



Chapter 3

Maryland's Species of Greatest Conservation Need

APPENDICES



Chapter 3 Appendices

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Appendix 3a. Maryland Species of Greatest Conservation Need
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Scientific Name	Common Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
Mammals					
<i>Balaenoptera borealis</i>	Sei whale	G3	SNA	E	E
<i>Balaenoptera musculus</i>	Blue whale	G3G4	SNA	E	E
<i>Balaenoptera physalus</i>	Fin whale	G3G4	SNA	E	E
<i>Condylura cristata parva</i>	Southeastern star-nosed mole	G5T4	SU		
<i>Cryptotis parva</i>	Least shrew	G5	S3S5		
<i>Eptesicus fuscus</i>	Big brown bat	G5	S5		
<i>Erethizon dorsatum</i>	North American porcupine	G5	S3S4		
<i>Eubalaena glacialis</i>	North Atlantic right whale	G1	SNA	E	E
<i>Glaucomys sabrinus fuscus</i>	Virginia northern flying squirrel	G5T2	SP		
<i>Lasionycteris noctivagans</i>	Silver-haired bat	G4	SUB**, SUN**		
<i>Lasiurus borealis</i>	Eastern red bat	G4	SUB**, SUN**		
<i>Lasiurus cinereus</i>	Hoary bat	G4	SUB**, SUN**		
<i>Lasiurus seminolus</i>	Seminole bat	G5	SUB**, SUN**		
<i>Lynx rufus</i>	Bobcat	G5	S3	I	
<i>Megaptera novaeangliae</i>	Humpback whale	G4	SNA	E	E
<i>Mesoplodon europaeus</i>	Gervais beaked whale	G3	SNR		
<i>Mesoplodon mirus</i>	True's beaked whale	G3	SNR		
<i>Microtus chrotorrhinus carolinensis</i>	Southern rock vole	G4T3	S1	E	
<i>Mustela nivalis</i>	Least weasel	G5	S2S3	I	
<i>Myotis austroriparius</i>	Southeastern myotis	G3G4	SU**		
<i>Myotis leibii</i>	Eastern small-footed myotis	G3G4	S1	E	
<i>Myotis lucifugus</i>	Little brown myotis	G3G4	S1**		
<i>Myotis septentrionalis</i>	Northern long-eared bat	G1G2	S1**	T	T
<i>Myotis sodalis</i>	Indiana myotis	G2	S1	E	E
<i>Neotoma magister</i>	Allegheny woodrat	G3G4	S1	E	
<i>Neovison vison</i>	American mink	G5	S4		
<i>Nycticeius humeralis</i>	Evening bat	G5	SUB**, SUN**		

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Scientific Name	Common Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
<i>Perimyotis subflavus</i>	Tricolored bat	G3G4	S1**		
<i>Physeter catodon</i>	Sperm whale	G3G4	SNA	E	E
<i>Reithrodontomys humulis</i>	Eastern harvest mouse	G5	SH	X	
<i>Sciurus niger cinereus</i>	Delmarva fox squirrel	G5T3	S1	I	
<i>Sorex dispar</i>	Long-tailed shrew	G4	S2	I	
<i>Sorex fumeus</i>	Smoky shrew	G5	S2S3	I	
<i>Sorex hoyi winnemana</i>	Southern pygmy shrew	G5T4	S2		
<i>Sorex longirostris</i>	Southeastern shrew	G5	S3S4		
<i>Sorex palustris punctulatus</i>	Southern water shrew	G5T3	S1	E	
<i>Spilogale putorius</i>	Eastern spotted skunk	G4	S1		
<i>Sylvilagus obscurus</i>	Appalachian cottontail	G4	S1	I	
<i>Synaptomys cooperi</i>	Southern bog lemming	G5	S3		
<i>Tursiops truncatus</i>	Bottlenose dolphin	G5	SNR		
<i>Ziphius cavirostris</i>	Cuvier's beaked whale	G4	SNR		



Bobcat caught on MD DNR trail camera (MD DNR)



Eastern red bat (Frode Jacobsen)

Birds					
<i>Accipiter gentilis</i>	Northern goshawk	G5	S1B, SAN	E*	
<i>Accipiter striatus</i>	Sharp-shinned hawk	G5	S2S3B,S4N		
<i>Actitis macularius</i>	Spotted sandpiper	G5	S3S4B		
<i>Aegolius acadicus</i>	Northern saw-whet owl	G5	S1B,S1N		
<i>Ammodramus caudacutus</i>	Saltmarsh sparrow	G4	S2B,S1N	I	
<i>Ammodramus henslowii</i>	Henslow's sparrow	G4	S2B	I	
<i>Ammodramus maritimus</i>	Seaside sparrow	G4	S4B,S2N		

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Scientific Name	Common Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
<i>Ammodramus nelsoni</i>	Nelson's sparrow	G5	S1N		
<i>Ammodramus savannarum</i>	Grasshopper sparrow	G5	S5B		
<i>Anas discors</i>	Blue-winged teal	G5	S2B,S3N		
<i>Anas rubripes</i>	American black duck	G5	S4B,S5N		
<i>Anas strepera</i>	Gadwall	G5	S2B,S4N		
<i>Antrostomus carolinensis</i>	Chuck-will's-widow	G5	S4B		
<i>Antrostomus vociferus</i>	Eastern whip-poor-will	G5	S3S4B		
<i>Aquila chrysaetos</i>	Golden eagle	G5	S2N		
<i>Ardea alba</i>	Great egret	G5	S3S4B		
<i>Ardea herodias</i>	Great blue heron	G5	S5B, S3S4N		
<i>Arenaria interpres</i>	Ruddy turnstone	G5	S2N		
<i>Asio flammeus</i>	Short-eared owl	G5	S1B, S2N	E	
<i>Asio otus</i>	Long-eared owl	G5	S1B, S1N		
<i>Aythya americana</i>	Redhead	G5	S3S4N		
<i>Aythya valisineria</i>	Canvasback	G5	S3S4N		
<i>Bartramia longicauda</i>	Upland sandpiper	G5	S1B	E	
<i>Bonasa umbellus</i>	Ruffed grouse	G5	S4		
<i>Botaurus lentiginosus</i>	American bittern	G4	S1B, SIN	T	
<i>Branta bernicla</i>	Brant	G5	S3N		
<i>Buteo platypterus</i>	Broad-winged hawk	G5	S3S4B		
<i>Calidris alba</i>	Sanderling	G5	S3N		
<i>Calidris alpina</i>	Dunlin	G5	S3N		
<i>Calidris canutus rufa</i>	Red knot	G4T2	SNA	T	T
<i>Calidris pusilla</i>	Semipalmated sandpiper	G5	SNA		
<i>Calonectris diomedea</i>	Cory's shearwater	G5	SNR		
<i>Cardellina canadensis</i>	Canada warbler	G5	S3B		
<i>Catharus bicknellii</i>	Bicknell's thrush	G4	SNA		
<i>Catharus fuscescens</i>	Veery	G5	S4B		
<i>Catharus ustulatus</i>	Swainson's thrush	G5	SHB	X	
<i>Certhia americana</i>	Brown creeper	G5	S3B,S4N		
<i>Chaetura pelagica</i>	Chimney swift	G5	S5B		
<i>Charadrius melodus</i>	Piping plover	G3	S1B	E	T
<i>Charadrius wilsonia</i>	Wilson's plover	G5	S1B	E	
<i>Chordeiles minor</i>	Common nighthawk	G5	S2S3B		
<i>Circus cyaneus</i>	Northern harrier	G5	S2B,S4N	I	
<i>Cistothorus palustris</i>	Marsh wren	G5	S4B,S2N		
<i>Cistothorus platensis</i>	Sedge wren	G5	S1B	E	
<i>Clangula hyemalis</i>	Long-tailed duck	G5	S4N		

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Scientific Name	Common Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
<i>Colinus virginianus</i>	Northern bobwhite	G5	S4		
<i>Contopus cooperi</i>	Olive-sided flycatcher	G4	SHB	X	
<i>Dolichonyx oryzivorus</i>	Bobolink	G5	S3S4B		
<i>Egretta caerulea</i>	Little blue heron	G5	S3B		
<i>Egretta thula</i>	Snowy egret	G5	S3B		
<i>Egretta tricolor</i>	Tricolored heron	G5	S3B		
<i>Empidonax alnorum</i>	Alder flycatcher	G5	S2B	I	
<i>Empidonax minimus</i>	Least flycatcher	G5	S3S4B		
<i>Empidonax traillii</i>	Willow flycatcher	G5	S4B		
<i>Empidonax virescens</i>	Acadian flycatcher	G5	S5B		
<i>Euphagus carolinus</i>	Rusty blackbird	G4	S2S3N		
<i>Falco peregrinus anatum</i>	American peregrine falcon	G4T4	S2	I	
<i>Falco sparverius</i>	American kestrel	G5	S4B,S3N		
<i>Gallinula galeata</i>	Common gallinule	G5	S2S3B	I	
<i>Gavia immer</i>	Common loon	G5	S4N		
<i>Gavia stellata</i>	Red-throated loon	G5	S3S4N		
<i>Gelochelidon nilotica</i>	Gull-billed tern	G5	S1B	E	
<i>Geothlypis formosa</i>	Kentucky warbler	G5	S4B		
<i>Geothlypis philadelphia</i>	Mourning warbler	G5	S1B	E	
<i>Haematopus palliatus</i>	American oystercatcher	G5	S3B,S2N		
<i>Haliaeetus leucocephalus</i>	Bald eagle	G5	S4		
<i>Helmitheros vermivorum</i>	Worm-eating warbler	G5	S4B		
<i>Hylocichla mustelina</i>	Wood thrush	G5	S5B		
<i>Icteria virens</i>	Yellow-breasted chat	G5	S5B		
<i>Ixobrychus exilis</i>	Least bittern	G5	S2S3B	I	
<i>Junco hyemalis</i>	Dark-eyed junco	G5	S3B,S5N		
<i>Lanius ludovicianus</i>	Loggerhead shrike	G4	S1B	E	
<i>Laterallus jamaicensis</i>	Black rail	G3G4	S1	E	
<i>Leucophaeus atricilla</i>	Laughing gull	G5	S1B,S2N		
<i>Limnodromus griseus</i>	Short-billed dowitcher	G5	SNA		
<i>Limnithlypis swainsonii</i>	Swainson's warbler	G4	S1B	E	
<i>Melanerpes erythrocephalus</i>	Red-headed woodpecker	G5	S4		
<i>Melanitta americana</i>	Black scoter	G5	S3N		
<i>Melanitta fusca</i>	White-winged scoter	G5	S2S3N		
<i>Melanitta perspicillata</i>	Surf scoter	G5	S4N		
<i>Melospiza georgiana nigrescens</i>	Coastal Plain swamp sparrow	G5T3	S2S3B,SUN	I	
<i>Mergus merganser</i>	Common merganser	G5	S2B,S3S4N		

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<i>Mniotilta varia</i>	Black-and-white warbler	G5	S4B		
<i>Morus bassanus</i>	Northern gannet	G5	S3N		
<i>Numenius phaeopus</i>	Whimbrel	G5	SNA		
<i>Nyctanassa violacea</i>	Yellow-crowned night-heron	G5	S3S4B		
<i>Nycticorax nycticorax</i>	Black-crowned night-heron	G5	S3B,S2N		
<i>Oceanodroma leucorhoa</i>	Leach's storm-petrel	G5	SNR		
<i>Oreothlypis ruficapilla</i>	Nashville warbler	G5	S1B	T	
<i>Oxyura jamaicensis</i>	Ruddy duck	G5	S3N		
<i>Parkesia motacilla</i>	Louisiana waterthrush	G5	S5B		
<i>Parkesia noveboracensis</i>	Northern waterthrush	G5	S2B	I	
<i>Passerculus sandwichensis</i>	Savannah sparrow	G5	S4B,S4N		
<i>Pelecanus occidentalis</i>	Brown pelican	G4	S1B		
<i>Phalaropus fulicarius</i>	Red phalarope	G5	SNA		
<i>Phalaropus lobatus</i>	Red-necked phalarope	G4G5	SNA		
<i>Picoides borealis</i>	Red-cockaded woodpecker	G3	SHB	X	E
<i>Piranga olivacea</i>	Scarlet tanager	G5	S5B		
<i>Plegadis falcinellus</i>	Glossy ibis	G5	S3B		
<i>Pluvialis squatarola</i>	Black-bellied plover	G5	S3N		
<i>Podiceps auritus</i>	Horned grebe	G5	S4N		
<i>Podilymbus podiceps</i>	Pied-billed grebe	G5	S2S3B,S3N		
<i>Poocetes gramineus</i>	Vesper sparrow	G5	S4B,S2N		
<i>Porzana carolina</i>	Sora	G5	S1B,S1N		
<i>Protonotaria citrea</i>	Prothonotary warbler	G5	S4B		
<i>Puffinus lherminieri</i>	Audubon's shearwater	G4G5	SNR		
<i>Quiscalus major</i>	Boat-tailed grackle	G5	S4B,S3N		
<i>Rallus elegans</i>	King rail	G4	S2B,S2N		
<i>Regulus satrapa</i>	Golden-crowned kinglet	G5	S3B,S4N		
<i>Riparia riparia</i>	Bank swallow	G5	S3B		
<i>Rissa tridactyla</i>	Black-legged kittiwake	G5	SNR		
<i>Rynchops niger</i>	Black skimmer	G5	S1B	E	
<i>Scolopax minor</i>	American woodcock	G5	S4B,S4N		
<i>Seiurus aurocapillus</i>	Ovenbird	G5	S5B		
<i>Setophaga americana</i>	Northern parula	G5	S5B		
<i>Setophaga caerulescens</i>	Black-throated blue warbler	G5	S3S4B		
<i>Setophaga cerulea</i>	Cerulean warbler	G4	S3B		
<i>Setophaga citrina</i>	Hooded warbler	G5	S4B		
<i>Setophaga discolor</i>	Prairie warbler	G5	S4B		

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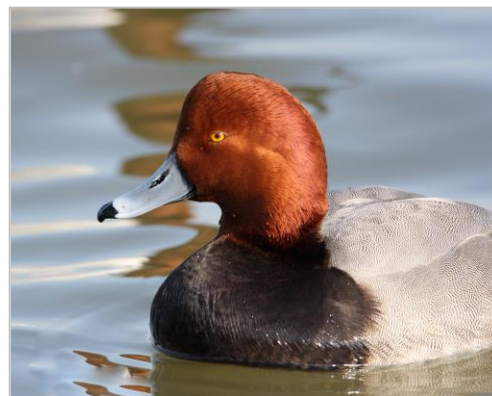
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Scientific Name	Common Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
<i>Setophaga fusca</i>	Blackburnian warbler	G5	S3B		
<i>Setophaga magnolia</i>	Magnolia warbler	G5	S3S4B		
<i>Setophaga ruticilla</i>	American redstart	G5	S4B		
<i>Setophaga virens</i>	Black-throated green warbler	G5	S4B		
<i>Setophaga virens waynei</i>	Wayne's black-throated green warbler	G5T3	SUB		
<i>Sitta canadensis</i>	Red-breasted nuthatch	G5	S3B,S3S4N		
<i>Sphyrapicus varius</i>	Yellow-bellied sapsucker	G5	S1B,S3S4N		
<i>Spinus pinus</i>	Pine siskin	G5	S2B,S1S3N		
<i>Spiza americana</i>	Dickcissel	G5	S3B		
<i>Sterna dougallii</i>	Roseate tern	G4	SXB,S1N	X	E
<i>Sterna forsteri</i>	Forster's tern	G5	S2B,S2N	I	
<i>Sterna hirundo</i>	Common tern	G5	S1B	E	
<i>Sternula antillarum</i>	Least tern	G4	S2B	T	
<i>Sturnella magna</i>	Eastern meadowlark	G5	S5B,S3N		
<i>Thalasseus maximus</i>	Royal tern	G5	S1B	E	
<i>Thalasseus sandvicensis</i>	Sandwich tern	G5	S1B		
<i>Tringa flavipes</i>	Lesser yellowlegs	G5	S1N		
<i>Tringa melanoleuca</i>	Greater yellowlegs	G5	S2S3N		
<i>Tringa semipalmata</i>	Willet	G5	S4B,S2N		
<i>Troglodytes hiemalis</i>	Winter wren	G5	S2B,S3N		
<i>Tyto alba</i>	Barn owl	G5	S2	I	
<i>Vermivora chrysoptera</i>	Golden-winged warbler	G4	S2B	I	
<i>Vermivora cyanoptera</i>	Blue-winged warbler	G5	S4B		
<i>Vireo flavifrons</i>	Yellow-throated vireo	G5	S4B		



American redstart (George Jett)



Redhead (George Jett)

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Reptiles					
<i>Apalone spinifera</i>	Eastern spiny softshell	G5	S1	I	
<i>Aspidozelis sexlineata</i>	Eastern six-lined racerunner	G5	S4		
<i>Caretta caretta</i>	Loggerhead seaturtle	G3	S1B,S1N	T	T
<i>Cemophora coccinea</i>	Northern scarletsnake	G5	S3		
<i>Chelonia mydas</i>	Green seaturtle	G3	SNA	T	T
<i>Clemmys guttata</i>	Spotted turtle	G5	S5**		
<i>Crotalus horridus</i>	Timber rattlesnake	G4	S3		
<i>Dermochelys coriacea</i>	Leatherback seaturtle	G2	SNA	E	E
<i>Eretmochelys imbricata</i>	Atlantic hawksbill seaturtle	G3	SNR	E	E
<i>Farancia erythrogramma</i>	Rainbow snake	G4	S1	E	
<i>Glyptemys insculpta</i>	Wood turtle	G3	S2S3**		
<i>Glyptemys muhlenbergii</i>	Bog turtle	G3	S2	T	T
<i>Graptemys geographica</i>	Northern map turtle	G5	S1	E*	
<i>Lampropeltis calligaster rhombomaculata</i>	Mole kingsnake	G5T5	S4		
<i>Lampropeltis getula</i>	Eastern kingsnake	G5	S5		
<i>Lampropeltis triangulum elapsoides X triangulum</i>	Coastal Plain milksnake	GNR	SNR		
<i>Lepidochelys kempii</i>	Kemp's ridley seaturtle	G1	S1N	E	E
<i>Malaclemys terrapin terrapin</i>	Northern diamond-backed terrapin	G4T4Q	S4		
<i>Nerodia erythrogaster</i>	Plain-bellied watersnake	G5	S2S3		
<i>Opheodrys vernalis</i>	Smooth greensnake	G5	S5**		
<i>Pantherophis guttatus</i>	Red cornsnake	G5	S4		
<i>Pituophis melanoleucus</i>	Northern pinesnake	G4	SH		
<i>Plestiodon anthracinus</i>	Northern coal skink	G5	S1	E	
<i>Terrapene carolina</i>	Eastern box turtle	G5	S5		
<i>Thamnophis sauritus</i>	Common ribbonsnake	G5	S5		
<i>Virginia valeriae pulchra</i>	Mountain earthsnake	G5T3T4	S1S2	E	

Amphibians					
<i>Ambystoma jeffersonianum</i>	Jefferson salamander	G4	S3		
<i>Ambystoma tigrinum</i>	Eastern tiger salamander	G5	S2	E	
<i>Aneides aeneus</i>	Green salamander	G3G4	S2	E	
<i>Cryptobranchus alleganiensis</i>	Eastern hellbender	G3G4	S1	E	
<i>Desmognathus monticola</i>	Seal salamander	G5	S5		

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Scientific Name	Common Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
<i>Eurycea cirrigera</i>	Southern two-lined salamander	G5	SNR		
<i>Gastrophryne carolinensis</i>	Eastern narrow-mouthed toad	G5	S1S2	E	
<i>Gyrinophilus porphyriticus</i>	Northern spring salamander	G5	S4		
<i>Hyla gratiosa</i>	Barking treefrog	G5	S1	E	
<i>Lithobates kauffeldi</i>	Atlantic Coast leopard frog	GNR	SNR		
<i>Lithobates virgatipes</i>	Carpenter frog	G4	S3		
<i>Necturus maculosus</i>	Common mudpuppy	G5	S1	X	
<i>Plethodon hoffmani</i>	Valley and Ridge salamander	G5	S5		
<i>Plethodon wehrlei</i>	Wehrle's salamander	G4	S2	I	
<i>Pseudacris brachyphona</i>	Mountain chorus frog	G5	S1	E	
<i>Pseudacris feriarum</i>	Upland chorus frog	G5	S5**		
<i>Pseudotriton montanus</i>	Eastern mud salamander	G5	S2		
<i>Pseudotriton ruber</i>	Northern red salamander	G5	S5		
<i>Siren sp. 1</i>	Undetermined siren	GNR	SNR		



Barking treefrog (John White)



Wehrle's salamander (Tom Feild)

Fishes

Scientific Name	Common Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
<i>Acantharchus pomotis</i>	Mud sunfish	G4G5	S2	I	
<i>Acipenser brevirostrum</i>	Shortnose sturgeon	G3	S1	E	E
<i>Acipenser oxyrinchus</i>	Atlantic sturgeon	G3	S1	E	E
<i>Alosa mediocris</i>	Hickory shad	G4	S3		
<i>Alosa sapidissima</i>	American shad	G5	S3		
<i>Amblyraja radiata</i>	Thorny skate	GNR	SNR		SC
<i>Ameiurus catus</i>	White catfish	G5	SU		
<i>Amia calva</i>	Bowfin	G5	S1		
<i>Catostomus catostomus</i>	Longnose sucker	G5	SH	X	

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<i>Centrarchus macropterus</i>	Flier	G5	S1S2	T	
<i>Cottus bairdi</i>	Mottled sculpin	G5	S3S4		
<i>Cottus sp 7</i>	Checkered sculpin	G4Q	S1S2		
<i>Dipturus laevis</i>	Barndoor skate	G3	SNR		
<i>Enneacanthus chaetodon</i>	Blackbanded sunfish	G3G4	S1	E	
<i>Enneacanthus obesus</i>	Banded sunfish	G5	S2		
<i>Etheostoma fusiforme</i>	Swamp darter	G5	S2	I	
<i>Etheostoma nigrum</i>	Johnny darter	G5	S3		
<i>Etheostoma sellare</i>	Maryland darter	GH	SH	E	E
<i>Etheostoma vitreum</i>	Glassy darter	G4G5	S1S2	T	
<i>Fundulus luciae</i>	Spotfin killifish	G4	S2		
<i>Lethenteron appendix</i>	American brook lamprey	G4	S1S2	T	
<i>Luxilus chrysocephalus</i>	Striped shiner	G5	S1S2	I	
<i>Malacoraja senta</i>	Smooth skate	GNR	SNR		
<i>Margariscus margarita</i>	Pearl dace	G4	S1S2	T	
<i>Notropis amoenus</i>	Comely shiner	G5	S3		
<i>Notropis bifrenatus</i>	Bridle shiner	G3	SH	X	
<i>Notropis chalybaeus</i>	Ironcolor shiner	G4	S1	E	
<i>Noturus flavus</i>	Stonecat	G5	S1	E	
<i>Percina bimaculata</i>	Chesapeake logperch	G1G2	S1S2	T	
<i>Percina notogramma</i>	Stripeback darter	G4	S1	E	
<i>Salvelinus fontinalis</i>	Brook trout	G5	S3S4		



Chesapeake logperch (Matt Tillett)



American shad (Robert Aguilar)

Maryland SGCN Insects

Beetles

<i>Apion porosicolle</i>	A weevil		GNR	SNR	
<i>Cicindela abdominalis</i>	Eastern pinebarrens tiger beetle	G3G4	S1	E	
<i>Cicindela ancocisconensis</i>	Appalachian tiger beetle	G3	S1	E	

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<i>Cicindela dorsalis dorsalis</i>	Northeastern beach tiger beetle	G3G4T2	S1	E	T
<i>Cicindela dorsalis media</i>	White tiger beetle	G3G4T3T4	S1	E	
<i>Cicindela lepida</i>	Ghost tiger beetle	G3G4	S1	E	
<i>Cicindela patruela</i>	Northern barrens tiger beetle	G3	S1	E	
<i>Cicindela puritana</i>	Puritan tiger beetle	G1G2	S1S2	E	T
<i>Cicindela purpurea</i>	Cow path tiger beetle	G5	S3		
<i>Cicindela scutellaris</i>	Festive tiger beetle	G5	S3		
<i>Cicindela splendida</i>	Splendid tiger beetle	G5	S1		
<i>Cicindela unipunctata</i>	One-spotted tiger beetle	G4G5	S3		
<i>Dryobius sexnotatus</i>	Six-banded longhorn beetle	GNR	S1	E	
<i>Helops cisteloides</i>	A tenebrionid beetle	GNR	S1		
<i>Hydrochus spangleri</i>	Seth forest water scavenger beetle	G1	S1	E	
<i>Hylesinus aculeatus</i>	Eastern ash bark beetle	GNR	SNR		
<i>Hylesinus criddlei</i>	Northern ash bark beetle	GNR	SNR		
<i>Hylesinus fasciatus</i>	White-banded ash bark beetle	GNR	SNR		
<i>Photuris bethaniensis</i>	Bethany Beach firefly	G1Q	SP		
<i>Pseudanophthalmus sp 15</i>	A cave beetle	G1	S1		
<i>Schoenicus puberulus</i>	A tenebrionid beetle	GNR	S1		
<i>Thysanocnemis bischoffi</i>	Ash seed weevil	GNR	SNR		
Bees, Wasps and Ants					
<i>Andrena braccata</i>	A mining bee	GNR	SU		
<i>Andrena fulvipennis</i>	A mining bee	GNR	SU		
<i>Bombus affinis</i>	Rusty-patch bumble bee	G1	SNR		
<i>Bombus ashtoni</i>	Ashton's cuckoo bumble bee	GH	SNR		
<i>Bombus auricomus</i>	Black and gold bumble bee	G4G5	SU		
<i>Bombus citrinus</i>	Lemon cuckoo bumble bee	G4G5	SNR		
<i>Bombus pensylvanicus</i>	American bumble bee	G3G4	SNR		
<i>Bombus sandersoni</i>	Sanderson's bumble bee	G4G5	S3		
<i>Bombus terricola</i>	Yellowbanded bumble bee	G2G4	SNR		
<i>Bombus vagans</i>	Half-black bumble bee	G4	S3		
<i>Bombus variabilis</i>	Variable cuckoo bumble bee	GU	SH		

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<i>Camponotus impressus</i>	A formicine ant	GNR	SNR		
<i>Colletes aestivalis</i>	A cellophane bee	GNR	SH		
<i>Dieunomia heteropoda</i>	A sweat bee	GNR	SU		
<i>Dieunomia nevadensis</i>	A sweat bee	GNR	SU		
<i>Dolichoderus taschenbergi</i>	A dolichoderine ant	GNR	SNR		
<i>Epeoloides pilosula</i>	Macropis cuckoo bee	G1	SH		
<i>Formica querquetulana</i>	Oak-grove ant	GNR	SNR		
<i>Lasioglossum arantium</i>	A hairy-tongue bee	GNR	S2S3		
<i>Lasioglossum georgeickworti</i>	A hairy-tongue bee	GNR	SNR		
<i>Lasioglossum marinum</i>	A hairy-tongue bee	GNR	SU		
<i>Lasioglossum nymphale</i>	A hairy-tongue bee	GNR	S2S3		
<i>Lasioglossum rahleighense</i>	A hairy-tongue bee	GNR	SU		
<i>Leptothorax muscorum</i>	A myrmicine ant	GNR	SNR		
<i>Macropis ciliata</i>	An oil-collecting bee	GNR	S1		
<i>Macropis patellata</i>	An oil-collecting bee	GNR	SH		
<i>Myrmica pinetorum</i>	A myrmicine ant	GNR	SNR		
<i>Nomada rubicunda</i>	A cuckoo bee	GNR	S1S3		
<i>Nomia manei</i>	Pearly-banded bee	GNR	S1S3		
<i>Osmia chalybea</i>	A mason bee	G4	S1S3		
<i>Protandrena abdominalis</i>	A mining bee	GNR	SU		
<i>Temnothorax pergandei</i>	A temnothorax ant	GNR	SNR		
<i>Temnothorax texanus</i>	Texas temnothorax ant	GNR	SNR		
<i>Tethida barda</i>	Blackheaded ash sawfly	GNR	SNR		
<i>Tomostethus multicinctus</i>	Brownheaded ash sawfly	GNR	SNR		
<i>Trachymyrmex septentrionalis</i>	A fungus-growing ant	GNR	SNR		
Butterflies and Moths					
<i>Amblyscirtes hegon</i>	Pepper and salt skipper	G5	S2	I	
<i>Amolita roseola</i>	A noctuid moth	G5	SNR		
<i>Apodrepanulatrix liberaria</i>	A geometrid moth	G3	SU		
<i>Atlides halesus</i>	Great purple hairstreak	G4G5	S1S2	T	
<i>Atrytone logan</i>	Delaware skipper	G5	S3		
<i>Atrytonopsis hianna</i>	Dusted Skipper	G4G5	S4**		
<i>Bellura gortynoides</i>	White-tailed diver moth	G4	SNR		
<i>Boloria selene</i>	Silver-bordered fritillary	G5	S3		
<i>Calephelis borealis</i>	Northern metalmark	G3G4	S2	T	
<i>Callophrys polios</i>	Hoary elfin	G5	S1	E	

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<i>Callophrys irus</i>	Frosted elfin	G3	S1	E	
<i>Capis curvata</i>	Curved halter moth	G4	S1S2		
<i>Catocala marmorata</i>	Marbled underwing	G3G4	SH		
<i>Catocala pretiosa pretiosa</i>	Precious underwing	G4T2	SH		
<i>Celastrina neglectamajor</i>	Appalachian blue	G4	S3S4		
<i>Chloropteryx tepperaria</i>	Angle winged emerald moth	G4	SNR		
<i>Chlosyne harrisii</i>	Harris's checkerspot	G4	S2	T	
<i>Chytonix sensilis</i>	A noctuid moth	G4	SNR		
<i>Cicinnus melsheimeri</i>	Melsheimer's sack-bearer	G4	SNR		
<i>Colias interior</i>	Pink-edged sulphur	G5	S1		
<i>Copivaleria grotei</i>	Grote's sallow	G5	SNR		
<i>Cucullia speyeri</i>	Speyer's hooded owlet	G4	SNR		
<i>Cyclophora nanaria</i>	A geometrid moth	G5	SU		
<i>Cyenia inopinatus</i>	Unexpected cyenia	G4	SNR		
<i>Danaus plexippus</i>	Monarch	G4	S5		
<i>Darapsa versicolor</i>	Hydrangea sphinx	G4	SNR		
<i>Dasychira atrivenosa</i>	A lymantriid moth	G4	SU		
<i>Ectoedemia castaneae</i>	American chestnut nepticulid moth	GH	SH		
<i>Ectoedemia phleophaga</i>	Phleophagan chestnut nepticulid moth	GH	SH		
<i>Elaphria georgei</i>	George's midget moth	G4	SU		
<i>Erastria coloraria</i>	Broad-lined catopyrrha	G3G4	SH		
<i>Erora laeta</i>	Early hairstreak	GU	S1	E	
<i>Erynnis martialis</i>	Mottled duskywing	G3	S1	E	
<i>Eubaphe meridiana</i>	Little beggar	G4	SNR		
<i>Euchlaena milnei</i>	A geometrid moth	G2G4	SNR		
<i>Euchloe olympia</i>	Olympia marble	G4G5	S2	I	
<i>Eucloptocnemis fimbriaris</i>	Fringed dart	G4	SNR		
<i>Euphydryas phaeton</i>	Baltimore checkerspot	G4	S2		
<i>Euphyes bimacula</i>	Two-spotted skipper	G4	S1	E	
<i>Euphyes conspicua</i>	Black dash	G4	S4		
<i>Euphyes dion</i>	Dion skipper	G4	S3		
<i>Euxoa immixta</i>	Mixed dart	G4	SNR		
<i>Euxoa violaris</i>	Violet dart	G4	SNR		
<i>Glaucopsyche lygdamus</i>	Silvery blue	G5	S2	I	
<i>Grammia doris</i>	Doris' tiger moth	G4	SNR		
<i>Grammia phyllira</i>	Phyllira tiger moth	G4	SNR		
<i>Hadena ectypa</i>	A noctuid moth	G3G4	SU		

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<i>Hemaris gracilis</i>	Graceful clearwing	G3G4	SNR		
<i>Hemipachnobia subporphyrea</i>	Venus flytrap cutworm	G1	SNR		
<i>Hermeuptychia sosybius</i>	Carolina satyr	G5	S1S3		
<i>Hesperia leonardus</i>	Leonard's skipper	G4	S2		
<i>Hesperia metea</i>	Cobweb skipper	G4	S3		
<i>Hesperia sassacus</i>	Indian skipper	G4G5	S3		
<i>Isoparce cupressi</i>	Cypress sphinx moth	G4	S1S2		
<i>Lemmeria digitalis</i>	Fingered lemmeria	G4	SNR		
<i>Lithophane lemmeri</i>	Lemmer's noctuid moth	G3G4	SNR		
<i>Lycaena epixanthe</i>	Bog copper	G4G5	S1	E	
<i>Lycaena hyllus</i>	Bronze copper	G5	S4		
<i>Lytrosis sinuosa</i>	Sinuuous lytrosis	G4	S1S3		
<i>Macrochilo louisiana</i>	Louisiana owlet moth	G4	SNR		
<i>Melanapamea mixta</i>	A noctuid moth	GU	S1		
<i>Meropleon ambifusca</i>	Newman's brocade	G3G4	SNR		
<i>Meropleon cosmion</i>	A noctuid moth	G4	SNR		
<i>Meropleon titan</i>	A noctuid moth	G2G4	S2S4		
<i>Mitoura hesseli</i>	Hessel's hairstreak	G3G4	SH	X	
<i>Nemoria tuscarora</i>	Tuscarora emerald	GU	SNR		
<i>Nymphalis vaualbum</i>	Compton tortoiseshell	G5	S1B	E	
<i>Pachypolia atricornis</i>	Three-horned moth	G3G4	SH		
<i>Palpita magniferalis</i>	Ash pyralid	GNR	SNR		
<i>Papaipema appassioanata</i>	Pitcher plant borer moth	G4	SNR		
<i>Papaipema araliae</i>	Aralia shoot borer moth	G3G4	SNR		
<i>Papaipema duovata</i>	Seaside goldenrod stem borer	G4	SU		
<i>Papaipema polymniae</i>	Polymnia stalk borer moth	G4	SH		
<i>Papaipema stenocelis</i>	Chain fern borer moth	G4	SNR		
<i>Papilio cresphontes</i>	Giant swallowtail	G5	S2	I	
<i>Papilio palamedes</i>	Palamedes swallowtail	G4	S1	E	
<i>Parapamea buffaloensis</i>	Buffalo moth	G4	SNR		
<i>Phyciodes cocyta</i>	Northern crescent	G5	SP		
<i>Pieris virginensis</i>	West Virginia white	G3	S1S2		
<i>Plagodis kuetzingi</i>	Purple plagodis	G5	SNR		
<i>Poanes massasoit chermocki</i>	Chermock's mulberry wing	G4T1	S1	E	
<i>Poanes massasoit massasoit</i>	Mulberry wing	G4	S4		
<i>Polites mystic</i>	Long dash	G5	S3		

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<i>Polygonia progne</i>	Gray comma	G4G5	S3		
<i>Problema bulenta</i>	Rare skipper	G2G3	S1	T	
<i>Psectraglaea carnosus</i>	Pink sallow	G3	SNR		
<i>Ptichodis bistrigata</i>	Southern ptichodis moth	G3	SNR		
<i>Pyrgus wyandot</i>	Southern grizzled skipper	G1G2Q	S1	E	
<i>Pyrrhia aurantiago</i>	Aureolaria seed borer moth	G3G4	SNR		
<i>Satyrium caryaevorum</i>	Hickory hairstreak	G4	S1	E	
<i>Satyrium edwardsii</i>	Edwards' hairstreak	G4	S1	E	
<i>Satyrium favonius ontario</i>	Northern hairstreak	G4T4	S1S2	E	
<i>Satyrium kingi</i>	King's hairstreak	G3G4	S1	E	
<i>Schizura apicalis</i>	Plain schizura	G3G4	SNR		
<i>Speyeria atlantis</i>	Atlantis fritillary	G5	S1	T	
<i>Sphinx franckii</i>	Franck's sphinx	G4	S1S2		
<i>Undulambia striatalis</i>	A crambid snout moth	GNR	SNR		
<i>Zale curema</i>	A noctuid moth	G4	S1		
<i>Zale lunifera</i>	Bold-based zale moth	G3G4	SNR		
<i>Zale submediana</i>	A noctuid moth	G4	S1S3		
<i>Zanclognatha martha</i>	Pine barrens zanclognatha	G4	S1S3		
Dragonflies and Damselflies					
<i>Aeshna canadensis</i>	Canada darner	G5	S2		
<i>Aeshna tuberculifera</i>	Black-tipped darner	G4	S2		
<i>Aeshna verticalis</i>	Green-striped darner	G5	S2		
<i>Anax longipes</i>	Comet darner	G5	S3		
<i>Argia bipunctulata</i>	Seepage dancer	G4	S3		
<i>Boyeria grafiana</i>	Ocellated darner	G5	S1		
<i>Brachymesia gravida</i>	Four-spotted pennant	G5	S3S4		
<i>Calopteryx aequabilis</i>	River jewelwing	G5	SR		
<i>Calopteryx amata</i>	Superb jewelwing	G4	S1S2	T	
<i>Calopteryx angustipennis</i>	Appalachian jewelwing	G4	S1S2		
<i>Calopteryx dimidiata</i>	Sparkling jewelwing	G5	S2		
<i>Celithemis bertha</i>	Red-veined pennant	G5	S1		
<i>Celithemis fasciata</i>	Banded pennant	G5	S3		
<i>Celithemis martha</i>	Martha's pennant	G4	S1		
<i>Celithemis ornata</i>	Faded pennant	G5	SH		
<i>Celithemis verna</i>	Double-ringed pennant	G5	S2		
<i>Cordulegaster bilineata</i>	Brown spiketail	G5	S3		
<i>Cordulegaster diastatops</i>	Delta-spotted spiketail	G5	S3S4		

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<i>Cordulegaster erronea</i>	Tiger spiketail	G4	S3		
<i>Cordulegaster obliqua</i>	Arrowhead spiketail	G4	S2		
<i>Cordulegaster obliqua fasciata</i>	Banded spiketail	G4T3Q	S1		
<i>Cordulia shurtleffii</i>	American emerald	G5	S3		
<i>Dorocordulia lepida</i>	Petite emerald	G5	SH		
<i>Enallagma annexum</i>	Northern bluet	G5	S1		
<i>Enallagma antennatum</i>	Rainbow bluet	G5	S1		
<i>Enallagma carunculatum</i>	Tule bluet	G5	S1		
<i>Enallagma daeckii</i>	Attenuated bluet	G4	S3		
<i>Enallagma doubledayi</i>	Atlantic bluet	G5	S1		
<i>Enallagma dubium</i>	Burgundy bluet	G5	S1		
<i>Enallagma pallidum</i>	Pale bluet	G4	S1		
<i>Enallagma weewa</i>	Blackwater bluet	G5	S2		
<i>Epitheca canis</i>	Beaverpond baskettail	G5	S3		
<i>Epitheca costalis</i>	Stripe-winged baskettail	G5	S1		
<i>Epitheca semiaquea</i>	Mantled baskettail	G5	SH		
<i>Epitheca spinosa</i>	Robust baskettail	G4	S1S2		
<i>Erpetogomphus designatus</i>	Eastern ringtail	G5	S2		
<i>Erythrodiplax minuscula</i>	Little blue dragonlet	G5	S1		
<i>Gomphaeschna antilope</i>	Taper-tailed darner	G4	S2		
<i>Gomphaeschna furcillata</i>	Harlequin darner	G5	S3S4		
<i>Gomphus abbreviatus</i>	Spine-crowned clubtail	G4	S1		
<i>Gomphus adelphus</i>	Mustached clubtail	G4	S1		
<i>Gomphus descriptus</i>	Harpoon clubtail	G4	S1S2		
<i>Gomphus fraternus</i>	Midland clubtail	G5	S2		
<i>Gomphus lineatifrons</i>	Splendid clubtail	G4	S1		
<i>Gomphus parvidens</i>	Piedmont clubtail	G4	SH	X	
<i>Gomphus quadricolor</i>	Rapids clubtail	G3G4	S2	I	
<i>Gomphus rogersi</i>	Sable clubtail	G4	S2	I	
<i>Gomphus spicatus</i>	Dusky clubtail	G5	S1		
<i>Gomphus ventricosus</i>	Skillet clubtail	G3	SH	X	
<i>Gomphus viridifrons</i>	Green-faced clubtail	G3G4	S1		
<i>Helocordulia selysii</i>	Selys' sundragon	G4	S2	T	
<i>Helocordulia uhleri</i>	Uhler's sundragon	G5	S3		
<i>Hetaerina titia</i>	Smoky rubyspot	G5	SH		
<i>Ischnura prognata</i>	Furtive forktail	G4	S1		
<i>Ladona exusta</i>	White corporal	G4	S1	E	
<i>Ladona julia</i>	Chalk-fronted skimmer	G5	S3		

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<i>Lanthus parvulus</i>	Northern pygmy clubtail	G4	S2		
<i>Lanthus vernalis</i>	Southern pygmy clubtail	G4	S2		
<i>Lestes congener</i>	Spotted spreadwing	G5	S3		
<i>Lestes eurinus</i>	Amber-winged spreadwing	G4	S3		
<i>Lestes forcipatus</i>	Sweetflag spreadwing	G5	S3		
<i>Leucorrhinia frigida</i>	Frosted whiteface	G5	S1		
<i>Leucorrhinia glacialis</i>	Crimson-ringed whiteface	G5	S1		
<i>Leucorrhinia hudsonica</i>	Hudsonian whiteface	G5	S1		
<i>Leucorrhinia intacta</i>	Dot-tailed whiteface	G5	S3		
<i>Libellula auripennis</i>	Golden-winged skimmer	G5	S3		
<i>Libellula axilena</i>	Bar-winged skimmer	G5	S3		
<i>Libellula flavida</i>	Yellow-sided skimmer	G5	S2S3		
<i>Macromia alleghaniensis</i>	Allegheny river cruiser	G4	S2		
<i>Macromia taeniolata</i>	Royal river cruiser	G5	S3		
<i>Nannothemis bella</i>	Elfin skimmer	G4	S1	E	
<i>Nehalennia gracilis</i>	Sphagnum sprite	G5	S2		
<i>Nehalennia integricollis</i>	Southern sprite	G5	S1S2		
<i>Neurocordulia yamaskanensis</i>	Stygian shadowdragon	G5	S3		
<i>Ophiogomphus howei</i>	Pygmy snaketail	G3	S1		
<i>Ophiogomphus incurvatus incurvatus</i>	Appalachian snaketail	G3T2T3	S1		
<i>Ophiogomphus mainensis fastigiatus</i>	Maine snaketail	G4TU	S1		
<i>Ophiogomphus rupinsulensis</i>	Rusty snaketail	G5	S2		
<i>Ophiogomphus sp 1</i>	Chesapeake snaketail	G1	S1		
<i>Progomphus obscurus</i>	Common sanddragon	G5	S3		
<i>Rhionaeschna mutata</i>	Spring blue darner	G4	S1	E	
<i>Somatochlora elongata</i>	Ski-tailed emerald	G5	S2		
<i>Somatochlora filosa</i>	Fine-lined emerald	G5	S2		
<i>Somatochlora georgiana</i>	Coppery emerald	G3G4	S1		
<i>Somatochlora linearis</i>	Mocha emerald	G5	S3S4		
<i>Somatochlora provocans</i>	Treetop emerald	G4	S1	E	
<i>Somatochlora walshii</i>	Brush-tipped emerald	G5	S1		
<i>Stylurus amnicola</i>	Riverine clubtail	G4	SH	X	
<i>Stylurus laurae</i>	Laura's clubtail	G4	S2S3		
<i>Stylurus scudderi</i>	Zebra clubtail	G4	S1		
<i>Sympetrum obtrusum</i>	White-faced meadowhawk	G5	S3		
<i>Tachopteryx thoreyi</i>	Gray petaltail	G4	S3		
<i>Telebasis byersi</i>	Duckweed firetail	G5	S1		

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Scientific Name	Common Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
Stoneflies, Mayflies and Caddisflies					
<i>Alloperla aracoma</i>	Aracoma sallfly	G3	SNR		
<i>Alloperla biserrata</i>	Dusky sallfly	G3	SNR		
<i>Ceraclea spongillovorax</i>	A caddisfly	G3G4	SNR		
<i>Ceraclea uvalo</i>	A caddisfly	G2G4	SNR		
<i>Cernotina pallida</i>	A caddisfly	G3G4	SNR		
<i>Cheumatopsyche parentum</i>	A caddisfly	G3	SNR		
<i>Hydropsyche brunneipennis</i>	A Scalaris trichopteran	G3G4	S3		
<i>Hydropsyche hoffmani</i>	A caddisfly	G3G4	SNR		
<i>Megaleuctra flinti</i>	Shenandoah needlefly	G2	SNR		
<i>Proptila georgiana</i>	A caddisfly	G3G4	SNR		
<i>Siphloplecton costalense</i>	Speith's great speckled olive mayfly	G2G4	SNR		
<i>Sweltsa palearata</i>	Shenandoah sallfly	G2G3	SNR		
<i>Sweltsa pocahontas</i>	Pocahontas sallfly	G2	SNR		
<i>Utaperla gaspesiana</i>	Gaspe sallfly	G3	SNR		
Other Insects					
<i>Arrhopalites sp 1</i>	Crabtree cave springtail	GNR	SU		
<i>Continaria canadensis</i>	Ash midrib gall midge	GNR	SNR		
<i>Dasineura pellex</i>	Ash bullet gall midge	GNR	SNR		
<i>Limotettix minuendus</i>	Eastern sedge barrens leafhopper	G1	S1	E	
<i>Tropidosteptes amoenus</i>	Ash plant bug	GNR	SNR		
<i>Wyeomyia smithii</i>	Pitcher-plant mosquito	G5	S2		



Festive tiger beetle (Steve Collins)



Bog copper (Bill Hubick)

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Scientific Name	Common Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
Maryland SGCN Other Invertebrates					
Crustaceans and Allies					
<i>Acanthocyclops columbiensis</i>	A copepod	G1	SNR		
<i>Aceria chondriphora</i>	Ashleaf gall mite	GNR	SNR		
<i>Aceria fraxiniflora</i>	Ash flower gall mite	GNR	SNR		
<i>Aceria fraxinivorus</i>	Ash key gall mite	GNR	SNR		
<i>Caecidotea alleghenyensis</i>	Allegheny spring isopod	GNR	S1	E	
<i>Caecidotea franzi</i>	Franz's cave isopod	G2G4	S1	E	
<i>Caecidotea holsingeri</i>	Holsinger's cave isopod	G5	S1	E	
<i>Caecidotea mausi</i>	Maus' cave isopod	G2	S1	E	
<i>Caecidotea nordeni</i>	Norden's groundwater isopod	GH	SH	X	
<i>Caecidotea pricei</i>	Price's cave isopod	G5	S3		
<i>Caecidotea vandeli</i>	Vandel's cave isopod	G3G4	S1	E	
<i>Cambarus acuminatus</i>	Acuminate crayfish	G4Q	S2	I	
<i>Cambarus carinirostris</i>	Rock crawfish	G5	SNR		
<i>Crangonyx dearolfi</i>	Pennsylvania cave crangonyctid	G2	S1	E	
<i>Crangonyx stagnicolous</i>	An amphipod	G2	SNR		
<i>Donnaldsoncythere donnaldsonensis</i>	An ostracod	G3	SNR		
<i>Fallicambarus fodiens</i>	Digger crayfish	G5	SNR		
<i>Limulus polyphemus</i>	Horseshoe crab	G5	SNR		
<i>Orconectes obscurus</i>	Allegheny crayfish	G5	S3		
<i>Oreonetides sp 1</i>	Snivelys cave spider	GNR	SU		
<i>Porhomma cavernicola</i>	Appalachian cave spider	G5	S2		
<i>Stygobromus allegheniensis</i>	Allegheny cave amphipod	G5	S2S3	I	
<i>Stygobromus amicus</i>	Friendly cave amphipod	G1	S1	E	
<i>Stygobromus biggersi</i>	Biggers' cave amphipod	G2G4	S1	E	
<i>Stygobromus caecilius</i>	Cecil groundwater amphipod	G1	S1	E	
<i>Stygobromus emarginatus</i>	Greenbrier cave amphipod	G3	S1	E	
<i>Stygobromus felleri</i>	Feller's groundwater amphipod	G1	S1	E	
<i>Stygobromus foliatus</i>	Rappahannock spring amphipod	G2	S1	E	
<i>Stygobromus franzi</i>	Franz's cave amphipod	G3G4	S2S3	I	
<i>Stygobromus gracilipes</i>	Shenandoah Valley cave amphipod	G3G4	S1	E	

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<i>Stygobromus indentatus</i>	Tidewater amphipod	G3	S1		
<i>Stygobromus kenki</i>	Rock Creek groundwater amphipod	G2	S1	E	
<i>Stygobromus paxillus</i>	Prettyboy groundwater amphipod	G1	S1	E	
<i>Stygobromus pizzinii</i>	Pizzini's amphipod	G3G4	S1		
<i>Stygobromus sextarius</i>	Capital Area groundwater amphipod	G1	S1	E	
<i>Stygobromus sp 14</i>	Roundtop amphipod	GNR	S1		
<i>Stygobromus sp 5</i>	Barrelville amphipod	GNR	S1		
<i>Stygobromus sp 6</i>	Devils Hole cave amphipod	GNR	S1		
<i>Stygobromus tenuis potomacus</i>	Potomac amphipod	G4T4	S3		
<i>Stygobromus tenuis tenuis</i>	Tenuis amphipod	G4T4	SU		
Snails					
<i>Catinella hubrichti</i>	Snowhill ambersnail	G3	SNR		
<i>Discus catskillensis</i>	Angular disc	G5	S1		
<i>Fontigens bottimeri</i>	Appalachian springsnail	G2G3	S2		
<i>Fontigens orolibas</i>	Blue Ridge springsnail	G3	S1	E	
<i>Glyphyalinia picea</i>	Rust glyph	G3	SNR		
<i>Glyphyalinia raderi</i>	Maryland glyph	G2	SH	X	
<i>Hendersonia occulta</i>	Cherrystone drop	G4	S2	I	
<i>Oxyloma effusum</i>	Coastal-plain ambersnail	G3	SNR		
<i>Oxyloma subeffusum</i>	Chesapeake ambersnail	G3	SNR		
<i>Paravitrea pontis</i>	Natural Bridge supercoil	G3	SNR		
<i>Stenotrema simile</i>	Bear creek slitmouth	G2	SU		
<i>Triodopsis picea</i>	Spruce knob threetooth	G3	S1		
<i>Vertigo ventricosa</i>	Cylindrically-ornate wood snail	G5	SU		
<i>Webbhelix multilineata</i>	Striped whitelip	G5	S1		
Freshwater Mussels					
<i>Alasmidonta heterodon</i>	Dwarf wedgemussel	G1G2	S1	E	E
<i>Alasmidonta undulata</i>	Triangle floater	G4	S1	E	
<i>Alasmidonta varicosa</i>	Brook floater	G3	S1	E	
<i>Anodonta implicata</i>	Alewife floater	G5	S3		
<i>Elliptio fisheriana</i>	Northern lance	G4	S3		
<i>Elliptio lanceolata</i>	Yellow lance	G2G3	SU		
<i>Elliptio producta</i>	Atlantic spike	G3Q	S2	I	
<i>Lampsilis cariosa</i>	Yellow lampmussel	G3G4	SU		
<i>Lampsilis radiata</i>	Eastern lampmussel	G5	SU		

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<i>Lasmigona subviridis</i>	Green floater	G3	S1	E	
<i>Leptodea ochracea</i>	Tidewater mucket	G3G4	S1S2		
<i>Ligumia nasuta</i>	Eastern pondmussel	G4	S1S2		
<i>Strophitus undulatus</i>	Creeper	G5	S2	I	
<i>Utterbackia imbecillis</i>	Paper pondshell	G5	S3		
Flatworms					
<i>Paraplanaria dactyligera</i>	A planarian	GNR	S2		
<i>Phagocata dissimilis sp. nov.</i>	A planarian	GNR	SNR		
<i>Phagocata projecta sp. nov.</i>	A planarian	GNR	SNR		
<i>Phagocata virilis</i>	A planarian	GNR	S1		
<i>Procotyla typhlops</i>	A planarian	G1G2	S1	E	
<i>Sphalloplana buchanani</i>	A planarian	G1G2	SNR		
<i>Sphalloplana cava sp. nov.</i>	A planarian	GNR	SNR		
<i>Sphalloplana hoffmasteri</i>	Hoffmaster's cave planarian	G3G4	S1	E	
<i>Sphalloplana pricei</i>	A planarian	G2G3	SNR		
<i>Sphalloplana sp 1</i>	A planarian	GNR	S1S2		



Atlantic spike (Matt Ashton)



Triangle floater (Matt Ashton)

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Appendix 3b. Maryland Species of Greatest Conservation Need
List of Species and Conservation & Legal Status Information, by common name

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Common Name	Scientific Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
Mammals					
Allegheny woodrat	<i>Neotoma magister</i>	G3G4	S1	E	
American mink	<i>Neovison vison</i>	G5	S4		
Appalachian cottontail	<i>Sylvilagus obscurus</i>	G4	S1	I	
Big brown bat	<i>Eptesicus fuscus</i>	G5	S5		
Blue whale	<i>Balaenoptera musculus</i>	G3G4	SNA	E	E
Bobcat	<i>Lynx rufus</i>	G5	S3	I	
Bottlenose dolphin	<i>Tursiops truncatus</i>	G5	SNR		
Cuvier's beaked whale	<i>Ziphius cavirostris</i>	G4	SNR		
Delmarva fox squirrel	<i>Sciurus niger cinereus</i>	G5T3	S1	I	
Eastern harvest mouse	<i>Reithrodontomys humulis</i>	G5	SH	X	
Eastern red bat	<i>Lasiurus borealis</i>	G4	SUB**, SUN**		
Eastern small-footed myotis	<i>Myotis leibii</i>	G3G4	S1	E	
Eastern spotted skunk	<i>Spilogale putorius</i>	G4	S1		
Evening bat	<i>Nycticeius humeralis</i>	G5	SUB**, SUN**		
Fin whale	<i>Balaenoptera physalus</i>	G3G4	SNA	E	E
Gervais beaked whale	<i>Mesoplodon europaeus</i>	G3	SNR		
Hoary bat	<i>Lasiurus cinereus</i>	G4	SUB**, SUN**		
Humpback whale	<i>Megaptera novaeangliae</i>	G4	SNA	E	E
Indiana myotis	<i>Myotis sodalis</i>	G2	S1	E	E
Least shrew	<i>Cryptotis parva</i>	G5	S3S5		
Least weasel	<i>Mustela nivalis</i>	G5	S2S3	I	
Little brown myotis	<i>Myotis lucifugus</i>	G3G4	S1**		
Long-tailed shrew	<i>Sorex dispar</i>	G4	S2	I	
North American porcupine	<i>Erethizon dorsatum</i>	G5	S3S4		
North Atlantic right whale	<i>Eubalaena glacialis</i>	G1	SNA	E	E
Northern long-eared bat	<i>Myotis septentrionalis</i>	G1G2	S1**	T	T
Sei whale	<i>Balaenoptera borealis</i>	G3	SNA	E	E
Seminole bat	<i>Lasiurus seminolus</i>	G5	SUB**, SUN**		
Silver-haired bat	<i>Lasionycteris noctivagans</i>	G4	SUB**, SUN**		

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Common Name	Scientific Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
Smoky shrew	<i>Sorex fumeus</i>	G5	S2S3	I	
Southeastern myotis	<i>Myotis austroriparius</i>	G3G4	SU**		
Southeastern shrew	<i>Sorex longirostris</i>	G5	S3S4		
Southeastern star-nosed mole	<i>Condylura cristata parva</i>	G5T4	SU		
Southern bog lemming	<i>Synaptomys cooperi</i>	G5	S3		
Southern pygmy shrew	<i>Sorex hoyi winnemana</i>	G5T4	S2		
Southern rock vole	<i>Microtus chrotorrhinus carolinensis</i>	G4T3	S1	E	
Southern water shrew	<i>Sorex palustris punctulatus</i>	G5T3	S1	E	
Sperm whale	<i>Physeter catodon</i>	G3G4	SNA	E	E
Tricolored bat	<i>Perimyotis subflavus</i>	G3G4	S1**		
True's beaked whale	<i>Mesoplodon mirus</i>	G3	SNR		
Virginia northern flying squirrel	<i>Glaucomys sabrinus fuscus</i>	G5T2	SP		



Southeastern shrew (Corey Raimond)



Eastern small-footed myotis (Corey Raimond)

Birds

Acadian flycatcher	<i>Empidonax virescens</i>	G5	S5B		
Alder flycatcher	<i>Empidonax alnorum</i>	G5	S2B	I	
American bittern	<i>Botaurus lentiginosus</i>	G4	S1B, SIN	T	
American black duck	<i>Anas rubripes</i>	G5	S4B,S5N		
American kestrel	<i>Falco sparverius</i>	G5	S4B,S3N		
American	<i>Haematopus palliatus</i>	G5	S3B,S2N		

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Common Name	Scientific Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
oystercatcher					
American peregrine falcon	<i>Falco peregrinus anatum</i>	G4T4	S2	I	
American redstart	<i>Setophaga ruticilla</i>	G5	S4B		
American woodcock	<i>Scolopax minor</i>	G5	S4B,S4N		
Audubon's shearwater	<i>Puffinus lherminieri</i>	G4G5	SNR		
Bald eagle	<i>Haliaeetus leucocephalus</i>	G5	S4		
Bank swallow	<i>Riparia riparia</i>	G5	S3B		
Barn owl	<i>Tyto alba</i>	G5	S2	I	
Bicknell's thrush	<i>Catharus bicknellii</i>	G4	SNA		
Black rail	<i>Laterallus jamaicensis</i>	G3G4	S1	E	
Black scoter	<i>Melanitta americana</i>	G5	S3N		
Black skimmer	<i>Rynchops niger</i>	G5	S1B	E	
Black-and-white warbler	<i>Mniotilta varia</i>	G5	S4B		
Black-bellied plover	<i>Pluvialis squatarola</i>	G5	S3N		
Blackburnian warbler	<i>Setophaga fusca</i>	G5	S3B		
Black-crowned night-heron	<i>Nycticorax nycticorax</i>	G5	S3B,S2N		
Black-legged kittiwake	<i>Rissa tridactyla</i>	G5	SNR		
Black-throated blue warbler	<i>Setophaga caerulescens</i>	G5	S3S4B		
Black-throated green warbler	<i>Setophaga virens</i>	G5	S4B		
Blue-winged teal	<i>Anas discors</i>	G5	S2B,S3N		
Blue-winged warbler	<i>Vermivora cyanoptera</i>	G5	S4B		
Boat-tailed grackle	<i>Quiscalus major</i>	G5	S4B,S3N		
Bobolink	<i>Dolichonyx oryzivorus</i>	G5	S3S4B		
Brant	<i>Branta bernicla</i>	G5	S4S3N		
Broad-winged hawk	<i>Buteo platypterus</i>	G5	S3S4B		
Brown creeper	<i>Certhia americana</i>	G5	S3B,S4N		
Brown pelican	<i>Pelecanus occidentalis</i>	G4	S1B		
Canada warbler	<i>Cardellina canadensis</i>	G5	S3B		
Canvasback	<i>Aythya valisineria</i>	G5	S3S4N		
Cerulean warbler	<i>Setophaga cerulea</i>	G4	S3B		

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Chimney swift	<i>Chaetura pelagica</i>	G5	S5B		
Chuck-will's-widow	<i>Antrostomus carolinensis</i>	G5	S4B		
Coastal Plain swamp sparrow	<i>Melospiza georgiana nigrescens</i>	G5T3	S2S3B,SUN	I	
Common gallinule	<i>Gallinula galeata</i>	G5	S2S3B	I	
Common loon	<i>Gavia immer</i>	G5	S4N		
Common merganser	<i>Mergus merganser</i>	G5	S2B,S3S4N		
Common nighthawk	<i>Chordeiles minor</i>	G5	S2S3B		
Common tern	<i>Sterna hirundo</i>	G5	S1B	E	
Cory's shearwater	<i>Calonectris diomedea</i>	G5	SNR		
Dark-eyed junco	<i>Junco hyemalis</i>	G5	S3B,S5N		
Dickcissel	<i>Spiza americana</i>	G5	S3B		
Dunlin	<i>Calidris alpina</i>	G5	S3N		
Eastern meadowlark	<i>Sturnella magna</i>	G5	S5B,S3N		
Eastern whip-poor-will	<i>Antrostomus vociferus</i>	G5	S3S4B		
Forster's tern	<i>Sterna forsteri</i>	G5	S2B,S2N	I	
Gadwall	<i>Anas strepera</i>	G5	S2B,S4N		
Glossy ibis	<i>Plegadis falcinellus</i>	G5	S3B		
Golden eagle	<i>Aquila chrysaetos</i>	G5	S2N		
Golden-crowned kinglet	<i>Regulus satrapa</i>	G5	S3B,S4N		
Golden-winged warbler	<i>Vermivora chrysoptera</i>	G4	S2B	I	
Grasshopper sparrow	<i>Ammodramus savannarum</i>	G5	S5B		
Great blue heron	<i>Ardea herodias</i>	G5	S5B, S3S4N		
Great egret	<i>Ardea alba</i>	G5	S3S4B		
Greater yellowlegs	<i>Tringa melanoleuca</i>	G5	S2S3N		
Gull-billed tern	<i>Gelochelidon nilotica</i>	G5	S1B	E	
Henslow's sparrow	<i>Ammodramus henslowii</i>	G4	S2B	I	
Hooded warbler	<i>Setophaga citrina</i>	G5	S4B		
Horned grebe	<i>Podiceps auritus</i>	G5	S4N		
Kentucky warbler	<i>Geothlypis formosa</i>	G5	S4B		
King rail	<i>Rallus elegans</i>	G4	S2B,S2N		
Laughing gull	<i>Leucophaeus atricilla</i>	G5	S1B,S2N		
Leach's storm-	<i>Oceanodroma leucorhoa</i>	G5	SNR		

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petrel					
Least bittern	<i>Ixobrychus exilis</i>	G5	S2S3B	I	
Least flycatcher	<i>Empidonax minimus</i>	G5	S3S4B		
Least tern	<i>Sternula antillarum</i>	G4	S2B	T	
Lesser yellowlegs	<i>Tringa flavipes</i>	G5	S1N		
Little blue heron	<i>Egretta caerulea</i>	G5	S3B		
Loggerhead shrike	<i>Lanius ludovicianus</i>	G4	S1B	E	
Long-eared owl	<i>Asio otus</i>	G5	S1B, S1N		
Long-tailed duck	<i>Clangula hyemalis</i>	G5	S4N		
Louisiana waterthrush	<i>Parkesia motacilla</i>	G5	S5B		
Magnolia warbler	<i>Setophaga magnolia</i>	G5	S3S4B		
Marsh wren	<i>Cistothorus palustris</i>	G5	S4B, S2N		
Mourning warbler	<i>Geothlypis philadelphia</i>	G5	S1B	E	
Nashville warbler	<i>Oreothlypis ruficapilla</i>	G5	S1B	T	
Nelson's sparrow	<i>Ammodramus nelsoni</i>	G5	S1N		
Northern bobwhite	<i>Colinus virginianus</i>	G5	S4		
Northern gannet	<i>Morus bassanus</i>	G5	S3N		
Northern goshawk	<i>Accipiter gentilis</i>	G5	S1B, SAN	E*	
Northern harrier	<i>Circus cyaneus</i>	G5	S2B, S4N	I	
Northern parula	<i>Setophaga americana</i>	G5	S5B		
Northern saw-whet owl	<i>Aegolius acadicus</i>	G5	S1B, S1N		
Northern waterthrush	<i>Parkesia noveboracensis</i>	G5	S2B	I	
Olive-sided flycatcher	<i>Contopus cooperi</i>	G4	SHB	X	
Ovenbird	<i>Seiurus aurocapillus</i>	G5	S5B		
Pied-billed grebe	<i>Podilymbus podiceps</i>	G5	S2S3B, S3N		
Pine siskin	<i>Spinus pinus</i>	G5	S2B, S1S3N		
Piping plover	<i>Charadrius melodus</i>	G3	S1B	E	T
Prairie warbler	<i>Setophaga discolor</i>	G5	S4B		
Prothonotary warbler	<i>Protonotaria citrea</i>	G5	S4B		
Red knot	<i>Calidris canutus rufa</i>	G4T2	SNA	T	T
Red phalarope	<i>Phalaropus fulicarius</i>	G5	SNA		
Red-breasted nuthatch	<i>Sitta canadensis</i>	G5	S3B, S3S4N		
Red-cockaded woodpecker	<i>Picoides borealis</i>	G3	SHB	X	E
Redhead	<i>Aythya americana</i>	G5	S3S4N		

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Common Name	Scientific Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
Red-headed woodpecker	<i>Melanerpes erythrocephalus</i>	G5	S4		
Red-necked phalarope	<i>Phalaropus lobatus</i>	G4G5	SNA		
Red-throated loon	<i>Gavia stellata</i>	G5	S3S4N		
Roseate tern	<i>Sterna dougallii</i>	G4	SXB,S1N	X	E
Royal tern	<i>Thalasseus maximus</i>	G5	S1B	E	
Ruddy duck	<i>Oxyura jamaicensis</i>	G5	S3N		
Ruddy turnstone	<i>Arenaria interpres</i>	G5	S2N		
Ruffed grouse	<i>Bonasa umbellus</i>	G5	S4		
Rusty blackbird	<i>Euphagus carolinus</i>	G4	S2S3N		
Saltmarsh sparrow	<i>Ammodramus caudacutus</i>	G4	S2B,S1N	I	
Sanderling	<i>Calidris alba</i>	G5	S3N		
Sandwich tern	<i>Thalasseus sandvicensis</i>	G5	S1B		
Savannah sparrow	<i>Passerculus sandwichensis</i>	G5	S4B,S4N		
Scarlet tanager	<i>Piranga olivacea</i>	G5	S5B		
Seaside sparrow	<i>Ammodramus maritimus</i>	G4	S4B,S2N		
Sedge wren	<i>Cistothorus platensis</i>	G5	S1B	E	
Semipalmated sandpiper	<i>Calidris pusilla</i>	G5	SNA		
Sharp-shinned hawk	<i>Accipiter striatus</i>	G5	S2S3B,S4N		
Short-billed dowitcher	<i>Limnodromus griseus</i>	G5	SNA		
Short-eared owl	<i>Asio flammeus</i>	G5	S1B, S2N	E	
Snowy egret	<i>Egretta thula</i>	G5	S3B		
Sora	<i>Porzana carolina</i>	G5	S1B,S1N		
Spotted sandpiper	<i>Actitis macularius</i>	G5	S3S4B		
Surf scoter	<i>Melanitta perspicillata</i>	G5	S4N		
Swainson's thrush	<i>Catharus ustulatus</i>	G5	SHB	X	
Swainson's warbler	<i>Limnothlypis swainsonii</i>	G4	S1B	E	
Tricolored heron	<i>Egretta tricolor</i>	G5	S3B		
Upland sandpiper	<i>Bartramia longicauda</i>	G5	S1B	E	
Veery	<i>Catharus fuscescens</i>	G5	S4B		
Vesper sparrow	<i>Pooecetes gramineus</i>	G5	S4B,S2N		
Wayne's black-throated green warbler	<i>Setophaga virens waynei</i>	G5T3	SUB		
Whimbrel	<i>Numenius phaeopus</i>	G5	SNA		
White-winged scoter	<i>Melanitta fusca</i>	G5	S2S3N		

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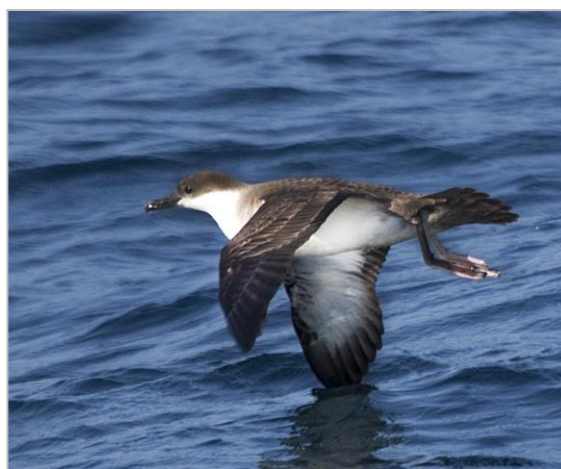
** = Pending State Rank Changes



Common Name	Scientific Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
Willet	<i>Tringa semipalmata</i>	G5	S4B,S2N		
Willow flycatcher	<i>Empidonax traillii</i>	G5	S4B		
Wilson's plover	<i>Charadrius wilsonia</i>	G5	S1B	E	
Winter wren	<i>Troglodytes hiemalis</i>	G5	S2B,S3N		
Wood thrush	<i>Hylocichla mustelina</i>	G5	S5B		
Worm-eating warbler	<i>Helmitheros vermivorum</i>	G5	S4B		
Yellow-bellied sapsucker	<i>Sphyrapicus varius</i>	G5	S1B,S3S4N		
Yellow-breasted chat	<i>Icteria virens</i>	G5	S5B		
Yellow-crowned night-heron	<i>Nyctanassa violacea</i>	G5	S3S4B		
Yellow-throated vireo	<i>Vireo flavifrons</i>	G5	S4B		



Northern bobwhite (Steve Maslowski, USFWS)



Audubon's shearwater (George Jett)

Reptiles

Atlantic hawksbill sea turtle	<i>Eretmochelys imbricata</i>	G3	SNR	E	E
Bog turtle	<i>Glyptemys muhlenbergii</i>	G3	S2	T	T
Coastal Plain milksnake	<i>Lampropeltis triangulum elapsoides X triangulum</i>	GNR	SNR		
Common ribbonsnake	<i>Thamnophis sauritus</i>	G5	S5		
Eastern box turtle	<i>Terrapene carolina</i>	G5	S5		
Eastern kingsnake	<i>Lampropeltis getula</i>	G5	S5		
Eastern six-lined racerunner	<i>Aspidoscelis sexlineata</i>	G5	S4		

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Common Name	Scientific Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
Eastern spiny softshell	<i>Apalone spinifera</i>	G5	S1	I	
Green sea turtle	<i>Chelonia mydas</i>	G3	SNA	T	T
Kemp's ridley sea turtle	<i>Lepidochelys kempii</i>	G1	S1N	E	E
Leatherback sea turtle	<i>Dermochelys coriacea</i>	G2	SNA	E	E
Loggerhead sea turtle	<i>Caretta caretta</i>	G3	S1B,S1N	T	T
Mole kingsnake	<i>Lampropeltis calligaster rhombomaculata</i>	G5T5	S4		
Mountain earthsnake	<i>Virginia valeriae pulchra</i>	G5T3T4	S1S2	E	
Northern coal skink	<i>Plestiodon anthracinus</i>	G5	S1	E	
Northern diamond-backed terrapin	<i>Malaclemys terrapin terrapin</i>	G4T4Q	S4		
Northern map turtle	<i>Graptemys geographica</i>	G5	S1	E*	
Northern pinesnake	<i>Pituophis melanoleucus</i>	G4	SH		
Northern scarlet snake	<i>Cemophora coccinea</i>	G5	S3		
Plain-bellied watersnake	<i>Nerodia erythrogaster</i>	G5	S2S3		
Rainbow snake	<i>Farancia erythrogramma</i>	G4	S1	E	
Red cornsnake	<i>Pantherophis guttatus</i>	G5	S4		
Smooth greensnake	<i>Opheodrys vernalis</i>	G5	S5**		
Spotted turtle	<i>Clemmys guttata</i>	G5	S5**		
Timber rattlesnake	<i>Crotalus horridus</i>	G4	S3		
Wood turtle	<i>Glyptemys insculpta</i>	G3	S2S3**		



Eastern spiny softshell (Hans Holbrook)



Rainbow snake (George Jett)

Amphibians

Atlantic Coast leopard frog	<i>Lithobates kauffeldi</i>	GNR	SNR		
Barking treefrog	<i>Hyla gratiosa</i>	G5	S1	E	
Carpenter frog	<i>Lithobates virgatipes</i>	G4	S3		
Common mudpuppy	<i>Necturus maculosus</i>	G5	S1	X	
Eastern hellbender	<i>Cryptobranchus alleganiensis</i>	G3G4	S1	E	

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Common Name	Scientific Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
Eastern mud salamander	<i>Pseudotriton montanus</i>	G5	S2		
Eastern narrow-mouthed toad	<i>Gastrophryne carolinensis</i>	G5	S1S2	E	
Eastern tiger salamander	<i>Ambystoma tigrinum</i>	G5	S2	E	
Green salamander	<i>Aneides aeneus</i>	G3G4	S2	E	
Jefferson salamander	<i>Ambystoma jeffersonianum</i>	G4	S3		
Mountain chorus frog	<i>Pseudacris brachyphona</i>	G5	S1	E	
Northern red salamander	<i>Pseudotriton ruber</i>	G5	S5		
Northern spring salamander	<i>Gyrinophilus porphyriticus</i>	G5	S4		
Seal salamander	<i>Desmognathus monticola</i>	G5	S5		
Southern two-lined salamander	<i>Eurycea cirrigera</i>	G5	SNR		
Undetermined siren	<i>Siren sp. 1</i>	GNR	SNR		
Upland chorus frog	<i>Pseudacris feriarum</i>	G5	S5**		
Valley and Ridge salamander	<i>Plethodon hoffmani</i>	G5	S5		
Wehrle's salamander	<i>Plethodon wehrlei</i>	G4	S2	I	



Eastern narrow-mouthed toad (Andrew Hoffman)



Seal salamander (Bill Hubick)

Fishes

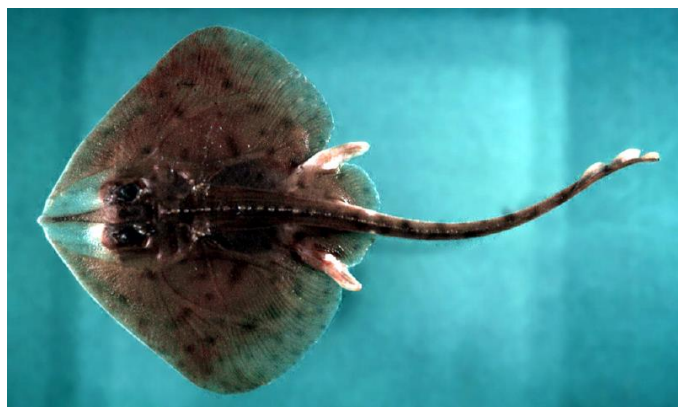
American brook lamprey	<i>Lethenteron appendix</i>	G4	S1S2	T	
American shad	<i>Alosa sapidissima</i>	G5	S3		
Atlantic sturgeon	<i>Acipenser oxyrinchus</i>	G3	S1	E	E
Banded sunfish	<i>Enneacanthus obesus</i>	G5	S2		
Barndoor skate	<i>Dipturus laevis</i>	G3	SNR		
Blackbanded sunfish	<i>Enneacanthus chaetodon</i>	G3G4	S1	E	

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Common Name	Scientific Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
Bowfin	<i>Amia calva</i>	G5	S1		
Bridle shiner	<i>Notropis bifrenatus</i>	G3	SH	X	
Brook trout	<i>Salvelinus fontinalis</i>	G5	S3S4		
Checkered sculpin	<i>Cottus sp 7</i>	G4Q	S1S2		
Chesapeake logperch	<i>Percina bimaculata</i>	G1G2	S1S2	T	
Comely shiner	<i>Notropis amoenus</i>	G5	S3		
Flier	<i>Centrarchus macropterus</i>	G5	S1S2	T	
Glassy darter	<i>Etheostoma vitreum</i>	G4G5	S1S2	T	
Hickory shad	<i>Alosa mediocris</i>	G4	S3		
Ironcolor shiner	<i>Notropis chalybaeus</i>	G4	S1	E	
Johnny darter	<i>Etheostoma nigrum</i>	G5	S3		
Longnose sucker	<i>Catostomus catostomus</i>	G5	SH	X	
Maryland darter	<i>Etheostoma sellare</i>	GH	SH	E	E
Mottled sculpin	<i>Cottus bairdi</i>	G5	S3S4		
Mud sunfish	<i>Acantharchus pomotis</i>	G4G5	S2	I	
Pearl dace	<i>Margariscus margarita</i>	G4	S1S2	T	
Shortnose sturgeon	<i>Acipenser brevirostrum</i>	G3	S1	E	E
Smooth skate	<i>Malacoraja senta</i>	GNR	SNR		
Spotfin killifish	<i>Fundulus luciae</i>	G4	S2		
Stonecat	<i>Noturus flavus</i>	G5	S1	E	
Stripeback darter	<i>Percina notogramma</i>	G4	S1	E	
Striped shiner	<i>Luxilus chrysocephalus</i>	G5	S1S2	I	
Swamp darter	<i>Etheostoma fusiforme</i>	G5	S2	I	
Thorny skate	<i>Amblyraja radiata</i>	GNR	SNR		SC
White catfish	<i>Ameiurus catus</i>	G5	SU		



Smooth skate (Donald Flescher)



Thorny skate (Donald Flescher)

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Common Name	Scientific Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
Maryland SGCN Insects					
Beetles					
Appalachian tiger beetle	<i>Cicindela ancocisconensis</i>	G3	S1	E	
Ash seed weevil	<i>Thysanocnemis bischoffi</i>	GNR	SNR		
Bethany Beach firefly	<i>Photuris bethaniensis</i>	G1Q	SP		
Cow path tiger beetle	<i>Cicindela purpurea</i>	G5	S3		
Eastern ash bark beetle	<i>Hylesinus aculeatus</i>	GNR	SNR		
Eastern pinebarrens tiger beetle	<i>Cicindela abdominalis</i>	G3G4	S1	E	
Festive tiger beetle	<i>Cicindela scutellaris</i>	G5	S3		
Ghost tiger beetle	<i>Cicindela lepida</i>	G3G4	S1	E	
Northeastern beach tiger beetle	<i>Cicindela dorsalis dorsalis</i>	G3G4T2	S1	E	T
Northern ash bark beetle	<i>Hylesinus criddlei</i>	GNR	SNR		
Northern barrens tiger beetle	<i>Cicindela patruela</i>	G3	S1	E	
One-spotted tiger beetle	<i>Cicindela unipunctata</i>	G4G5	S3		
Puritan tiger beetle	<i>Cicindela puritana</i>	G1G2	S1S2	E	T
Seth forest water scavenger beetle	<i>Hydrochus spangleri</i>	G1	S1	E	
Six-banded longhorn beetle	<i>Dryobius sexnotatus</i>	GNR	S1	E	
Splendid tiger beetle	<i>Cicindela splendida</i>	G5	S1		
White tiger beetle	<i>Cicindela dorsalis media</i>	G3G4T3T4	S1	E	
White-banded ash bark beetle	<i>Hylesinus fasciatus</i>	GNR	SNR		
A cave beetle	<i>Pseudanophthalmus sp 15</i>	G1	S1		
A tenebrionid beetle	<i>Helops cisteloides</i>	GNR	S1		
A tenebrionid beetle	<i>Schoenicus puberulus</i>	GNR	S1		
A weevil	<i>Apion porosicolle</i>	GNR	SNR		
Bees, Wasps and Ants					
American bumble bee	<i>Bombus pennsylvanicus</i>	G3G4	SNR		
Ashton's cuckoo bumble bee	<i>Bombus ashtoni</i>	GH	SNR		
Black and gold bumble bee	<i>Bombus auricomus</i>	G4G5	SU		
Blackheaded ash sawfly	<i>Tethida barda</i>	GNR	SNR		
Brownheaded ash sawfly	<i>Tomostethus multicinctus</i>	GNR	SNR		
Half-black bumble bee	<i>Bombus vagans</i>	G4	S3		
Lemon cuckoo bumble bee	<i>Bombus citrinus</i>	G4G5	SNR		

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Macropis cuckoo bee	<i>Epeoloides pilosula</i>	G1	SH		
Oak-grove ant	<i>Formica querquetulana</i>	GNR	SNR		
Pearly-banded bee	<i>Nomia manei</i>	GNR	S1S3		
Rusty-patch bumble bee	<i>Bombus affinis</i>	G1	SNR		
Sanderson's bumble bee	<i>Bombus sandersoni</i>	G4G5	S3		
Texas temnothorax ant	<i>Temnothorax texanus</i>	GNR	SNR		
Variable cuckoo bumble bee	<i>Bombus variabilis</i>	GU	SH		
Yellowbanded bumble bee	<i>Bombus terricola</i>	G2G4	SNR		
A cellophane bee	<i>Colletes aestivalis</i>	GNR	SH		
A cuckoo bee	<i>Nomada rubicunda</i>	GNR	S1S3		
A dolichoderine ant	<i>Dolichoderus taschenbergi</i>	GNR	SNR		
A formicine ant	<i>Camponotus impressus</i>	GNR	SNR		
A fungus-growing ant	<i>Trachymyrmex septentrionalis</i>	GNR	SNR		
A hairy-tongue bee	<i>Lasioglossum arantium</i>	GNR	S2S3		
A hairy-tongue bee	<i>Lasioglossum georgeickworti</i>	GNR	SNR		
A hairy-tongue bee	<i>Lasioglossum marinum</i>	GNR	SU		
A hairy-tongue bee	<i>Lasioglossum nymphale</i>	GNR	S2S3		
A hairy-tongue bee	<i>Lasioglossum rahleighense</i>	GNR	SU		
A mason bee	<i>Osmia chalybea</i>	G4	S1S3		
A mining bee	<i>Andrena braccata</i>	GNR	SU		
A mining bee	<i>Andrena fulvipennis</i>	GNR	SU		
A mining bee	<i>Protandrena abdominalis</i>	GNR	SU		
A myrmicine ant	<i>Leptothorax muscorum</i>	GNR	SNR		
A myrmicine ant	<i>Myrmica pinetorum</i>	GNR	SNR		
A sweat bee	<i>Dieunomia heteropoda</i>	GNR	SU		
A sweat bee	<i>Dieunomia nevadensis</i>	GNR	SU		
A temnothorax ant	<i>Temnothorax pergandei</i>	GNR	SNR		
An oil-collecting bee	<i>Macropis ciliata</i>	GNR	S1		
An oil-collecting bee	<i>Macropis patellata</i>	GNR	SH		
Butterflies and Moths					
American chestnut nepticulid moth	<i>Ectoedemia castaneae</i>	GH	SH		
Angle winged emerald moth	<i>Chloropteryx tepperaria</i>	G4	SNR		
Appalachian blue	<i>Celastrina neglectamajor</i>	G4	S3S4		
Aralia shoot borer moth	<i>Papaipema araliae</i>	G3G4	SNR		

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Ash pyralid	<i>Palpita magniferalis</i>	GNR	SNR		
Atlantis fritillary	<i>Speyeria atlantis</i>	G5	S1	T	
Aureolaria seed borer moth	<i>Pyrrhia aurantiago</i>	G3G4	SNR		
Baltimore checkerspot	<i>Euphydryas phaeton</i>	G4	S2		
Black dash	<i>Euphyes conspicua</i>	G4	S4		
Bog copper	<i>Lycaena epixanthe</i>	G4G5	S1	E	
Bold-based zale moth	<i>Zale lunifera</i>	G3G4	SNR		
Broad-lined catopyrrha	<i>Erastria coloraria</i>	G3G4	SH		
Bronze copper	<i>Lycaena hyllus</i>	G5	S4		
Buffalo moth	<i>Parapamea buffaloensis</i>	G4	SNR		
Carolina satyr	<i>Hermeuptychia sosybius</i>	G5	S1S3		
Chain fern borer moth	<i>Papaipema stenocelis</i>	G4	SNR		
Chermock's mulberry wing	<i>Poanes massasoit chermocki</i>	G4T1	S1	E	
Cobweb skipper	<i>Hesperia metea</i>	G4	S3		
Compton tortoiseshell	<i>Nymphalis vaualbum</i>	G5	S1B	E	
Curved halter moth	<i>Capis curvata</i>	G4	S1S2		
Cypress sphinx moth	<i>Isoparce cupressi</i>	G4	S1S2		
Delaware skipper	<i>Atrytone logan</i>	G5	S3		
Dion skipper	<i>Euphyes dion</i>	G4	S3		
Doris' tiger moth	<i>Grammia doris</i>	G4	SNR		
Dusted Skipper	<i>Atrytonopsis hianna</i>	G4G5	S4**		
Early hairstreak	<i>Erora laeta</i>	GU	S1	E	
Edwards' hairstreak	<i>Satyrium edwardsii</i>	G4	S1	E	
Fingered lemmeria	<i>Lemmeria digitalis</i>	G4	SNR		
Franck's sphinx	<i>Sphinx franckii</i>	G4	S1S2		
Fringed dart	<i>Eucoptocnemis fimbriaris</i>	G4	SNR		
Frosted elfin	<i>Callophryss irus</i>	G3	S1	E	
George's midget moth	<i>Elaphria georgei</i>	G4	SU		
Giant swallowtail	<i>Papilio cresphontes</i>	G5	S2	I	
Graceful clearwing	<i>Hemaris gracilis</i>	G3G4	SNR		
Gray comma	<i>Polygonia progne</i>	G4G5	S3		
Great purple hairstreak	<i>Atlides halesus</i>	G4G5	S1S2	T	
Grote's sallow	<i>Copivaleria grotei</i>	G5	SNR		
Harris's checkerspot	<i>Chlosyne harrisii</i>	G4	S2	T	
Hessel's hairstreak	<i>Mitoura hesseli</i>	G3G4	SH	X	
Hickory hairstreak	<i>Satyrium caryaevorum</i>	G4	S1	E	
Hoary elfin	<i>Callophrys polios</i>	G5	S1	E	

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Hydrangea sphinx	<i>Darapsa versicolor</i>	G4	SNR		
Indian skipper	<i>Hesperia sassacus</i>	G4G5	S3		
King's hairstreak	<i>Satyrium kingi</i>	G3G4	S1	E	
Lemmer's noctuid moth	<i>Lithophane lemmeri</i>	G3G4	SNR		
Leonard's skipper	<i>Hesperia leonardus</i>	G4	S2		
Little beggar	<i>Eubaphe meridiana</i>	G4	SNR		
Long dash	<i>Polites mystic</i>	G5	S3		
Louisiana owlet moth	<i>Macrochilo louisiana</i>	G4	SNR		
Marbled underwing	<i>Catocala marmorata</i>	G3G4	SH		
Melsheimer's sack-bearer	<i>Cicinnus melsheimeri</i>	G4	SNR		
Mixed dart	<i>Euxoa immixta</i>	G4	SNR		
Monarch	<i>Danaus plexippus</i>	G4	S5		
Mottled duskywing	<i>Erynnis martialis</i>	G3	S1	E	
Mulberry wing	<i>Poanes massasoit massasoit</i>	G4	S4		
Newman's brocade	<i>Meropleon ambifusca</i>	G3G4	SNR		
Northern crescent	<i>Phyciodes cocyta</i>	G5	SP		
Northern hairstreak	<i>Satyrium favonius ontario</i>	G4T4	S1S2	E	
Northern metalmark	<i>Calephelis borealis</i>	G3G4	S2	T	
Olympia marble	<i>Euchloe olympia</i>	G4G5	S2	I	
Palamedes swallowtail	<i>Papilio palamedes</i>	G4	S1	E	
Pepper and salt skipper	<i>Amblyscirtes hegon</i>	G5	S2	I	
Phleophagan chestnut nepticulid moth	<i>Ectoedemia phleophaga</i>	GH	SH		
Phyllira tiger moth	<i>Grammia phyllira</i>	G4	SNR		
Pine barrens zanclognatha	<i>Zanclognatha martha</i>	G4	S1S3		
Pink sallow	<i>Psectraglaea carnosa</i>	G3	SNR		
Pink-edged sulphur	<i>Colias interior</i>	G5	S1		
Pitcher plant borer moth	<i>Papaipema appassionata</i>	G4	SNR		
Plain schizura	<i>Schizura apicalis</i>	G3G4	SNR		
Polymnia stalk borer moth	<i>Papaipema polymniae</i>	G4	SH		
Precious underwing	<i>Catocala pretiosa pretiosa</i>	G4T2	SH		
Purple plagodis	<i>Plagodis kuetzingi</i>	G5	SNR		
Rare skipper	<i>Problema bulenta</i>	G2G3	S1	T	
Seaside goldenrod stem borer	<i>Papaipema duovata</i>	G4	SU		
Silver-bordered fritillary	<i>Boloria selene</i>	G5	S3		
Silvery blue	<i>Glaucopsyche lygdamus</i>	G5	S2	I	
Sinuuous lytrosis	<i>Lytrosis sinuosa</i>	G4	S1S3		
Southern grizzled skipper	<i>Pyrgus wyandot</i>	G1G2Q	S1	E	

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Common Name	Scientific Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
Southern ptichodis moth	<i>Ptichodis bistrigata</i>	G3	SNR		
Speyer's hooded owlet	<i>Cucullia speyeri</i>	G4	SNR		
Three-horned moth	<i>Pachypolia atricornis</i>	G3G4	SH		
Tuscarora emerald	<i>Nemoria tuscarora</i>	GU	SNR		
Two-spotted skipper	<i>Euphyes bimacula</i>	G4	S1	E	
Unexpected cycnia	<i>Cycnia inopinatus</i>	G4	SNR		
Venus flytrap cutworm	<i>Hemipachnobia subporphyrea</i>	G1	SNR		
Violet dart	<i>Euxoa violaris</i>	G4	SNR		
West Virginia white	<i>Pieris virginiensis</i>	G3	S1S2		
White-tailed diver moth	<i>Bellura gortynoides</i>	G4	SNR		
A crambid snout moth	<i>Undulambia striatalis</i>	GNR	SNR		
A geometrid moth	<i>Apodrepanulatrix liberaria</i>	G3	SU		
A geometrid moth	<i>Cyclophora nanaria</i>	G5	SU		
A geometrid moth	<i>Euchlaena milnei</i>	G2G4	SNR		
A lymantriid moth	<i>Dasychira atrivenosa</i>	G4	SU		
A noctuid moth	<i>Amolita roseola</i>	G5	SNR		
A noctuid moth	<i>Chytonix sensilis</i>	G4	SNR		
A noctuid moth	<i>Hadena ectypa</i>	G3G4	SU		
A noctuid moth	<i>Melanapamea mixta</i>	GU	S1		
A noctuid moth	<i>Meropleon cosmion</i>	G4	SNR		
A noctuid moth	<i>Meropleon titan</i>	G2G4	S2S4		
A noctuid moth	<i>Zale curema</i>	G4	S1		
A noctuid moth	<i>Zale submediana</i>	G4	S1S3		
Dragonflies and Damselflies					
Allegheny river cruiser	<i>Macromia alleghaniensis</i>	G4	S2		
Amber-winged spreadwing	<i>Lestes eurinus</i>	G4	S3		
American emerald	<i>Cordulia shurtleffii</i>	G5	S3		
Appalachian jewelwing	<i>Calopteryx angustipennis</i>	G4	S1S2		
Appalachian snaketail	<i>Ophiogomphus incurvatus incurvatus</i>	G3T2T3	S1		
Arrowhead spiketail	<i>Cordulegaster obliqua</i>	G4	S2		
Atlantic bluet	<i>Enallagma doubledayi</i>	G5	S1		
Attenuated bluet	<i>Enallagma daeckii</i>	G4	S3		
Banded pennant	<i>Celithemis fasciata</i>	G5	S3		
Banded spiketail	<i>Cordulegaster obliqua fasciata</i>	G4T3Q	S1		
Bar-winged skimmer	<i>Libellula axilena</i>	G5	S3		
Beaverpond baskettail	<i>Epitheca canis</i>	G5	S3		

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Common Name	Scientific Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
Black-tipped darner	<i>Aeshna tuberculifera</i>	G4	S2		
Blackwater bluet	<i>Enallagma weewa</i>	G5	S2		
Brown spiketail	<i>Cordulegaster bilineata</i>	G5	S3		
Brush-tipped emerald	<i>Somatochlora walshii</i>	G5	S1		
Burgundy bluet	<i>Enallagma dubium</i>	G5	S1		
Canada darner	<i>Aeshna canadensis</i>	G5	S2		
Chalk-fronted skimmer	<i>Ladona julia</i>	G5	S3		
Chesapeake snaketail	<i>Ophiogomphus sp 1</i>	G1	S1		
Comet darner	<i>Anax longipes</i>	G5	S3		
Common sanddragon	<i>Progomphus obscurus</i>	G5	S3		
Coppery emerald	<i>Somatochlora georgiana</i>	G3G4	S1		
Crimson-ringed whiteface	<i>Leucorrhinia glacialis</i>	G5	S1		
Delta-spotted spiketail	<i>Cordulegaster diastatops</i>	G5	S3S4		
Dot-tailed whiteface	<i>Leucorrhinia intacta</i>	G5	S3		
Double-ringed pennant	<i>Celithemis verna</i>	G5	S2		
Duckweed firetail	<i>Telebasis byersi</i>	G5	S1		
Dusky clubtail	<i>Gomphus spicatus</i>	G5	S1		
Eastern ringtail	<i>Erpetogomphus designatus</i>	G5	S2		
Elfin skimmer	<i>Nannothemis bella</i>	G4	S1	E	
Faded pennant	<i>Celithemis ornata</i>	G5	SH		
Fine-lined emerald	<i>Somatochlora filosa</i>	G5	S2		
Four-spotted pennant	<i>Brachymesia gravida</i>	G5	S3S4		
Frosted whiteface	<i>Leucorrhinia frigida</i>	G5	S1		
Furtive forktail	<i>Ischnura prognata</i>	G4	S1		
Golden-winged skimmer	<i>Libellula auripennis</i>	G5	S3		
Gray petaltail	<i>Tachopteryx thoreyi</i>	G4	S3		
Green-faced clubtail	<i>Gomphus viridifrons</i>	G3G4	S1		
Green-striped darner	<i>Aeshna verticalis</i>	G5	S2		
Harlequin darner	<i>Gomphaeschna furcillata</i>	G5	S3S4		
Harpoon clubtail	<i>Gomphus desertus</i>	G4	S1S2		
Hudsonian whiteface	<i>Leucorrhinia hudsonica</i>	G5	S1		
Laura's clubtail	<i>Stylurus laurae</i>	G4	S2S3		
Little blue dragonlet	<i>Erythrodiplax minuscula</i>	G5	S1		
Maine snaketail	<i>Ophiogomphus mainensis fastigiatus</i>	G4TU	S1		
Mantled baskettail	<i>Epitheca semiaquea</i>	G5	SH		
Martha's pennant	<i>Celithemis martha</i>	G4	S1		
Midland clubtail	<i>Gomphus fraternus</i>	G5	S2		
Mocha emerald	<i>Somatochlora linearis</i>	G5	S3S4		

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Common Name	Scientific Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
Mustached clubtail	<i>Gomphus adelphus</i>	G4	S1		
Northern bluet	<i>Enallagma annexum</i>	G5	S1		
Northern pygmy clubtail	<i>Lanthus parvulus</i>	G4	S2		
Ocellated darner	<i>Boyeria grafiana</i>	G5	S1		
Pale bluet	<i>Enallagma pallidum</i>	G4	S1		
Petite emerald	<i>Dorocordulia lepida</i>	G5	SH		
Piedmont clubtail	<i>Gomphus parvidens</i>	G4	SH	X	
Pygmy snaketail	<i>Ophiogomphus howei</i>	G3	S1		
Rainbow bluet	<i>Enallagma antennatum</i>	G5	S1		
Rapids clubtail	<i>Gomphus quadricolor</i>	G3G4	S2	I	
Red-veined pennant	<i>Celithemis bertha</i>	G5	S1		
River jewelwing	<i>Calopteryx aequabilis</i>	G5	SR		
Riverine clubtail	<i>Stylurus amnicola</i>	G4	SH	X	
Robust baskettail	<i>Epitheca spinosa</i>	G4	S1S2		
Royal river cruiser	<i>Macromia taeniolata</i>	G5	S3		
Rusty snaketail	<i>Ophiogomphus rupinsulensis</i>	G5	S2		
Sable clubtail	<i>Gomphus rogersi</i>	G4	S2	I	
Seepage dancer	<i>Argia bipunctulata</i>	G4	S3		
Selys' sundragon	<i>Helocordulia selysii</i>	G4	S2	T	
Skillet clubtail	<i>Gomphus ventricosus</i>	G3	SH	X	
Ski-tailed emerald	<i>Somatochlora elongata</i>	G5	S2		
Smoky rubyspot	<i>Hetaerina titia</i>	G5	SH		
Southern pygmy clubtail	<i>Lanthus vernalis</i>	G4	S2		
Southern sprite	<i>Nehalennia integricollis</i>	G5	S1S2		
Sparkling jewelwing	<i>Calopteryx dimidiata</i>	G5	S2		
Sphagnum sprite	<i>Nehalennia gracilis</i>	G5	S2		
Spine-crowned clubtail	<i>Gomphus abbreviatus</i>	G4	S1		
Splendid clubtail	<i>Gomphus lineatifrons</i>	G4	S1		
Spotted spreadwing	<i>Lestes congener</i>	G5	S3		
Spring blue darner	<i>Rhionaeschna mutata</i>	G4	S1	E	
Stripe-winged baskettail	<i>Epitheca costalis</i>	G5	S1		
Stygian shadowdragon	<i>Neurocordulia yamaskanensis</i>	G5	S3		
Superb jewelwing	<i>Calopteryx amata</i>	G4	S1S2	T	
Sweetflag spreadwing	<i>Lestes forcipatus</i>	G5	S3		
Taper-tailed darner	<i>Gomphaeschna antilope</i>	G4	S2		
Tiger spiketail	<i>Cordulegaster erronea</i>	G4	S3		
Treetop emerald	<i>Somatochlora provocans</i>	G4	S1	E	
Tule bluet	<i>Enallagma carunculatum</i>	G5	S1		

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Uhler's sundragon	<i>Helocordulia uhleri</i>	G5	S3		
White corporal	<i>Ladona exusta</i>	G4	S1	E	
White-faced meadowhawk	<i>Sympetrum obtrusum</i>	G5	S3		
Yellow-sided skimmer	<i>Libellula flavida</i>	G5	S2S3		
Zebra clubtail	<i>Stylurus scudderi</i>	G4	S1		
Stoneflies, Mayflies and Caddisflies					
Aracoma sallfly	<i>Alloperla aracoma</i>	G3	SNR		
Dusky sallfly	<i>Alloperla biserrata</i>	G3	SNR		
Gaspe sallfly	<i>Utaperla gaspesiana</i>	G3	SNR		
Pocahontas sallfly	<i>Sweltsa pocahontas</i>	G2	SNR		
Shenandoah needlefly	<i>Megaleuctra flinti</i>	G2	SNR		
Shenandoah sallfly	<i>Sweltsa palearata</i>	G2G3	SNR		
Speith's great speckled olive mayfly	<i>Siphloplecton costalense</i>	G2G4	SNR		
A caddisfly	<i>Ceraclea spongillovorax</i>	G3G4	SNR		
A caddisfly	<i>Ceraclea uvalo</i>	G2G4	SNR		
A caddisfly	<i>Cernotina pallida</i>	G3G4	SNR		
A caddisfly	<i>Cheumatopsyche parentum</i>	G3	SNR		
A caddisfly	<i>Hydropsyche hoffmani</i>	G3G4	SNR		
A caddisfly	<i>Protophila georgiana</i>	G3G4	SNR		
A Scalaris trichopteran	<i>Hydropsyche brunneipennis</i>	G3G4	S3		
Other Insects					
Ash bullet gall midge	<i>Dasineura pellex</i>	GNR	SNR		
Ash midrib gall midge	<i>Continaria canadensis</i>	GNR	SNR		
Ash plant bug	<i>Tropidosteptes amoenus</i>	GNR	SNR		
Crabtree cave springtail	<i>Arrhopalites sp 1</i>	GNR	SU		
Eastern sedge barrens leafhopper	<i>Limotettix minuendus</i>	G1	S1	E	
Pitcher-plant mosquito	<i>Wyeomyia smithii</i>	G5	S2		

Maryland SGCN Other Invertebrates

Crustaceans and Allies

Acuminate crayfish	<i>Cambarus acuminatus</i>	G4Q	S2	I	
Allegheny cave amphipod	<i>Stygobromus allegheniensis</i>	G5	S2S3	I	
Allegheny crayfish	<i>Orconectes obscurus</i>	G5	S3		

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Common Name	Scientific Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
Allegheny spring isopod	<i>Caecidotea alleghenyensis</i>	GNR	S1	E	
Appalachian cave spider	<i>Porhomma cavernicola</i>	G5	S2		
Ash flowergall mite	<i>Aceria fraxiniflora</i>	GNR	SNR		
Ash key gall mite	<i>Aceria fraxinivorus</i>	GNR	SNR		
Ashleaf gall mite	<i>Aceria chondriphora</i>	GNR	SNR		
Barrelville amphipod	<i>Stygobromus sp 5</i>	GNR	S1		
Biggers' cave amphipod	<i>Stygobromus biggersi</i>	G2G4	S1	E	
Capital Area groundwater amphipod	<i>Stygobromus sextarius</i>	G1	S1	E	
Cecil groundwater amphipod	<i>Stygobromus caecilius</i>	G1	S1	E	
Devils Hole cave amphipod	<i>Stygobromus sp 6</i>	GNR	S1		
Digger crayfish	<i>Fallicambarus fodiens</i>	G5	SNR		
Feller's groundwater amphipod	<i>Stygobromus felleri</i>	G1	S1	E	
Franz's cave amphipod	<i>Stygobromus franzi</i>	G3G4	S2S3	I	
Franz's cave isopod	<i>Caecidotea franzi</i>	G2G4	S1	E	
Friendly cave amphipod	<i>Stygobromus amicus</i>	G1	S1	E	
Greenbrier cave amphipod	<i>Stygobromus emarginatus</i>	G3	S1	E	
Holsinger's cave isopod	<i>Caecidotea holsingeri</i>	G5	S1	E	
Horseshoe crab	<i>Limulus polyphemus</i>	G5	SNR		
Maus' cave isopod	<i>Caecidotea mausi</i>	G2	S1	E	
Norden's groundwater isopod	<i>Caecidotea nordeni</i>	GH	SH	X	
Pennsylvania cave crangonyctid	<i>Crangonyx dearolfi</i>	G2	S1	E	
Pizzini's amphipod	<i>Stygobromus pizzinii</i>	G3G4	S1		
Potomac amphipod	<i>Stygobromus tenuis potomacus</i>	G4T4	S3		
Prettyboy groundwater amphipod	<i>Stygobromus paxillus</i>	G1	S1	E	
Price's cave isopod	<i>Caecidotea pricei</i>	G5	S3		
Rappahannock spring amphipod	<i>Stygobromus foliatus</i>	G2	S1	E	
Rock crawfish	<i>Cambarus carinirostris</i>	G5	SNR		
Rock Creek groundwater amphipod	<i>Stygobromus kenki</i>	G2	S1	E	
Roundtop amphipod	<i>Stygobromus sp 14</i>	GNR	S1		
Shenandoah Valley cave amphipod	<i>Stygobromus gracilipes</i>	G3G4	S1	E	
Snivelys cave spider	<i>Oreonetides sp 1</i>	GNR	SU		

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Common Name	Scientific Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
Tenuis amphipod	<i>Stygobromus tenuis tenuis</i>	G4T4	SU		
Tidewater amphipod	<i>Stygobromus indentatus</i>	G3	S1		
Vandel's cave isopod	<i>Caecidotea vandeli</i>	G3G4	S1	E	
A copepod	<i>Acanthocyclops columbiensis</i>	G1	SNR		
An amphipod	<i>Crangonyx stagnicolous</i>	G2	SNR		
An ostracod	<i>Donnaldsoncythere donnaldsonensis</i>	G3	SNR		
Snails					
Angular disc	<i>Discus catskillensis</i>	G5	S1		
Appalachian springsnail	<i>Fontigens bottimeri</i>	G2G3	S2		
Bear creek slitmouth	<i>Stenotrema simile</i>	G2	SU		
Blue Ridge springsnail	<i>Fontigens orolibas</i>	G3	S1	E	
Cherrystone drop	<i>Hendersonia occulta</i>	G4	S2	I	
Chesapeake ambersnail	<i>Oxyloma subeffusum</i>	G3	SNR		
Coastal-plain ambersnail	<i>Oxyloma effusum</i>	G3	SNR		
Cylindrically-ornate wood snail	<i>Vertigo ventricosa</i>	G5	SU		
Maryland glyph	<i>Glyphyalinia raderi</i>	G2	SH	X	
Natural Bridge supercoil	<i>Paravitrea pontis</i>	G3	SNR		
Rust glyph	<i>Glyphyalinia picea</i>	G3	SNR		
Snowhill ambersnail	<i>Catinella hubrichti</i>	G3	SNR		
Spruce knob threetooth	<i>Triodopsis picea</i>	G3	S1		
Striped whitelip	<i>Webbhelix multilineata</i>	G5	S1		
Freshwater Mussels					
Alewife floater	<i>Anodonta implicata</i>	G5	S3		
Atlantic spike	<i>Elliptio producta</i>	G3Q	S2	I	
Brook floater	<i>Alasmidonta varicosa</i>	G3	S1	E	
Creeper	<i>Strophitus undulatus</i>	G5	S2	I	
Dwarf wedgemussel	<i>Alasmidonta heterodon</i>	G1G2	S1	E	E
Eastern lampmussel	<i>Lampsilis radiata</i>	G5	SU		
Eastern pondmussel	<i>Ligumia nasuta</i>	G4	S1S2		
Green floater	<i>Lasmigona subviridis</i>	G3	S1	E	
Northern lance	<i>Elliptio fisheriana</i>	G4	S3		
Paper pondshell	<i>Utterbackia imbecillis</i>	G5	S3		
Tidewater mucket	<i>Leptodea ochracea</i>	G3G4	S1S2		
Triangle floater	<i>Alasmidonta undulata</i>	G4	S1	E	
Yellow lampmussel	<i>Lampsilis cariosa</i>	G3G4	SU		
Yellow lance	<i>Elliptio lanceolata</i>	G2G3	SU		

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Flatworms					
Hoffmaster's cave planarian	<i>Sphalloplana hoffmasteri</i>	G3G4	S1	E	
A planarian	<i>Paraplanaria dactyligera</i>	GNR	S2		
A planarian	<i>Phagocata dissimilis sp. nov.</i>	GNR	SNR		
A planarian	<i>Phagocata projecta sp. nov.</i>	GNR	SNR		
A planarian	<i>Phagocata virilis</i>	GNR	S1		
A planarian	<i>Procotyla typhlops</i>	G1G2	S1	E	
A planarian	<i>Sphalloplana buchanani</i>	G1G2	SNR		
A planarian	<i>Sphalloplana cava sp. nov.</i>	GNR	SNR		
A planarian	<i>Sphalloplana pricei</i>	G2G3	SNR		
A planarian	<i>Sphalloplana sp 1</i>	GNR	S1S2		

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Appendix 3c. Species of Greatest Conservation Need Criteria (key at the end)

Mammals										
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN	BCI
Allegheny woodrat	<i>Neotoma magister</i>	G3G4	S1	E		A		NT	RSGCN	
American mink	<i>Neovison vison</i>	G5	S4			C		LC		
Appalachian cottontail	<i>Sylvilagus obscurus</i>	G4	S1	I		A		NT	RSGCN	
Big brown bat	<i>Eptesicus fuscus</i>	G5	S5			C		LC	RSCGN	
Blue whale	<i>Balaenoptera musculus</i>	G3G4	SNA	E	E	D	1	EN	RSGCN	
Bobcat	<i>Lynx rufus</i>	G5	S3	I		C	2	LC	RSGCN	
Bottlenose dolphin	<i>Tursiops truncatus</i>	G5	SNR			D	2	LC		
Cuvier's beaked whale	<i>Ziphius cavirostris</i>	G4	SNR			D	2	LC		
Delmarva fox squirrel	<i>Sciurus niger cinereus</i>	G5T3	S1	I		A		LC	RSGCN	
Eastern harvest mouse	<i>Reithrodontomys humulis</i>	G5	SH	X		E		LC		
Eastern red bat	<i>Lasiurus borealis</i>	G4	SUB**, SUN**			D		LC	RSGCN	
Eastern small-footed myotis	<i>Myotis leibii</i>	G3G4	S1	E		A		LC	RSGCN	
Eastern spotted skunk	<i>Spilogale putorius</i>	G4	S1			A		LC	RSGCN	
Evening bat	<i>Nycticeius humeralis</i>	G5	SUB**, SUN**			D		LC		
Fin whale	<i>Balaenoptera physalus</i>	G3G4	SNA	E	E	D	1	EN	RSGCN	
Gervais beaked whale	<i>Mesoplodon europaeus</i>	G3	SNR			D	2	DD		
Hoary bat	<i>Lasiurus cinereus</i>	G4	SUB**, SUN**			D		LC	RSGCN	
Humpback whale	<i>Megaptera novaeangliae</i>	G4	SNA	E	E	D	1	LC	RSGCN	
Indiana myotis	<i>Myotis sodalis</i>	G2	S1	E	E	A		EN	RSGCN	EN
Least shrew	<i>Cryptotis parva</i>	G5	S3S5			C		LC	RSGCN	
Least weasel	<i>Mustela nivalis</i>	G5	S2S3	I		B		LC	RSGCN	



Mammals										
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN	BCI
Little brown myotis	<i>Myotis lucifugus</i>	G3G4	S1**			A		LC	RSGCN	
Long-tailed shrew	<i>Sorex dispar</i>	G4	S2	I		B		LC	RSGCN	
North American porcupine	<i>Erethizon dorsatum</i>	G5	S3S4			C		LC		
North Atlantic right whale	<i>Eubalaena glacialis</i>	G1	SNA	E	E	D	1	EN	RSGCN	
Northern long-eared bat	<i>Myotis septentrionalis</i>	G1G2	S1**	T	T	A		LC	RSGCN	
Sei whale	<i>Balaenoptera borealis</i>	G3	SNA	E	E	D	1	EN	RSGCN	
Seminole bat	<i>Lasiurus seminolus</i>	G5	SUB**, SUN**			D		LC		
Silver-haired bat	<i>Lasionycteris noctivagans</i>	G4	SUB**, SUN**			D		LC	RSGCN	
Smoky shrew	<i>Sorex fumeus</i>	G5	S2S3	I		B		LC	RSGCN	
Southeastern myotis	<i>Myotis austroriparius</i>	G3G4	SU**			D		LC		
Southeastern shrew	<i>Sorex longirostris</i>	G5	S3S4			C		LC		
Southeastern star-nosed mole	<i>Condylura cristata parva</i>	G5T4	SU			D			RSGCN	
Southern bog lemming	<i>Synaptomys cooperi</i>	G5	S3			C		LC	RSGCN	
Southern pygmy shrew	<i>Sorex hoyi winnemana</i>	G5T4	S2			B				
Southern rock vole	<i>Microtus chrotorrhinus carolinensis</i>	G4T3	S1	E		A		LC	RSGCN	
Southern water shrew	<i>Sorex palustris punctulatus</i>	G5T3	S1	E		A			RSGCN	
Sperm whale	<i>Physeter catodon</i>	G3G4	SNA	E	E	D	1	VU	RSGCN	
Tricolored bat	<i>Perimyotis subflavus</i>	G3G4	S1**			A			RSGCN	
True's beaked whale	<i>Mesoplodon mirus</i>	G3	SNR			D	2	DD		
Virginia northern flying squirrel	<i>Glaucomys sabrinus fuscus</i>	G5T2	SP			D			RSGCN	

Birds (Part I)													
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN	USFWS MFS	NAWMP	MANEM	SCC
Acadian flycatcher	<i>Empidonax vireescens</i>	G5	S5B			C		LC	RSGCN				
Alder flycatcher	<i>Empidonax alnorum</i>	G5	S2B	I		B		LC					
American bittern	<i>Botaurus lentiginosus</i>	G4	S1B, SIN	T		A		LC	RSGCN			Focal	
American black duck	<i>Anas rubripes</i>	G5	S4B,S5 N			C		LC	RSGCN	Focal	Highest		
American kestrel	<i>Falco sparverius</i>	G5	S4B,S3 N			C	2	LC	RSGCN				
American oystercatcher	<i>Haematopus palliatus</i>	G5	S3B,S2 N			C		LC	RSGCN	Focal			IMA
American peregrine falcon	<i>Falco peregrinus anatum</i>	G4T4	S2	I		B	1	LC	RSGCN				
American redstart	<i>Setophaga ruticilla</i>	G5	S4B			C		LC					
American woodcock	<i>Scolopax minor</i>	G5	S4B,S4 N			C		LC	RSGCN	Focal			MA
Audubon's shearwater	<i>Puffinus lherminieri</i>	G4G5	SNR			D		LC		Focal		Focal	
Bald eagle	<i>Haliaeetus leucocephalus</i>	G5	S4			C	2	LC		Focal			
Bank swallow	<i>Riparia riparia</i>	G5	S3B			C		LC	RSGCN				
Barn owl	<i>Tyto alba</i>	G5	S2	I		B	2	LC	RSGCN				
Bicknell's thrush	<i>Catharus bicknelli</i>	G4	SNA			D		VU	RSGCN	Focal			
Black rail	<i>Laterallus jamaicensis</i>	G3G4	S1	E		A		NT	RSGCN	Focal		Focal	
Black scoter	<i>Melanitta americana</i>	G5	S3N			C		NT			High		
Black skimmer	<i>Rynchops niger</i>	G5	S1B	E		A		LC	RSGCN			Focal	
Black-and-white warbler	<i>Mniotilta varia</i>	G5	S4B			C		LC	RSGCN				
Black-bellied plover	<i>Pluvialis squatarola</i>	G5	S3N			C		LC					MCCV

Birds (Part I)													
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN	USFWS MFS	NAWMP	MANEM	SCC
Blackburnian warbler	<i>Setophaga fusca</i>	G5	S3B			C		LC	RSGCN				
Black-crowned night-heron	<i>Nycticorax nycticorax</i>	G5	S3B,S2 N			C		LC	RSGCN			Focal	
Black-legged kittiwake	<i>Rissa tridactyla</i>	G5	SNR			D		LC					
Black-throated blue warbler	<i>Setophaga caerulescens</i>	G5	S3S4B			C		LC	RSGCN				
Black-throated green warbler	<i>Setophaga virens</i>	G5	S4B			C		LC	RSGCN				
Blue-winged teal	<i>Anas discors</i>	G5	S2B,S3 N			B		LC			Moderate Low		
Blue-winged warbler	<i>Vermivora cyanoptera</i>	G5	S4B			C		LC	RSGCN				
Boat-tailed grackle	<i>Quiscalus major</i>	G5	S4B,S3 N			C		LC					
Bobolink	<i>Dolichonyx oryzivorus</i>	G5	S3S4B			C		LC	RSGCN	Focal			
Brant	<i>Branta bernicla</i>	G5	S4S3N			C		LC			High		
Broad-winged hawk	<i>Buteo platypterus</i>	G5	S3S4B			C	2	LC	RSGCN				
Brown creeper	<i>Certhia americana</i>	G5	S3B,S4 N			C		LC	RSGCN				
Brown pelican	<i>Pelecanus occidentalis</i>	G4	S1B			A		LC					
Canada warbler	<i>Cardellina canadensis</i>	G5	S3B			C		LC	RSGCN				
Canvasback	<i>Aythya valisineria</i>	G5	S3S4N			C		LC			High		
Cerulean warbler	<i>Setophaga cerulea</i>	G4	S3B			C		VU	RSGCN	Focal			
Chimney swift	<i>Chaetura pelagica</i>	G5	S5B			C		NT	RSGCN				
Chuck-will's-widow	<i>Antrostomus carolinensis</i>	G5	S4B			C		LC	RSGCN				



Birds (Part I)													
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN	USFWS MFS	NAWMP	MANEM	SCC
Coastal Plain swamp sparrow	<i>Melospiza georgiana nigrescens</i>	G5T3	S2S3B,SUN	I		A		LC	RSGCN				
Common gallinule	<i>Gallinula galeata</i>	G5	S2S3B	I		B		LC	RSGCN				
Common loon	<i>Gavia immer</i>	G5	S4N			C		LC	RSGCN				
Common merganser	<i>Mergus merganser</i>	G5	S2B,S3S4N			B		LC					
Common nighthawk	<i>Chordeiles minor</i>	G5	S2S3B			B		LC	RSGCN				
Common tern	<i>Sterna hirundo</i>	G5	S1B	E		A		LC	RSGCN			Focal	
Cory's shearwater	<i>Calonectris diomedea</i>	G5	SNR			D		LC					
Dark-eyed junco	<i>Junco hyemalis</i>	G5	S3B,S5N			C		LC					
Dickcissel	<i>Spiza americana</i>	G5	S3B			C		LC	RSGCN				
Dunlin	<i>Calidris alpina</i>	G5	S3N			C		LC					MA
Eastern meadowlark	<i>Sturnella magna</i>	G5	S5B,S3N			C		LC	RSGCN				
Eastern whip-poor-will	<i>Antrostomus vociferus</i>	G5	S3S4B			C		LC	RSGCN				
Forster's tern	<i>Sterna forsteri</i>	G5	S2B,S2N	I		B		LC	RSGCN			Focal	
Gadwall	<i>Anas strepera</i>	G5	S2B,S4N			B		LC			Moderate Low		
Glossy ibis	<i>Plegadis falcinellus</i>	G5	S3B			C		LC				Focal	
Golden eagle	<i>Aquila chrysaetos</i>	G5	S2N			B	2	LC	RSGCN	Focal			
Golden-crowned kinglet	<i>Regulus satrapa</i>	G5	S3B,S4N			C		LC					
Golden-winged warbler	<i>Vermivora chrysoptera</i>	G4	S2B	I		B		NT	RSGCN	Focal			
Grasshopper sparrow	<i>Ammodramus savannarum</i>	G5	S5B			C		LC	RSGCN	Focal			



Birds (Part I)													
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN	USFWS MFS	NAWMP	MANEM	SCC
Great blue heron	<i>Ardea herodias</i>	G5	S5B, S3S4N			C		LC					
Great egret	<i>Ardea alba</i>	G5	S3S4B			C		LC				Focal	
Greater yellowlegs	<i>Tringa melanoleuca</i>	G5	S2S3N			B		LC					LCC
Gull-billed tern	<i>Gelochelidon nilotica</i>	G5	S1B	E		A		LC	RSGCN	Focal		Focal	
Henslow's sparrow	<i>Ammodramus henslowii</i>	G4	S2B	I		B		NT	RSGCN	Focal			
Hooded warbler	<i>Setophaga citrina</i>	G5	S4B			C		LC	RSGCN				
Horned grebe	<i>Podiceps auritus</i>	G5	S4N			C		LC				Focal	
Kentucky warbler	<i>Geothlypis formosa</i>	G5	S4B			C		LC	RSGCN				
King rail	<i>Rallus elegans</i>	G4	S2B,S2N			B		NT	RSGCN	Focal		Focal	
Laughing gull	<i>Leucophaeus atricilla</i>	G5	S1B,S2N			A		LC				Focal	
Leach's storm-petrel	<i>Oceanodroma leucorhoa</i>	G5	SNR			D		LC					
Least bittern	<i>Ixobrychus exilis</i>	G5	S2S3B	I		B		LC	RSGCN			Focal	
Least flycatcher	<i>Empidonax minimus</i>	G5	S3S4B			C		LC					
Least tern	<i>Sternula antillarum</i>	G4	S2B	T		B		LC	RSGCN			Focal	
Lesser yellowlegs	<i>Tringa flavipes</i>	G5	S1N			A		LC					MA
Little blue heron	<i>Egretta caerulea</i>	G5	S3B			C		LC	RSGCN			Focal	
Loggerhead shrike	<i>Lanius ludovicianus</i>	G4	S1B	E		A		LC	RSGCN				
Long-eared owl	<i>Asio otus</i>	G5	S1B, S1N			A	2	LC	RSGCN				



Birds (Part I)													
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN	USFWS MFS	NAWMP	MANEM	SCC
Long-tailed duck	<i>Clangula hyemalis</i>	G5	S4N			C		VU			High		
Louisiana waterthrush	<i>Parkesia motacilla</i>	G5	S5B			C		LC	RSGCN				
Magnolia warbler	<i>Setophaga magnolia</i>	G5	S3S4B			C		LC					
Marsh wren	<i>Cistothorus palustris</i>	G5	S4B,S2 N			C		LC	RSGCN				
Mourning warbler	<i>Geothlypis philadelphia</i>	G5	S1B	E		A		LC					
Nashville warbler	<i>Oreothlypis ruficapilla</i>	G5	S1B	T		A		LC					
Nelson's sparrow	<i>Ammodramus nelsoni</i>	G5	S1N			A		LC					
Northern bobwhite	<i>Colinus virginianus</i>	G5	S4			C		NT	RSGCN				
Northern gannet	<i>Morus bassanus</i>	G5	S3N			C		LC				Focal	
Northern goshawk	<i>Accipiter gentilis</i>	G5	S1B, SAN	E*		A	2	LC	RSGCN				
Northern harrier	<i>Circus cyaneus</i>	G5	S2B,S4 N	I		B	2	LC	RSGCN				
Northern parula	<i>Setophaga americana</i>	G5	S5B			C		LC	RSGCN				
Northern saw-whet owl	<i>Aegolius acadicus</i>	G5	S1B,S1 N			A	2	LC					
Northern waterthrush	<i>Parkesia noveboracensis</i>	G5	S2B	I		B		LC					
Olive-sided flycatcher	<i>Contopus cooperi</i>	G4	SHB	X		E		NT	RSGCN				
Ovenbird	<i>Seiurus aurocapillus</i>	G5	S5B			C		LC					
Pied-billed grebe	<i>Podilymbus podiceps</i>	G5	S2S3B,S 3N			B		LC	RSGCN				
Pine siskin	<i>Spinus pinus</i>	G5	S2B,S1S 3N			B		LC					

Birds (Part I)													
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN	USFWS MFS	NAWMP	MANEM	SCC
Piping plover	<i>Charadrius melodus</i>	G3	S1B	E	T	A		NT	RSGCN				ESA
Prairie warbler	<i>Setophaga discolor</i>	G5	S4B			C		LC	RSGCN				
Prothonotary warbler	<i>Protonotaria citrea</i>	G5	S4B			C		LC	RSGCN				
Red knot	<i>Calidris canutus rufa</i>	G4T2	SNA	T	T	D		LC	RSGCN	Focal			ESA
Red phalarope	<i>Phalaropus fulicarius</i>	G5	SNA			D		LC					
Red-breasted nuthatch	<i>Sitta canadensis</i>	G5	S3B,S3S4N			C		LC					
Red-cockaded woodpecker	<i>Picoides borealis</i>	G3	SHB	X	E	E		NT					
Redhead	<i>Aythya americana</i>	G5	S3S4N			C		LC			Moderate Low		
Red-headed woodpecker	<i>Melanerpes erythrocephalus</i>	G5	S4			C		NT	RSGCN				
Red-necked phalarope	<i>Phalaropus lobatus</i>	G4G5	SNA			D		LC					
Red-throated loon	<i>Gavia stellata</i>	G5	S3S4N			C		LC				Focal	
Roseate tern	<i>Sterna dougallii</i>	G4	SXB,S1N	X	E	E		LC	RSGCN				
Royal tern	<i>Thalasseus maximus</i>	G5	S1B	E		A		LC				Focal	
Ruddy duck	<i>Oxyura jamaicensis</i>	G5	S3N			C		LC			Moderate		
Ruddy turnstone	<i>Arenaria interpres</i>	G5	S2N			B		LC	RSGCN				IMA
Ruffed grouse	<i>Bonasa umbellus</i>	G5	S4			C		LC	RSGCN				
Rusty blackbird	<i>Euphagus carolinus</i>	G4	S2S3N			B		VU	RSCGN	Focal			
Saltmarsh sparrow	<i>Ammodramus caudacutus</i>	G4	S2B,S1N	I		B		VU	RSGCN				

Birds (Part I)													
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN	USFWS MFS	NAWMP	MANEM	SCC
Sanderling	<i>Calidris alba</i>	G5	S3N			C		LC	RSGCN				MA
Sandwich tern	<i>Thalasseus sandvicensis</i>	G5	S1B			A		LC					
Savannah sparrow	<i>Passerculus sandwichensis</i>	G5	S4B,S4N			C		LC					
Scarlet tanager	<i>Piranga olivacea</i>	G5	S5B			C		LC	RSGCN				
Seaside sparrow	<i>Ammodramus maritimus</i>	G4	S4B,S2N			C		LC	RSGCN				
Sedge wren	<i>Cistothorus platensis</i>	G5	S1B	E		A		LC	RSGCN				
Semipalmated sandpiper	<i>Calidris pusilla</i>	G5	SNA			D		NT	RSGCN	Focal			MA
Sharp-shinned hawk	<i>Accipiter striatus</i>	G5	S2S3B,S4N			B	2	LC					
Short-billed dowitcher	<i>Limnodromus griseus</i>	G5	SNA			D		LC					MA
Short-eared owl	<i>Asio flammeus</i>	G5	S1B,S2N	E		A	2	LC	RSGCN				
Snowy egret	<i>Egretta thula</i>	G5	S3B			C		LC	RSGCN			Focal	
Sora	<i>Porzana carolina</i>	G5	S1B,S1N			A		LC	RSGCN				
Spotted sandpiper	<i>Actitis macularius</i>	G5	S3S4B			C		LC					LCC
Surf scoter	<i>Melanitta perspicillata</i>	G5	S4N			C		LC			High		
Swainson's thrush	<i>Catharus ustulatus</i>	G5	SHB	X		E		LC					
Swainson's warbler	<i>Limnithlypis swainsonii</i>	G4	S1B	E		A		LC	RSGCN				
Tricolored heron	<i>Egretta tricolor</i>	G5	S3B			C		LC	RSGCN			Focal	
Upland sandpiper	<i>Bartramia longicauda</i>	G5	S1B	E		A		LC	RSGCN	Focal			LCC
Veery	<i>Catharus fuscescens</i>	G5	S4B			C		LC	RSGCN				

Birds (Part I)													
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN	USFWS MFS	NAWMP	MANEM	SCC
Vesper sparrow	<i>Poocetes gramineus</i>	G5	S4B,S2 N			C		LC	RSGCN				
Wayne's black-throated green warbler	<i>Setophaga virens waynei</i>	G5T3	SUB			D							
Whimbrel	<i>Numenius phaeopus</i>	G5	SNA			D		LC	RSGCN				IMA
White-winged scoter	<i>Melanitta fusca</i>	G5	S2S3N			B		EN		Focal	High		
Willet	<i>Tringa semipalmata</i>	G5	S4B,S2 N			C		LC	RSGCN				MA
Willow flycatcher	<i>Empidonax traillii</i>	G5	S4B			C		LC	RSGCN				
Wilson's plover	<i>Charadrius wilsonia</i>	G5	S1B	E		A		LC		Focal			MA
Winter wren	<i>Troglodytes hiemalis</i>	G5	S2B,S3 N			B		LC					
Wood thrush	<i>Hylocichla mustelina</i>	G5	S5B			C		NT	RSGCN	Focal			
Worm-eating warbler	<i>Helmitheros vermivorum</i>	G5	S4B			C		LC	RSGCN				
Yellow-bellied sapsucker	<i>Sphyrapicus varius</i>	G5	S1B,S3S 4N			A		LC					
Yellow-breasted chat	<i>Icteria virens</i>	G5	S5B			C		LC	RSCGN				
Yellow-crowned night-heron	<i>Nyctanassa violacea</i>	G5	S3S4B			C		LC	RSGCN			Focal	
Yellow-throated vireo	<i>Vireo flavifrons</i>	G5	S4B			C		LC	RSGCN				

Birds (Part II)										
Common name	AFS CBS	BCC-BCR	BCR 28 Priority	BCR 29 Priority	BCR 30 Priority	Tri-NCS	TB PIF	Audubon	SOTB	NAMBCC
Acadian flycatcher			H2 (LB)				3			

Birds (Part II)										
Common name	AFS CBS	BCC-BCR	BCR 28 Priority	BCR 29 Priority	BCR 30 Priority	Tri-NCS	TB PIF	Audubon	SOTB	NAMBCC
Alder flycatcher							2			
American bittern		BCC 30								
American black duck			H1 (WF)	H2 (B,N)	H1 (B,W,M)					
American kestrel							3,4			
American oystercatcher	Focal	BCC 30			H1 (B)				Red	
American peregrine falcon		BCC All 3					5,3			
American redstart							2,3			
American woodcock			H1 (LB)	H2 (N)	H1 (B,W,M)				Yellow	
Audubon's shearwater		BCC 30			H2 (M)			Yellow	Yellow	High
Bald eagle		BCC All 3					3			
Bank swallow							3		CMN SD	
Barn owl							3,4			
Bicknell's thrush			H2 (LB)		H2*(B)	Y	3	Red	Red	
Black rail		BCC 29,30			H1 (B)			Red	Red	
Black scoter					H2 (W,M)					Medium
Black skimmer		BCC 30						Yellow	Yellow	High
Black-and-white warbler					H2 (B)		3			
Black-bellied plover					H2 (W,M)					
Blackburnian warbler							4,3			
Black-crowned night-heron										
Black-legged kittiwake										Medium



Birds (Part II)										
Common name	AFS CBS	BCC-BCR	BCR 28 Priority	BCR 29 Priority	BCR 30 Priority	Tri-NCS	TB PIF	Audubon	SOTB	NAMBCC
Black-throated blue warbler							3			
Black-throated green warbler							3			
Blue-winged teal										
Blue-winged warbler		BCC All 3	H1 (LB)		H1 (B)		3	Yellow		
Boat-tailed grackle							1			
Bobolink							3		Yellow	
Brant					H1 (W,M)					Medium
Broad-winged hawk					H2 (B)		3			
Brown creeper							3			
Brown pelican										Medium
Canada warbler		BCC 28	H2 (LB)			Y	3,4	Yellow	Yellow	
Canvasback					H2 (W,M)					
Cerulean warbler		BCC All 3	H1 (LB)	H2 (B)		Y	4	Yellow	Yellow	
Chimney swift				H2 (B)	H2 (B)		3			
Chuck-will's-widow				H2 (B)			3		Yellow	
Coastal Plain swamp sparrow							2,3			
Common gallinule										
Common loon										High
Common merganser										
Common nighthawk							4		CMN SD	
Common tern										
Cory's shearwater								Yellow		Medium
Dark-eyed junco							2			



Birds (Part II)										
Common name	AFS CBS	BCC-BCR	BCR 28 Priority	BCR 29 Priority	BCR 30 Priority	Tri-NCS	TB PIF	Audubon	SOTB	NAMBCC
Dickcissel							3			
Dunlin					H2 (W,M)				Yellow	
Eastern meadowlark							3		CMN SD	
Eastern whip-poor-will		BCC All 3	H2 (LB)	H2 (B)	H2 (B)		3		Yellow	
Forster's tern					H2 (B,M)					
Gadwall										
Glossy ibis					H2 (B)					
Golden eagle			H2 (LB)							
Golden-crowned kinglet							3,2			
Golden-winged warbler		BCC 30,28	H1 (LB)			Y	4	Red	Yellow	
Grasshopper sparrow				H2 (B)			4		CMN SD	
Great blue heron										
Great egret										
Greater yellowlegs	Focal				H2 (W,M)					
Gull-billed tern		BCC 30			H1 (B)			Yellow	Yellow	High
Henslow's sparrow		BCC All 3	H1 (LB)			Y	4,5	Red	DP: Red	
Hooded warbler			H2 (LB)				3			
Horned grebe		BCC 30			H2 (W,M)					
Kentucky warbler		BCC All 3	H1 (LB)	H2 (B)	H2 (B)		3	Yellow	Yellow	
King rail				H2 (B)				Yellow	Yellow	
Laughing gull										Low
Leach's storm-petrel										Medium
Least bittern		BCC 30								
Least flycatcher							2,3			
Least tern		BCC 30			H2 (B,M)			Red		High
Lesser yellowlegs	Focal	BCC 30							Yellow	



Birds (Part II)										
Common name	AFS CBS	BCC-BCR	BCR 28 Priority	BCR 29 Priority	BCR 30 Priority	Tri-NCS	TB PIF	Audubon	SOTB	NAMBCC
Little blue heron										
Loggerhead shrike		BCC All 3		H2 (B,N)			5		CMN SD	
Long-eared owl							3			
Long-tailed duck					H2 (W,M)					High
Louisiana waterthrush		BCC 28	H2 (LB)		H2 (B)		3			
Magnolia warbler							2			
Marsh wren					H2 (M)		3			
Mourning warbler							3			
Nashville warbler							3			
Nelson's sparrow							3	Yellow		
Northern bobwhite				H2 (B,N)	H2 (B,W)		4		CMN SD	
Northern gannet					H2 (W,M)					High
Northern goshawk			H2 (LB)				3			
Northern harrier							4			
Northern parula							3			
Northern saw-whet owl		BCR 28					4,3			
Northern waterthrush							3			
Olive-sided flycatcher		BCC 28				Y	5	Yellow	Yellow	
Ovenbird							2,3			
Pied-billed grebe		BCC 30								
Pine siskin							3			
Piping plover	Focal				H1 (B,M)			Red		
Prairie warbler		BCC All 3	H1 (LB)	H1 (B)	H1 (B)		3	Yellow	Yellow	

Birds (Part II)										
Common name	AFS CBS	BCC-BCR	BCR 28 Priority	BCR 29 Priority	BCR 30 Priority	Tri-NCS	TB PIF	Audubon	SOTB	NAMBCC
Prothonotary warbler					H2 (B)		3	Yellow	Yellow	
Red knot	Focal	BCC 30			H1 (M)			Yellow	Red	
Red phalarope										Medium
Red-breasted nuthatch							3,2			
Red-cockaded woodpecker				H2 (B)(N)		Y	5	Red	Red	
Redhead										
Red-headed woodpecker		BCC 28,30					4	Yellow	Yellow	
Red-necked phalarope	Focal									High
Red-throated loon		BCC 30			H1 (W,M)				Yellow	
Roseate tern					H1 (B,M)			Yellow	Yellow	High
Royal tern										Medium
Ruddy duck										
Ruddy turnstone	Focal				H1 (M)					
Ruffed grouse							4,5,3			
Rusty blackbird		BCC All 3		H2 (N)	H2* (B)			Yellow		
Saltmarsh sparrow		BCC 30			H1 (B,W,M)	Y	4	Red	Yellow	
Sanderling	Focal				H1 (W,M)			Yellow		
Sandwich tern										Medium
Savannah sparrow							3			
Scarlet tanager					H2 (B)		2,3			
Seaside sparrow		BCC 30			H1 (B,W,M)		3	Red	Yellow	
Sedge wren		BCC All 3					4,5			
Semipalmated sandpiper	Focal	BCC 30			H2 (M)			Yellow	Yellow	
Sharp-shinned hawk							3			

Birds (Part II)										
Common name	AFS CBS	BCC-BCR	BCR 28 Priority	BCR 29 Priority	BCR 30 Priority	Tri-NCS	TB PIF	Audubon	SOTB	NAMBCC
Short-billed dowitcher		BCC 30			H2 (M)				Yellow	
Short-eared owl		BCC 29,30					4	Yellow	CMN SD	
Snowy egret		BCC 30								
Sora										
Spotted sandpiper										
Surf scoter					H2 (B,W,M)					Medium
Swainson's thrush							3			
Swainson's warbler		BCC 28,29	H2 (LB)	H2 (B)			3,4	Yellow		
Tricolored heron										
Upland sandpiper		BCC 28,30	H2 (SB)	H2 (B)						
Veery							3			
Vesper sparrow							4			
Wayne's black-throated green warbler										
Whimbrel	Focal	BCC 30			H1 (M)				Yellow	
White-winged scoter					H2 (W,M)					High
Willet					H2 (B,W,M)				Yellow	
Willow flycatcher					H2 (B)		2	Yellow		
Wilson's plover	Focal	BCC 30			H2 (B)			Yellow	Red	
Winter wren							3			
Wood thrush		BCC All 3	H1 (LB)	H2 (B)	H1 (B)	Y	3	Yellow	Yellow	
Worm-eating warbler		BCC 28,30	H1 (LB)		H2 (B)		3			
Yellow-bellied sapsucker		BCC 28	H2 (LB)				3,2			
Yellow-breasted chat							3,4			



Birds (Part II)										
Common name	AFS CBS	BCC-BCR	BCR 28 Priority	BCR 29 Priority	BCR 30 Priority	Tri-NCS	TB PIF	Audubon	SOTB	NAMBCC
Yellow-crowned night-heron										
Yellow-throated vireo				H2	H2 (B)		3			

Reptiles										
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN	NE PARC
Atlantic hawksbill sea turtle	<i>Eretmochelys imbricata</i>	G3	SNR	E	E	D	1	CR	RSGCN	SC
Bog turtle	<i>Glyptemys muhlenbergii</i>	G3	S2	T	T	A	1	CR	RSGCN	SC R
Coastal Plain milksnake	<i>Lampropeltis triangulum elapsoides X triangulum</i>	GNR	SNR			D				
Eastern box turtle	<i>Terrapene carolina</i>	G5	S5			C	2	VU	RSGCN	SC
Eastern kingsnake	<i>Lampropeltis getula</i>	G5	S5			C		LC		
Eastern ribbonsnake	<i>Thamnophis sauritus</i>	G5	S5			C		LC	RSGCN	
Eastern six-lined racerunner	<i>Aspidoscelis sexlineata</i>	G5	S4			C		LC		PC
Eastern spiny softshell	<i>Apalone spinifera</i>	G5	S1	I		A		LC	RSGCN	HC
Green sea turtle	<i>Chelonia mydas</i>	G3	SNA	T	T	D	1	EN	RSGCN	SC
Kemp's ridley sea turtle	<i>Lepidochelys kempii</i>	G1	S1N	E	E	A	1	CR	RSGCN	SC
Leatherback sea turtle	<i>Dermochelys coriacea</i>	G2	SNA	E	E	D	1	VU	RSGCN	SC
Loggerhead sea turtle	<i>Caretta caretta</i>	G3	S1B,S1N	T	T	A	1	EN	RSGCN	SC
Mole kingsnake	<i>Lampropeltis calligaster rhombomaculata</i>	G5T5	S4			C				PC
Mountain earthsnake	<i>Virginia valeriae pulchra</i>	G5T3T4	S1S2	E		A			RSGCN	LC R

Reptiles										
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN	NE PARC
Northern coal skink	<i>Plestiodon anthracinus</i>	G5	S1	E		A		LC	RSGCN	SC R
Northern diamond-backed terrapin	<i>Malaclemys terrapin terrapin</i>	G4T4Q	S4			C	2	LR/NT	RSGCN	SC R
Northern map turtle	<i>Graptemys geographica</i>	G5	S1	E*		A	3	LC	RSGCN	HC
Northern pinesnake	<i>Pituophis melanoleucus</i>	G4	SH			E		LC		LC
Northern scarletsnake	<i>Cemophora coccinea</i>	G5	S3			C		LC	RSGCN	SC
Plain-bellied watersnake	<i>Nerodia erythrogaster</i>	G5	S2S3			B		LC		LC
Rainbow snake	<i>Farancia erytrogramma</i>	G4	S1	E		A		LC		LC
Red cornsnake	<i>Pantherophis guttatus</i>	G5	S4			C		LC	RSGCN	SC
Smooth greensnake	<i>Opheodrys vernalis</i>	G5	S5**			C		LC	RSGCN	
Spotted turtle	<i>Clemmys guttata</i>	G5	S5**			C	2	EN	RSGCN	SC
Timber rattlesnake	<i>Crotalus horridus</i>	G4	S3			C		LC	RSGCN	SC
Wood turtle	<i>Glyptemys insculpta</i>	G3	S2S3**			A	2	EN	RSGCN	SC R

Amphibians										
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN	NE PARC
Atlantic Coast leopard frog	<i>Lithobates kauffeldi</i>	GNR	SNR			D				
Barking treefrog	<i>Hyla gratiosa</i>	G5	S1	E		A		LC		LC
Carpenter frog	<i>Lithobates virgatipes</i>	G4	S3			C		LC	RSGCN	SC
Common mudpuppy	<i>Necturus maculosus</i>	G5	S1	X		A		LC	RSGCN	HC
Eastern hellbender	<i>Cryptobranchus alleganiensis</i>	G3G4	S1	E		A	3	NT	RSGCN	SC
Eastern mud salamander	<i>Pseudotriton montanus</i>	G5	S2			B		LC	RSGCN	SC
Eastern narrow-mouthed toad	<i>Gastrophryne carolinensis</i>	G5	S1S2	E		A		LC		LC

Amphibians										
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN	NE PARC
Eastern tiger salamander	<i>Ambystoma tigrinum</i>	G5	S2	E		B		LC	RSGCN	SC
Green salamander	<i>Aneides aeneus</i>	G3G4	S2	E		A		NT	RSGCN	SC
Jefferson salamander	<i>Ambystoma jeffersonianum</i>	G4	S3			C		LC		SC R
Mountain chorus frog	<i>Pseudacris brachyphona</i>	G5	S1	E		A		LC	RSGCN	SC
Northern red salamander	<i>Pseudotriton ruber</i>	G5	S5			C		LC	RSCGN	HC R
Northern spring salamander	<i>Gyrinophilus porphyriticus</i>	G5	S4			C		LC	RSCGN	PC
Seal salamander	<i>Desmognathus monticola</i>	G5	S5			C		LC	RSCGN	MC R
Southern two-lined salamander	<i>Eurycea cirrigera</i>	G5	SNR			D		LC		PC
Undetermined siren	<i>Siren sp. 1</i>	GNR	SNR			D				
Upland chorus frog	<i>Pseudacris feriarum</i>	G5	S5**			C		LC		PC
Valley and Ridge salamander	<i>Plethodon hoffmani</i>	G5	S5			C		LC	RSCGN	PC
Wehrle's salamander	<i>Plethodon wehrlei</i>	G4	S2	I		B		LC	RSGCN	LC R

Fishes											
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN	AFS	DNR Fisheries
American brook lamprey	<i>Lethenteron appendix</i>	G4	S1S2	T		A		LC	RSGCN		T
American shad	<i>Alosa sapidissima</i>	G5	S3			C		LC	RSGCN		I
Atlantic sturgeon	<i>Acipenser oxyrinchus</i>	G3	S1	E	E	A	2	NT	RSGCN	V	
Banded sunfish	<i>Enneacanthus obesus</i>	G5	S2			B		LC	RSGCN		
Barndoor skate	<i>Dipturus laevis</i>	G3	SNR			D		EN	RSCGN		
Blackbanded sunfish	<i>Enneacanthus chaetodon</i>	G3G4	S1	E		A		NT	RSGCN	V	E

Fishes											
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN	AFS	DNR Fisheries
Bowfin	<i>Amia calva</i>	G5	S1			A		LC	RSGCN		
Bridle shiner	<i>Notropis bifrenatus</i>	G3	SH	X		E		LC	RSGCN	V	E
Brook trout	<i>Salvelinus fontinalis</i>	G5	S3S4			C			RSGCN		
Checkered sculpin	<i>Cottus sp 7</i>	G4Q	S1S2			A				V	
Chesapeake logperch	<i>Percina bimaculata</i>	G1G2	S1S2	T		A		VU		E	T
Comely shiner	<i>Notropis amoenus</i>	G5	S3			C		LC	RSGCN		T
Flier	<i>Centrarchus macropterus</i>	G5	S1S2	T		A		LC			T
Glassy darter	<i>Etheostoma vitreum</i>	G4G5	S1S2	T		A		LC	RSGCN		T
Hickory shad	<i>Alosa mediocris</i>	G4	S3			C		LC	RSGCN		I
Ironcolor shiner	<i>Notropis chalybaeus</i>	G4	S1	E		A		LC	RSGCN	V	E
Johnny darter	<i>Etheostoma nigrum</i>	G5	S3			C		LC			
Longnose sucker	<i>Catostomus catostomus</i>	G5	SH	X		E		LC	RSGCN		E*
Maryland darter	<i>Etheostoma sellare</i>	GH	SH	E	E	E		EX		XP	E
Mottled sculpin	<i>Cottus bairdii</i>	G5	S3S4			C		LC			
Mud sunfish	<i>Acantharchus pomotis</i>	G4G5	S2	I		B		LC	RSGCN		I
Pearl dace	<i>Margariscus margarita</i>	G4	S1S2	T		A		LC			T
Shortnose sturgeon	<i>Acipenser brevirostrum</i>	G3	S1	E	E	A	1	VU	RSGCN	E	E
Smooth skate	<i>Malacoraja senta</i>	GNR	SNR			D		EN	RSGCN		
Spotfin killifish	<i>Fundulus luciae</i>	G4	S2			B		LC	RSGCN		
Stonecat	<i>Noturus flavus</i>	G5	S1	E		A		LC	RSGCN		E
Stripeback darter	<i>Percina notogramma</i>	G4	S1	E		A		LC	RSGCN		E



Fishes											
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN	AFS	DNR Fisheries
Striped shiner	<i>Luxilus chrysocephalus</i>	G5	S1S2	I		A		LC			I
Swamp darter	<i>Etheostoma fusiforme</i>	G5	S2	I		B		LC	RSGCN		I
Thorny skate	<i>Amblyraja radiata</i>	GNR	SNR		SC	D		VU	RSGCN		
White catfish	<i>Ameiurus catus</i>	G5	SU			D		LC			

Insects											
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN	AFS	DNR Fisheries
Beetles											
A cave beetle	<i>Pseudanophthalmus sp 15</i>	G1	S1			A					
A tenebrionid beetle	<i>Helops cisteloides</i>	GNR	S1			A					
A tenebrionid beetle	<i>Schoenicus puberulus</i>	GNR	S1			A					
A weevil	<i>Apion porosicolle</i>	GNR	SNR			D					
Appalachian tiger beetle	<i>Cicindela ancocisconensis</i>	G3	S1	E		A					RSGCN
Ash seed weevil	<i>Thysanocnemis bischoffi</i>	GNR	SNR			D					
Bethany Beach firefly	<i>Photuris bethaniensis</i>	G1Q	SP			D					
Cow path tiger beetle	<i>Cicindela purpurea</i>	G5	S3			C					
Eastern ash bark beetle	<i>Hylesinus aculeatus</i>	GNR	SNR			D					
Eastern pinebarrens tiger beetle	<i>Cicindela abdominalis</i>	G3G4	S1	E		A					RSGCN
Festive tiger beetle	<i>Cicindela scutellaris</i>	G5	S3			C					
Ghost tiger beetle	<i>Cicindela lepida</i>	G3G4	S1	E		A					RSGCN
Northeastern beach tiger beetle	<i>Cicindela dorsalis dorsalis</i>	G3G4T2	S1	E	T	A					RSGCN
Northern ash bark beetle	<i>Hylesinus criddlei</i>	GNR	SNR			D					
Northern barrens tiger beetle	<i>Cicindela patruela</i>	G3	S1	E		A					RSGCN
One-spotted tiger beetle	<i>Cicindela unipunctata</i>	G4G5	S3			C					RSGCN
Puritan tiger beetle	<i>Cicindela puritana</i>	G1G2	S1S2	E	T	A			EN		RSGCN
Seth forest water scavenger beetle	<i>Hydrochus spangleri</i>	G1	S1	E		A					
Six-banded longhorn beetle	<i>Dryobius sexnotatus</i>	GNR	S1	E		A					
Splendid tiger beetle	<i>Cicindela splendida</i>	G5	S1			A					



Insects									
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN
White tiger beetle	<i>Cicindela dorsalis media</i>	G3G4T3 T4	S1	E		A			RSGCN
White-banded ash bark beetle	<i>Hylesinus fasciatus</i>	GNR	SNR			D			
Bees, Wasps, & Ants									
A cellophane bee	<i>Colletes aestivalis</i>	GNR	SH			E			
A cuckoo bee	<i>Nomada rubicunda</i>	GNR	S1S3			B			
A dolichoderine ant	<i>Dolichoderus taschenbergi</i>	GNR	SNR			D			
A formicine ant	<i>Camponotus impressus</i>	GNR	SNR			D			
A fungus-growing ant	<i>Trachymyrmex septentrionalis</i>	GNR	SNR			D			
A hairy-tongue bee	<i>Lasioglossum arantium</i>	GNR	S2S3			B			
A hairy-tongue bee	<i>Lasioglossum georgeickworti</i>	GNR	SNR			D			
A hairy-tongue bee	<i>Lasioglossum marinum</i>	GNR	SU			D			
A hairy-tongue bee	<i>Lasioglossum nymphale</i>	GNR	S2S3			B			
A hairy-tongue bee	<i>Lasioglossum rahleighense</i>	GNR	SU			D			
A mason bee	<i>Osmia chalybea</i>	G4	S1S3			B			
A mining bee	<i>Andrena braccata</i>	GNR	SU			D			
A mining bee	<i>Andrena fulvipennis</i>	GNR	SU			D			
A mining bee	<i>Protandrena abdominalis</i>	GNR	SU			D			
A myrmicine ant	<i>Leptothorax muscorum</i>	GNR	SNR			D			
A myrmicine ant	<i>Myrmica pinetorum</i>	GNR	SNR			D			
A sweat bee	<i>Dieunomia heteropoda</i>	GNR	SU			D			
A sweat bee	<i>Dieunomia nevadensis</i>	GNR	SU			D			
A temnothorax ant	<i>Temnothorax pergandei</i>	GNR	SNR			D			
An oil-collecting bee	<i>Macropis ciliata</i>	GNR	S1			A			
An oil-collecting bee	<i>Macropis patellata</i>	GNR	SH			E			
American bumble bee	<i>Bombus pensylvanicus</i>	G3G4	SNR			D			
Ashton's cuckoo bumble bee	<i>Bombus ashtoni</i>	GH	SNR			D			
Black and gold bumble bee	<i>Bombus auricomus</i>	G4G5	SU			D		LC	
Blackheaded ash sawfly	<i>Tethida barda</i>	GNR	SNR			D			
Brownheaded ash sawfly	<i>Tomostethus multicinctus</i>	GNR	SNR			D			

Insects									
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN
Half-black bumble bee	<i>Bombus vagans</i>	G4	S3			C			
Lemon cuckoo bumble bee	<i>Bombus citrinus</i>	G4G5	SNR			D			
Macropis cuckoo bee	<i>Epeoloides pilosula</i>	G1	SH			E			
Oak-grove ant	<i>Formica querquetulana</i>	GNR	SNR			D			
Pearly-banded bee	<i>Nomia manei</i>	GNR	S1S3			B			
Rusty-patch bumble bee	<i>Bombus affinis</i>	G1	SNR			D			
Sanderson's bumble bee	<i>Bombus sandersoni</i>	G4G5	S3			C			
Texas temnothorax ant	<i>Temnothorax texanus</i>	GNR	SNR			D			
Variable cuckoo bumble bee	<i>Bombus variabilis</i>	GU	SH			E			
Yellowbanded bumble bee	<i>Bombus terricola</i>	G2G4	SNR			D			
Butterflies & Moths									
A crambid snout moth	<i>Undulambia striatalis</i>	GNR	SNR			D			
A geometrid moth	<i>Apodrepanulatrix liberaria</i>	G3	SU			D			
A geometrid moth	<i>Cyclophora nanaria</i>	G5	SU			D			
A geometrid moth	<i>Euchlaena milnei</i>	G2G4	SNR			D			
A lymantriid moth	<i>Dasychira atrivenosa</i>	G4	SU			D			
A noctuid moth	<i>Amolita roseola</i>	G5	SNR			D			
A noctuid moth	<i>Chytonix sensilis</i>	G4	SNR			D			
A noctuid moth	<i>Hadena ectypa</i>	G3G4	SU			D			
A noctuid moth	<i>Melanapamea mixta</i>	GU	S1			A			
A noctuid moth	<i>Meropleon cosmion</i>	G4	SNR			D			
A noctuid moth	<i>Meropleon titan</i>	G2G4	S2S4			B			
A noctuid moth	<i>Zale curema</i>	G4	S1			A			
A noctuid moth	<i>Zale submediana</i>	G4	S1S3			B			
American chestnut nepticulid moth	<i>Ectoedemia castaneae</i>	GH	SH			E			
Angle winged emerald moth	<i>Chloropteryx tepperaria</i>	G4	SNR			D			
Appalachian blue	<i>Celastrina neglectamajor</i>	G4	S3S4			C			
Aralia shoot borer moth	<i>Papaipema araliae</i>	G3G4	SNR			D			
Ash pyralid	<i>Palpita magniferalis</i>	GNR	SNR			D			
Atlantis fritillary	<i>Speyeria atlantis</i>	G5	S1	T		A			
Aureolaria seed borer moth	<i>Pyrrhia aurantiago</i>	G3G4	SNR			D			

Insects									
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN
Baltimore checkerspot	<i>Euphydryas phaeton</i>	G4	S2			B			
Black dash	<i>Euphyes conspicua</i>	G4	S4			C			
Bog copper	<i>Lycaena epixanthe</i>	G4G5	S1	E		A			
Bold-based zale moth	<i>Zale lunifera</i>	G3G4	SNR			D			
Broad-lined catopyrrha	<i>Erastria coloraria</i>	G3G4	SH			E			
Bronze copper	<i>Lycaena hyllus</i>	G5	S4			C			
Buffalo moth	<i>Parapamea buffaloensis</i>	G4	SNR			D			
Carolina satyr	<i>Hermeuptychia sosybius</i>	G5	S1S3			B			
Chain fern borer moth	<i>Papaipema stenocelis</i>	G4	SNR			D			
Chermock's mulberry wing	<i>Poanes massasoit chermocki</i>	G4T1	S1	E		A			
Cobweb skipper	<i>Hesperia metea</i>	G4	S3			C			
Compton tortoiseshell	<i>Nymphalis vaualbum</i>	G5	S1B	E		A			
Curved halter moth	<i>Capis curvata</i>	G4	S1S2			A			
Cypress sphinx moth	<i>Isoparce cupressi</i>	G4	S1S2			A			
Delaware skipper	<i>Atrytone logan</i>	G5	S3			C			
Dion skipper	<i>Euphyes dion</i>	G4	S3			C			
Doris' tiger moth	<i>Grammia doris</i>	G4	SNR			D			
Dusted Skipper	<i>Atrytonopsis hianna</i>	G4G5	S4**			C			
Early hairstreak	<i>Erora laeta</i>	GU	S1	E		A			
Edwards' hairstreak	<i>Satyrium edwardsii</i>	G4	S1	E		A			
Fingered lemmeria	<i>Lemmeria digitalis</i>	G4	SNR			D			
Franck's sphinx	<i>Sphinx franckii</i>	G4	S1S2			A			
Fringed dart	<i>Eucoptocnemis fimbriaris</i>	G4	SNR			D			
Frosted elfin	<i>Callophrys irus</i>	G3	S1	E		A			
George's midget moth	<i>Elaphria georgei</i>	G4	SU			D			
Giant swallowtail	<i>Papilio cresphontes</i>	G5	S2	I		B			
Graceful clearwing	<i>Hemaris gracilis</i>	G3G4	SNR			D			
Gray comma	<i>Polygonia progne</i>	G4G5	S3			C			
Great purple hairstreak	<i>Atlides halesus</i>	G4G5	S1S2	T		A			
Grote's sallow	<i>Copivaleria grotei</i>	G5	SNR			D			
Harris's checkerspot	<i>Chlosyne harrisii</i>	G4	S2	T		B			
Hessel's hairstreak	<i>Mitoura hesseli</i>	G3G4	SH	X		E			
Hickory hairstreak	<i>Satyrium caryaevorum</i>	G4	S1	E		A			
Hoary elfin	<i>Callophrys polios</i>	G5	S1	E		A			

Insects									
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN
Hydrangea sphinx	<i>Darapsa versicolor</i>	G4	SNR			D			
Indian skipper	<i>Hesperia sassacus</i>	G4G5	S3			C			
King's hairstreak	<i>Satyrium kingi</i>	G3G4	S1	E		A			
Lemmer's noctuid moth	<i>Lithophane lemmeri</i>	G3G4	SNR			D			
Leonard's skipper	<i>Hesperia leonardus</i>	G4	S2			B			
Little beggar	<i>Eubaphe meridiana</i>	G4	SNR			D			
Long dash	<i>Polites mystic</i>	G5	S3			C			
Louisiana owlet moth	<i>Macrochilo louisiana</i>	G4	SNR			D			
Marbled underwing	<i>Catocala marmorata</i>	G3G4	SH			E			
Melsheimer's sack-bearer	<i>Cicinnus melsheimeri</i>	G4	SNR			D			
Mixed dart	<i>Euxoa immixta</i>	G4	SNR			D			
Monarch	<i>Danaus plexippus</i>	G4	S5			C			
Mottled duskywing	<i>Erynnis martialis</i>	G3	S1	E		A			
Mulberry wing	<i>Poanes massasoit massasoit</i>	G4	S4			C			
Newman's brocade	<i>Meropleon ambifusca</i>	G3G4	SNR			D			
Northern crescent	<i>Phyciodes cocyta</i>	G5	SP			D			
Northern hairstreak	<i>Satyrium favonius ontario</i>	G4T4	S1S2	E		A			
Northern metalmark	<i>Calephelis borealis</i>	G3G4	S2	T		A			
Olympia marble	<i>Euchloe olympia</i>	G4G5	S2	I		B			
Palamedes swallowtail	<i>Papilio palamedes</i>	G4	S1	E		A			
Pepper and salt skipper	<i>Amblyscirtes hegon</i>	G5	S2	I		B			
Phleophagan chestnut nepticulid moth	<i>Ectoedemia phleophaga</i>	GH	SH			E			
Phyllira tiger moth	<i>Grammia phyllira</i>	G4	SNR			D			
Pine barrens zanclognatha	<i>Zanclognatha martha</i>	G4	S1S3			B			
Pink sallow	<i>Psectraglaea carnosae</i>	G3	SNR			D			
Pink-edged sulphur	<i>Colias interior</i>	G5	S1			A			
Pitcher plant borer moth	<i>Papaipema appassionata</i>	G4	SNR			D			
Plain schizura	<i>Schizura apicalis</i>	G3G4	SNR			D			
Polymnia stalk borer moth	<i>Papaipema polymniae</i>	G4	SH			E			
Precious underwing	<i>Catocala pretiosa pretiosa</i>	G4T2	SH			E			
Purple plagodis	<i>Plagodis kuetzingi</i>	G5	SNR			D			
Rare skipper	<i>Problema bulenta</i>	G2G3	S1	T		A			

Insects									
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN
Seaside goldenrod stem borer	<i>Papaipema duovata</i>	G4	SU			D			
Silver-bordered fritillary	<i>Boloria selene</i>	G5	S3			C			
Silvery blue	<i>Glaucopsyche lygdamus</i>	G5	S2	I		B			
Sinuuous lytrosis	<i>Lytrosis sinuosa</i>	G4	S1S3			B			
Southern grizzled skipper	<i>Pyrgus wyandot</i>	G1G2Q	S1	E		A		LC	
Southern ptichodis moth	<i>Ptichodis bistrigata</i>	G3	SNR			D			
Speyer's hooded owlet	<i>Cucullia speyeri</i>	G4	SNR			D			
Three-horned moth	<i>Pachypolia atricornis</i>	G3G4	SH			E			
Tuscarora emerald	<i>Nemoria tuscarora</i>	GU	SNR			D			
Two-spotted skipper	<i>Euphyes bimacula</i>	G4	S1	E		A			
Unexpected cyenia	<i>Cycnia inopinatus</i>	G4	SNR			D			
Venus flytrap cutworm	<i>Hemipachnobia subporphyrea</i>	G1	SNR			D			
Violet dart	<i>Euxoa violaris</i>	G4	SNR			D			
West Virginia white	<i>Pieris virginiensis</i>	G3	S1S2			A			
White-tailed diver moth	<i>Bellura gortynoides</i>	G4	SNR			D			
Dragonflies & Damselflies									
Allegheny river cruiser	<i>Macromia alleghaniensis</i>	G4	S2			B			
Amber-winged spreadwing	<i>Lestes eurinus</i>	G4	S3			C			
American emerald	<i>Cordulia shurtleffii</i>	G5	S3			C			
Appalachian jewelwing	<i>Calopteryx angustipennis</i>	G4	S1S2			A		LC	
Appalachian snaketail	<i>Ophiogomphus incurvatus incurvatus</i>	G3T2T3	S1			A		NT	
Arrowhead spiketail	<i>Cordulegaster obliqua</i>	G4	S2			B		LC	
Atlantic bluet	<i>Enallagma doubledayi</i>	G5	S1			A		LC	
Attenuated bluet	<i>Enallagma daeckii</i>	G4	S3			C			
Banded pennant	<i>Celithemis fasciata</i>	G5	S3			C			
Banded spiketail	<i>Cordulegaster obliqua fasciata</i>	G4T3Q	S1			A			
Bar-winged skimmer	<i>Libellula axilena</i>	G5	S3			C			
Beaverpond baskettail	<i>Epitheca canis</i>	G5	S3			C		LC	
Black-tipped darner	<i>Aeshna tuberculifera</i>	G4	S2			B			
Blackwater bluet	<i>Enallagma weewa</i>	G5	S2			B			
Brown spiketail	<i>Cordulegaster bilineata</i>	G5	S3			C			

Insects									
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN
Brush-tipped emerald	<i>Somatochlora walshii</i>	G5	S1			A			
Burgundy bluet	<i>Enallagma dubium</i>	G5	S1			A		LC	
Canada darner	<i>Aeshna canadensis</i>	G5	S2			B		LC	
Chalk-fronted skimmer	<i>Ladona julia</i>	G5	S3			C			
Chesapeake snaketail	<i>Ophiogomphus sp 1</i>	G1	S1			A			
Comet darner	<i>Anax longipes</i>	G5	S3			C		LC	
Common sanddragon	<i>Progomphus obscurus</i>	G5	S3			C			
Coppery emerald	<i>Somatochlora georgiana</i>	G3G4	S1			A		DD	
Crimson-ringed whiteface	<i>Leucorrhinia glacialis</i>	G5	S1			A		LC	
Delta-spotted spiketail	<i>Cordulegaster diastatops</i>	G5	S3S4			C			
Dot-tailed whiteface	<i>Leucorrhinia intacta</i>	G5	S3			C			
Double-ringed pennant	<i>Celithemis verna</i>	G5	S2			B			
Duckweed firetail	<i>Telebasis byersi</i>	G5	S1			A			
Dusky clubtail	<i>Gomphus spicatus</i>	G5	S1			A			
Eastern ringtail	<i>Erpetogomphus designatus</i>	G5	S2			B			
Elfin skimmer	<i>Nannothemis bella</i>	G4	S1	E		A			
Faded pennant	<i>Celithemis ornata</i>	G5	SH			E			
Fine-lined emerald	<i>Somatochlora filosa</i>	G5	S2			B			
Four-spotted pennant	<i>Brachymesia gravida</i>	G5	S3S4			C		LC	
Frosted whiteface	<i>Leucorrhinia frigida</i>	G5	S1			A		LC	
Furtive forktail	<i>Ischnura prognata</i>	G4	S1			A			
Golden-winged skimmer	<i>Libellula auripennis</i>	G5	S3			C			
Gray petaltail	<i>Tachopteryx thoreyi</i>	G4	S3			C		LC	
Green-faced clubtail	<i>Gomphus viridifrons</i>	G3G4	S1			A			
Green-striped darner	<i>Aeshna verticalis</i>	G5	S2			B		NT	
Harlequin darner	<i>Gomphaeschna furcillata</i>	G5	S3S4			C		LC	
Harpoon clubtail	<i>Gomphus descriptus</i>	G4	S1S2			A			
Hudsonian whiteface	<i>Leucorrhinia hudsonica</i>	G5	S1			A			
Laura's clubtail	<i>Stylurus laurae</i>	G4	S2S3			B			
Little blue dragonlet	<i>Erythrodiplax minuscula</i>	G5	S1			A			
Maine snaketail	<i>Ophiogomphus mainensis fastigiatus</i>	G4TU	S1			A			
Mantled baskettail	<i>Epitheca semiaquea</i>	G5	SH			E			
Martha's pennant	<i>Celithemis martha</i>	G4	S1			A		LC	

Insects									
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN
Midland clubtail	<i>Gomphus fraternus</i>	G5	S2			B			
Mocha emerald	<i>Somatochlora linearis</i>	G5	S3S4			C			
Mustached clubtail	<i>Gomphus adelphus</i>	G4	S1			A			
Northern blueth	<i>Enallagma annexum</i>	G5	S1			A			
Northern pygmy clubtail	<i>Lanthus parvulus</i>	G4	S2			B			
Ocellated darner	<i>Boyeria grafiana</i>	G5	S1			A		LC	
Pale blueth	<i>Enallagma pallidum</i>	G4	S1			A			
Petite emerald	<i>Dorocordulia lepida</i>	G5	SH			E			
Piedmont clubtail	<i>Gomphus parvidens</i>	G4	SH	X		E		LC	
Pygmy snaketail	<i>Ophiogomphus howei</i>	G3	S1			A		LC	
Rainbow blueth	<i>Enallagma antennatum</i>	G5	S1			A			
Rapids clubtail	<i>Gomphus quadricolor</i>	G3G4	S2	I		A			
Red-veined pennant	<i>Celithemis bertha</i>	G5	S1			A		LC	
River jewelwing	<i>Calopteryx aequabilis</i>	G5	SR			D		LC	
Riverine clubtail	<i>Stylurus amnicola</i>	G4	SH	X		E		LC	
Robust baskettail	<i>Epitheca spinosa</i>	G4	S1S2			A		DD	
Royal river cruiser	<i>Macromia taeniolata</i>	G5	S3			C			
Rusty snaketail	<i>Ophiogomphus rupinsulensis</i>	G5	S2			B			
Sable clubtail	<i>Gomphus rogersi</i>	G4	S2	I		B			
Seepage dancer	<i>Argia bipunctulata</i>	G4	S3			C			
Selys' sundragon	<i>Helocordulia selysii</i>	G4	S2	T		B			
Skillet clubtail	<i>Gomphus ventricosus</i>	G3	SH	X		E			
Ski-tailed emerald	<i>Somatochlora elongata</i>	G5	S2			B			
Smoky rubyspot	<i>Hetaerina titia</i>	G5	SH			E			
Southern pygmy clubtail	<i>Lanthus vernalis</i>	G4	S2			B			
Southern sprite	<i>Nehalennia integricollis</i>	G5	S1S2			A			
Sparkling jewelwing	<i>Calopteryx dimidiata</i>	G5	S2			B			
Sphagnum sprite	<i>Nehalennia gracilis</i>	G5	S2			B		LC	
Spine-crowned clubtail	<i>Gomphus abbreviatus</i>	G4	S1			A		LC	
Splendid clubtail	<i>Gomphus lineatifrons</i>	G4	S1			A		LC	
Spotted spreadwing	<i>Lestes congener</i>	G5	S3			C		LC	
Spring blue darner	<i>Rhionaeschna mutata</i>	G4	S1	E		A			
Stripe-winged baskettail	<i>Epitheca costalis</i>	G5	S1			A			

Insects									
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN
Stygian shadowdragon	<i>Neurocordulia yamaskanensis</i>	G5	S3			C			
Superb jewelwing	<i>Calopteryx amata</i>	G4	S1S2	T		A			
Sweetflag spreadwing	<i>Lestes forcipatus</i>	G5	S3			C			
Taper-tailed darner	<i>Gomphaeschna antilope</i>	G4	S2			B			
Tiger spiketail	<i>Cordulegaster erronea</i>	G4	S3			C			
Treetop emerald	<i>Somatochlora provocans</i>	G4	S1	E		A			
Tule bluet	<i>Enallagma carunculatum</i>	G5	S1			A		LC	
Uhler's sundragon	<i>Helocordulia uhleri</i>	G5	S3			C		LC	
White corporal	<i>Ladona exusta</i>	G4	S1	E		A			
White-faced meadowhawk	<i>Sympetrum obtrusum</i>	G5	S3			C			
Yellow-sided skimmer	<i>Libellula flavida</i>	G5	S2S3			B			
Zebra clubtail	<i>Stylurus scudderi</i>	G4	S1			A		LC	
Stoneflies, Mayflies, & Caddisflies									
A caddisfly	<i>Ceraclea spongillovorax</i>	G3G4	SNR			D			
A caddisfly	<i>Ceraclea uvalo</i>	G2G4	SNR			D			
A caddisfly	<i>Cernotina pallida</i>	G3G4	SNR			D			
A caddisfly	<i>Cheumatopsyche parentum</i>	G3	SNR			D			
A caddisfly	<i>Hydropsyche hoffmani</i>	G3G4	SNR			D			
A caddisfly	<i>Protophila georgiana</i>	G3G4	SNR			D			
A Scalaris trichopteran	<i>Hydropsyche brunneipennis</i>	G3G4	S3			B			
Aracoma sallfly	<i>Alloperla aracoma</i>	G3	SNR			D			
Dusky sallfly	<i>Alloperla biserrata</i>	G3	SNR			D			
Gaspe sallfly	<i>Utaperla gaspesiana</i>	G3	SNR			D			
Pocahontas sallfly	<i>Sweltsa pocahontas</i>	G2	SNR			D			
Shenandoah needlefly	<i>Megaleuctra flinti</i>	G2	SNR			D			
Shenandoah sallfly	<i>Sweltsa palearata</i>	G2G3	SNR			D			
Other Insects									
Ash bullet gall midge	<i>Dasineura pellex</i>	GNR	SNR			D			
Ash midrib gall midge	<i>Contarinia canadensis</i>	GNR	SNR			D			
Ash plant bug	<i>Tropidosteptes amoenus</i>	GNR	SNR			D			

Insects									
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN
Crabtree cave springtail	<i>Arrhopalites sp 1</i>	GNR	SU			D			
Eastern sedge barrens leafhopper	<i>Limotettix minuendus</i>	G1	S1	E		A			
Pitcher-plant mosquito	<i>Wyeomyia smithii</i>	G5	S2			B			

Other Invertebrates									
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN
Crustaceans & Allies									
A copepod	<i>Acanthocyclops columbiensis</i>	G1	SNR			D			
Acuminate crayfish	<i>Cambarus acuminatus</i>	G4Q	S2	I		B		LC	
Allegheny cave amphipod	<i>Stygobromus allegheniensis</i>	G5	S2S3	I		B			
Allegheny crayfish	<i>Orconectes obscurus</i>	G5	S3			C		LC	
Allegheny spring isopod	<i>Caecidotea alleghenyensis</i>	GNR	S1	E		A			
An amphipod	<i>Crangonyx stagnicolous</i>	G2	SNR			D			
An ostracod	<i>Donnaldsoncythere donnaldsonensis</i>	G3	SNR			D			
Appalachian cave spider	<i>Porhomma cavernicola</i>	G5	S2			B			
Ash flowergall mite	<i>Aceria fraxiniflora</i>	GNR	SNR			D			
Ash key gall mite	<i>Aceria fraxinivorus</i>	GNR	SNR			D			
Ashleaf gall mite	<i>Aceria chondriphora</i>	GNR	SNR			D			
Barrelville amphipod	<i>Stygobromus sp 5</i>	GNR	S1			A			
Biggers' cave amphipod	<i>Stygobromus biggersi</i>	G2G4	S1	E		A			
Capital Area groundwater amphipod	<i>Stygobromus sextarius</i>	G1	S1	E		A			
Cecil groundwater amphipod	<i>Stygobromus caecilius</i>	G1	S1	E		A			
Devils Hole cave amphipod	<i>Stygobromus sp 6</i>	GNR	S1			A			
Digger crayfish	<i>Fallicambarus fodiens</i>	G5	SNR			D		LC	
Feller's groundwater amphipod	<i>Stygobromus felleri</i>	G1	S1	E		A			
Franz's cave amphipod	<i>Stygobromus franzi</i>	G3G4	S2S3	I		A			

Other Invertebrates									
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN
Franz's cave isopod	<i>Caecidotea franzi</i>	G2G4	S1	E		A			
Friendly cave amphipod	<i>Stygobromus amicus</i>	G1	S1	E		A			
Greenbrier cave amphipod	<i>Stygobromus emarginatus</i>	G3	S1	E		A		VU	
Holsinger's cave isopod	<i>Caecidotea holsingeri</i>	G5	S1	E		A			
Horseshoe crab	<i>Limulus polyphemus</i>	G5	SNR			D		LR/NT	
Maus' cave isopod	<i>Caecidotea mausi</i>	G2	S1	E		A			
Norden's groundwater isopod	<i>Caecidotea nordeni</i>	GH	SH	X		E			
Pennsylvania cave crangonyctid	<i>Crangonyx dearolfi</i>	G2	S1	E		A		EN	
Pizzini's amphipod	<i>Stygobromus pizzinii</i>	G3G4	S1			A		VU	
Potomac amphipod	<i>Stygobromus tenuis potomacus</i>	G4T4	S3			C			
Prettyboy groundwater amphipod	<i>Stygobromus paxillus</i>	G1	S1	E		A			
Price's cave isopod	<i>Caecidotea pricei</i>	G5	S3			C			
Rappahannock spring amphipod	<i>Stygobromus foliatus</i>	G2	S1	E		A			
Rock crawfish	<i>Cambarus carinirostris</i>	G5	SNR			D		LC	
Rock Creek groundwater amphipod	<i>Stygobromus kenki</i>	G2	S1	E		A			RSGCN
Roundtop amphipod	<i>Stygobromus sp 14</i>	GNR	S1			A			
Shenandoah Valley cave amphipod	<i>Stygobromus gracilipes</i>	G3G4	S1	E		A			
Snivelys cave spider	<i>Oreonetides sp 1</i>	GNR	SU			D			
Tenuis amphipod	<i>Stygobromus tenuis tenuis</i>	G4T4	SU			D			
Tidewater amphipod	<i>Stygobromus indentatus</i>	G3	S1			A			
Vandel's cave isopod	<i>Caecidotea vandeli</i>	G3G4	S1	E		A			
Snails									
Angular disc	<i>Discus catskillensis</i>	G5	S1			A			
Appalachian springsnail	<i>Fontigens bottimeri</i>	G2G3	S2			A			
Bear creek slitmouth	<i>Stenotrema simile</i>	G2	SU			D			
Blue Ridge springsnail	<i>Fontigens orolibas</i>	G3	S1	E		A		DD	
Cherrystone drop	<i>Hendersonia occulta</i>	G4	S2	I		B			
Chesapeake ambersnail	<i>Oxyloma subeffusum</i>	G3	SNR			D			



Other Invertebrates									
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN
Coastal-plain ambersnail	<i>Oxyloma effusum</i>	G3	SNR			D			
Cylindrically-ornate wood snail	<i>Vertigo ventricosa</i>	G5	SU			D			
Maryland glyph	<i>Glyphyalinia raderi</i>	G2	SH	X		E			
Natural Bridge supercoil	<i>Paravitrea pontis</i>	G3	SNR			D			
Rust glyph	<i>Glyphyalinia picea</i>	G3	SNR			D			
Snowhill ambersnail	<i>Catinella hubrichti</i>	G3	SNR			D			
Spruce knob threetooth	<i>Triodopsis picea</i>	G3	S1			A			
Striped whitelip	<i>Webbhelix multilineata</i>	G5	S1			A			
Freshwater Mussels									
Alewife floater	<i>Anodonta implicata</i>	G5	S3			C		LC	RSGCN
Atlantic spike	<i>Elliptio producta</i>	G3Q	S2	I		A		LC	
Brook floater	<i>Alasmidonta varicosa</i>	G3	S1	E		A		DD	RSGCN
Creeper	<i>Strophitus undulatus</i>	G5	S2	I		B			
Dwarf wedgemussel	<i>Alasmidonta heterodon</i>	G1G2	S1	E	E	A		VU	RSGCN
Eastern lampmussel	<i>Lampsilis radiata</i>	G5	SU			D			RSGCN
Eastern pondmussel	<i>Ligumia nasuta</i>	G4	S1S2			A		LR/NT	RSGCN
Green floater	<i>Lasmigona subviridis</i>	G3	S1	E		A		LC	RSGCN
Northern lance	<i>Elliptio fisheriana</i>	G4	S3			C		LC	RSGCN
Paper pondshell	<i>Utterbackia imbecillis</i>	G5	S3			C		LC	
Tidewater mucket	<i>Leptodea ochracea</i>	G3G4	S1S2			A		NT	RSGCN
Triangle floater	<i>Alasmidonta undulata</i>	G4	S1	E		A		LC	RSGCN
Yellow lampmussel	<i>Lampsilis cariosa</i>	G3G4	SU			D		EN	RSGCN
Yellow lance	<i>Elliptio lanceolata</i>	G2G3	SU			D		LR/NT	
Flatworms									
A planarian	<i>Paraplanaria dactyligera</i>	GNR	S2			B			
A planarian	<i>Phagocata dissimilis sp. nov.</i>	GNR	SNR			D			
A planarian	<i>Phagocata projecta sp. nov.</i>	GNR	SNR			D			
A planarian	<i>Phagocata virilis</i>	GNR	S1			A			
A planarian	<i>Procotyla typhlops</i>	G1G2	S1	E		A			
A planarian	<i>Sphalloplana buchmanani</i>	G1G2	SNR			D			
A planarian	<i>Sphalloplana cava sp. nov.</i>	GNR	SNR			D			



Other Invertebrates									
Common name	Scientific name	G-Rank	S-Rank	State	Federal	Status Group	CITES	IUCN	RSGCN
A planarian	<i>Sphalloplana pricei</i>	G2G3	SNR			D			
A planarian	<i>Sphalloplana sp 1</i>	GNR	S1S2			A			
Hoffmaster's cave planarian	<i>Sphalloplana hoffmasteri</i>	G3G4	S1	E		A			

* = A qualifier denoting the species is listed in a limited geographic area only

** = Proposed State Rank changes

Understanding the Criteria Appendix: Abbreviations and Rankings Guide

ALL TAXA

G-Rank: Global rank; NatureServe’s assessment of the condition of a species across its entire range.

G1 – Critically imperiled; at very high risk of extinction due to extreme rarity or very steep declines

G2 – Imperiled; at high risk of extinction due to very restricted range, very few populations, or steep declines

G3 – Vulnerable; at moderate risk of extinction due to a restricted range, relatively few populations, or recent and widespread declines

G4 – Apparently secure – uncommon but not rare; some cause for long-term concern due to declines or other factors

G5 – Secure; common, widespread, and abundant

GU – Unrankable

GNR – Unranked; global rank not yet assessed

GH – Possibly extinct; known from only historical occurrences but possibility of rediscovery remains

_Q – Containing ‘Q’ indicates questionable or uncertain taxonomic standing

_T – Containing ‘T’ indicates the subspecies is being ranked differently than the full species

S-Rank: State rank; NatureServe’s assessment of the condition of a species across its range within the state of Maryland

S1 – Critically imperiled in the state because of extreme rarity; at high risk of extirpation

S2 – Imperiled in the state due to restricted range, few populations, steep declines, or other factors making the species vulnerable to extirpation

S3 – Vulnerable in the state due to restricted range, few populations, or recent or widespread declines

S4 – Apparently secure; uncommon but not rare with some cause for long-term concern

S5 – Secure; common, widespread, and abundant in the state

SNA – Migratory species; only transient in Maryland

SX – Presumed extirpated in the state

SH – Possibly extirpated; species occurred historically in the state and there is possibility of rediscovery

SU - Unrankable due to lack of information or substantially conflicting information about status or trends

SNR - Unranked; state rank not yet assessed

_B – Containing B at the end of a rank indicates migrant species; subrank refers only to breeding status of the species in Maryland.

_N – Containing N at the end of a rank indicates migrant species; subrank refers only to non-breeding status of the species in Maryland

** – a qualifier indicating the rank is pending and will likely be updated to this in the near future.

State: Legal status of the species in Maryland; these species are listed officially in Maryland’s State Threatened and Endangered Species List, which is part of the State Threatened and Endangered Species regulations (COMAR 08.03.08).

X – Extirpated in the state of Maryland

E – Endangered in Maryland

T – Threatened in Maryland

I – In need of conservation

Federal: Legal status of the species in the U.S as determined by the U.S. Fish and Wildlife Service; these species are listed officially on the federal Endangered Species List.

E – Endangered

T – Threatened

CITES: [The Convention on International Trade in Endangered Species of Wild Fauna and Flora](#) lists species in three appendices, as follows:

Appendix 1: Species that are threatened with extinction and are or may be affected by trade. Commercial trade in wild-caught specimens of these species is illegal (permitted only in exceptional licensed circumstances).

Appendix 2: Species that are not necessarily threatened with extinction, but may become so unless trade in specimens of such species is subject to strict regulation. Also includes species similar in appearance to other CITES listed species.

Appendix 3: Species that are listed after one member country has asked other CITES Parties for assistance in controlling trade in a species. The species are not necessarily threatened with extinction globally.

IUCN: [International Union for Conservation of Nature](#)’s Red List for Threatened Species; assesses the conservation status of species on a global scale in order to highlight taxa threatened with extinction and promote conservation.

EX – Extinct

EW – Extinct in wild

CR – Critically endangered

EN – Endangered

VU – Vulnerable

NT – Near threatened

LC – Least concern

DD – IUCN

LR/NT – Lower Risk/Near Threatened

RSGCN: Included on the Northeast Region’s list of regional species of conservation need

MAMMALS

BCI: Bat Conservation International’s ranking of priority bat species, from BCI’s [2013 Five Year Strategy for Bat Conservation](#), ranks bat species globally as critically endangered (CR), endangered (EN), near threatened (NT), and least concern (LC).

BIRDS

USFWS MFS: [U.S. Fish and Wildlife Service’s Migratory Bird Program](#) identifies **Focal Species**, a subset of birds named in the list of Birds of Management Concern (BMC). BMC species are a subset of the species protected by the Migratory Bird Treaty Act, so Focal Species are selected from these lists based on high conservation need or as representing species with similar conservation need, as important species for partnerships, and as species whose needs can be realistically addressed.

NAWMP: [North American Waterfowl Management Plan](#); first signed in 1986 by Canada and the United States and later joined by Mexico, focuses on regional waterfowl conservation supported by migratory bird joint ventures. The [2004 Implementation Plan](#) addition to the plan ranked conservation need for waterfowl species across North American Waterfowl Conservation Regions (WCR), and the 2012 revision includes updated information and renewed vision for the international partnership. The 2004 Plan ranked waterfowl conservation need by combining geographic importance with continental priority to prioritize species by breeding importance, breeding need, non-breeding importance, and non-breeding need. The 2015 SWAP revision used rankings for non-breeding need for birds in WCR 28, 29, and 30. Rankings are based on the following matrix:

Geographic Importance	Continental Priority			
	High	Moderately high	Moderate	Moderately low/Above Objective
High	Highest	High	High	High
Moderately high	High	Moderately high	Moderately high	Moderate
Moderately low	Moderate	Moderately low	Moderately low	Low

MANEM: Mid-Atlantic/New England/Maritimes Regional Working Group, which included nearly 200 wildlife managers, scientists, policy makers, educators and funders as partners, developed a waterbird conservation plan (2006-2010) which identifies **Focal Species** in the Mid-Atlantic/New England region as species in need of immediate conservation action and in some cases as management needs.

SCC: Shorebirds of Conservation Concern in the United States (2015) was a reassessment of shorebird populations based on Partners in Flight monitoring methodology. Conservation categories were assigned to each species to describe conservation status as follows:

ESA-listed (ESA) – Species listed under federal Endangered Species Act; plans are already extant or being developed.

Watch List (WL) – ranked highly as species of conservation concern, based on mathematical formula. WL includes the categories **Immediate Management Action (IMA)**, **Management Action (MA)**, and **Long-term Planning and Responsibility (PR)**.

Climate Change Vulnerability (CC) – WL species that ranked highly for climate change vulnerability were designated extremely or highly vulnerable to climate change. Non-WL species that ranked for climate change vulnerability were designated **Moderate Climate Change Vulnerability (MCCV)**.

Least Conservation Concern (LCC) - A shorebird population that does not meet the criteria for Watch List 2014 or increased climate change vulnerability.



AFS CBS: The [Atlantic Flyway Shorebird Conservation Business Strategy](#) selected fifteen focal shorebird species to represent an array of regional ecologies and habitats throughout the Atlantic Flyway. **Focal Species** elections were based on conservation status, with some species chosen to represent species that share conservation needs.

BCC-BCR: U.S. Fish and Wildlife Service’s 2008 [Birds of Conservation Concern](#) identified birds in need of conservation in each of the 35 Bird Conservation Regions (BCRs) in the U.S. These designations are intended to guide conservation planning and partnerships. Maryland includes BCR 28, 29, and 30, which are guided by the Appalachian Mountain Joint Venture (BCR 28) and Atlantic Coast Joint Venture (BCR 29 and BCR 30).

BCR 28 Priority, BCR 29 Priority, and BCR 30 Priority: The Appalachian Mountain Joint Venture program (BCR 28) and two Atlantic Coast Joint Venture programs (BCR 29, and BCR 30) that have territory in Maryland maintain lists of Priority Bird Species of Conservation Concern. Rankings are denoted as follows:

- | | |
|-----------------------|-----------------|
| H1 – Highest priority | LB – Landbirds |
| H2 – High priority | SB - Shorebirds |
| | WB – Waterbirds |
| | WF – Waterfowl |

Tri-NCS: The Partners in Flight [Tri-National Vision for Landbird Conservation](#) assessed conservation status for landbirds in the continental U.S., Canada, and Mexico, identifying 148 species that face high or severe threats and have declining populations. Species of high tri-national concern are indicated with a ‘Y’.

TB PIF: Threats to Breeding; Partners in Flight ranked bird species based on their vulnerability to current or future conditions that threaten the ability of populations to survive and reproduce in breeding areas in North America. A numerical scale indicates vulnerability to conditions that threaten breeding.

- 1 – Future conditions for breeding (TB-c) or non-breeding (TN-c) populations are expected to improve.
- 2 – Future conditions for TB-c or TN-c populations are expected to remain stable.
- 3 – Slight to moderate decline in future suitability of TB-c or TN-c conditions is expected.
- 4 - Severe deterioration in the future suitability of TB-c or TN-c conditions is expected.
- 5 - Extreme deterioration in the future suitability of TB-c or TN-c conditions is expected; species is in danger of extirpation from substantial portions of range leading to a major range contraction, or has a low probability of successful reintroduction across a substantial former range.

Audubon: Audubon’s 2007 Watchlist includes Red and Yellow lists. Red-listed species, typically species of global conservation concern, are declining rapidly and/or have very small populations or limited ranges, and face major conservation threats. Yellow-listed species, typically of national conservation concern, are species that are either declining or rare.

SOTB: The 2014 State of the Birds Report includes a watch list of the 233 U.S. bird species most in need of conservation action. The list was developed by a team of scientists from the North American Bird Conservation Initiative and is categorized as follows:

- Red - Species with extremely high vulnerability due to small population, small range, high threats, and rangewide declines.
- Yellow - Species that are either range restricted (small range and population) or are more widespread but with troubling declines and high threats.
- DP Red – Distinct populations
- CMN SD - Common Species in Steep Decline

NAMBCC: Northwestern Atlantic Marine Bird Conservation Cooperative developed a Marine Bird Species of Concern list for use in the Northwestern Atlantic region's State Wildlife Action Plans. Degree of concern was combined with degree of responsibility in the Northwest Atlantic region to designate low, medium, and high conservation concern rankings.

REPTILES & AMPHIBIANS

NE PARC: Partners in Amphibian and Reptile Conservation developed a listing of [Northeast Amphibian and Reptile Species of Regional Responsibility and Conservation Concern](#), which bases concern rankings on percentages of states listing the species in their State Wildlife Action Plans and distribution and range of species. Rankings are noted as follows:

- SC – Severe concern; $\geq 75\%$ of NE states listed in SWAP
- HC – High concern; $\geq 50\%$ of NE states listed in SWAP
- MC – Moderate concern; $\geq 25\%$ of states listed in SWAP
- LC – Low concern; $< 25\%$ of states listed in SWAP
- PC – Possible concern; possible high responsibility including potential endemism
- R – Indicates NE responsibility; Northeast comprises $> 50\%$ of U.S./Canada distribution

FISHES

AFS: American Fisheries Society has identified priority species statuses, as follows:

- E – Endangered
- T – Threatened
- V – Vulnerable
- SC – Special Concern
- CS – Currently Stable
- XP – Possibly Extinct

DNR Fisheries: MD DNR Fisheries Service establishes conservation statuses independent of state legal status as follows:

- E = Endangered
- E* = Endangered Extirpated
- T = Threatened
- I = In Need of Conservation

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Appendix 3d. Wildlife Diversity Sources of Information

This appendix provides additional information on how the data in the Wildlife Diversity of Maryland table in Chapter 3 were derived and how they should be interpreted. The values for the number of taxa in the various columns were mostly developed from a single source: the numbers for SGCN, State listed, Federally listed, State rare (S1 – S3), and Globally rare (G1-G3) species all came from the MD DNR’s Natural Heritage Program database. The number of state listed species includes some, but not all that are listed in COMAR 08.02.12 due to taxonomic group listing within this section of COMAR (e.g., sharks). Global ranks are maintained by NatureServe; 2014 data were used for this document.

The values for the Total number of species that occur in Maryland for each of the taxa groups came from a number of different sources. These values are known to have varying degrees of accuracy in relation to “true” or “absolute” values. In general, more is known about the distribution of vertebrates than of invertebrates, and within these two main groups, more is known about certain species groups (e.g., birds) than others (e.g., fishes).

The number of Maryland species for most invertebrate taxonomic groups are virtually unknown. For example, the number of species of beetles that have been documented as occurring in Maryland is only 1,797, as reported on the Maryland Biodiversity Project website (<http://www.marylandbiodiversity.com/>) as of July 2015. Although this source may be the most comprehensive single source of compiled, publicly-available information for this insect order, it is estimated by Maryland coleopterists that the actual number of species within the State may exceed 15,000 species. Also, the confidence in the accuracy of the numbers of some of these taxa groups is often not very well known. These numbers continually change as field researchers discover new species within Maryland’s borders. Taxonomists are relying more and more on the use of DNA analysis to determine the taxonomic classification of species and subspecies (i.e., which ones should be split into separate species or lumped together into a single species). Thus, the Total numbers in the table are only a snapshot record of our best knowledge of what has been reported or documented to date, even for the best known species groups.

The values in the Total column are intended to include only native species; however, it is often difficult to determine with certainty, especially among invertebrates, which are native or exotic. Subspecies are generally not included; some may be included when the subspecies are considered rare in Maryland. Major sources of data listed in the table below include the [Maryland Biodiversity Project \(MBP\)](#) website and the [NatureServe Explorer \(NSE\)](#) website. Some of the estimated numbers have been generalized or have been combined from multiple sources. All Total numbers are based on the sources listed in the table below.

Taxa	Sources for Taxa Totals and Comments
VERTEBRATES	
Mammals	MDDNR; NSE; MBP
Birds	Maryland Ornithological Society
Reptiles	MD DNR; Natural History Society of MD
Amphibians	MD DNR; Natural History Society of MD
Fishes	MD DNR. Total includes primarily freshwater species and species found in nearshore habitats of the Chesapeake and Coastal Bays. Hundreds of additional estuarine and marine fish species have not been included.
SELECT INVERTEBRATES	
INSECTS	
Beetles	Dr. Charles Staines; Dr. Warren Steiner



Taxa	Sources for Taxa Totals and Comments
Bees, Wasps and Ants	Bees: 425 reported by Sam Droege, USGS Bee Inventory and Monitoring Lab Ants: 140 reported by Dr. Timothy Foard Wasps: 1,300 reported by MBP
Butterflies and Moths	Butterflies: 157 reported by MBP; Dr. Richard Smith Moths: > 2,000 reported by John Glaser, Dr. Paul Goldstein (NMNH)
Dragonflies and Damselflies	Dr. Richard Orr; MDDNR; NSE
Stoneflies, Mayflies and Caddisflies	Stoneflies: 106 reported by Patrick Graves (MDDNR-RAS) Mayflies: 77 reported by Patrick Graves (MDDNR-RAS) Caddisflies: 106 reported by NSE
Other Insects	This category contains a few additional insect orders with known rare or declining GCN species. Because these orders were not extensively researched to determine all potential GCN species, totals have not been included.
OTHER INVERTEBRATES	
Crustaceans and Allies	This category contains a few groups with known rare or declining GCN species. Because these groups were not extensively researched to determine all potential GCN species, totals have not been included.
Snails	NSE; MBP. Total includes only freshwater and land snails.
Freshwater Mussels	MDDNR; MBP; NSE. Total includes only species in the Unionidae family.
Flatworms	MDDNR; MBP



Appendix 3e. Species Added to the 2005 Species of Greatest Conservation Need List for the 2015 State Wildlife Action Plan

Common Name	Scientific Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
Maryland SGCN Mammals (11)					
American mink	<i>Neovison vison</i>	G5	S4		
Big brown bat	<i>Eptesicus fuscus</i>	G5	S5		
Bottlenose dolphin	<i>Tursiops truncatus</i>	G5	SNR		
Cuvier's beaked whale	<i>Ziphius cavirostris</i>	G4	SNR		
Evening bat	<i>Nycticeius humeralis</i>	G5	SUB** SUN**		
Gervais beaked whale	<i>Mesoplodon europaeus</i>	G3	SNR		
Little brown myotis	<i>Myotis lucifugus</i>	G3G4	S1**		
Northern long-eared bat	<i>Myotis septentrionalis</i>	G1G2	S1	T	T
Seminole bat	<i>Lasiurus seminolus</i>	G5	SUB** SUN**		
Tricolored bat	<i>Perimyotis subflavus</i>	G3G4	S1**		
True's beaked whale	<i>Mesoplodon mirus</i>	G3	SNR		

Maryland SGCN Birds (24)

American kestrel	<i>Falco sparverius</i>	G5	S4B,S3N		
Audubon's shearwater	<i>Puffinus lherminieri</i>	G4G5	SNR		
Black scoter	<i>Melanitta americana</i>	G5	S3N		
Black-legged kittiwake	<i>Rissa tridactyla</i>	G5	SNR		
Blue-winged teal	<i>Anas discors</i>	G5	S2B,S3N		
Chimney swift	<i>Chaetura pelagica</i>	G5	S5B		
Common merganser	<i>Mergus merganser</i>	G5	S2B,S3S4N		
Cory's shearwater	<i>Calonectris diomedea</i>	G5	SNR		
Gadwall	<i>Anas strepera</i>	G5	S2B,S4N		
Leach's storm-petrel	<i>Oceanodroma leucorhoa</i>	G5	SNR		
Lesser yellowlegs	<i>Tringa flavipes</i>	G5	S1N		
Long-tailed duck	<i>Clangula hyemalis</i>	G5	S4N		
Nelson's sparrow	<i>Ammodramus nelsoni</i>	G5	S1N		
Pine siskin	<i>Spinus pinus</i>	G5	S2B,S1S3N		
Red phalarope	<i>Phalaropus fulicarius</i>	G5	SNA		
Redhead	<i>Aythya americana</i>	G5	S3S4N		
Red-necked phalarope	<i>Phalaropus lobatus</i>	G5	SNA		
Ruffed grouse	<i>Bonasa umbellus</i>	G5	S4		
Rusty blackbird	<i>Euphagus carolinus</i>	G4	S2S3N		

* = a qualifier denoting the species is listed in a limited geographic area only

** = Proposed State Rank changes

Sora	<i>Porzana carolina</i>	G5	S1B,S1N		
Spotted sandpiper	<i>Actitis macularius</i>	G5	S3S4B		
Surf scoter	<i>Melanitta perspicillata</i>	G5	S4N		
White-winged scoter	<i>Melanitta fusca</i>	G5	S2S3N		
Yellow-breasted chat	<i>Icteria virens</i>	G5	S5B		

Maryland SGCN Reptiles (5)

Coastal Plain milksnake	<i>Lampropeltis triangulum elapsoides X triangulum</i>	GNR	SNR		
Eastern kingsnake	<i>Lampropeltis getula</i>	G5	S5		
Eastern six-lined racerunner	<i>Aspidoscelis sexlineata</i>	G5	S4		
Mole kingsnake	<i>Lampropeltis calligaster rhombomaculata</i>	G5T5	S4		
Smooth greensnake	<i>Opheodrys vernalis</i>	G5	S5**		

Maryland SGCN Amphibians (6)

Atlantic Coast leopard frog	<i>Rana kauffeldi</i>	GNR	SNR		
Northern spring salamander	<i>Gyrinophilus porphyriticus</i>	G5	S4		
Southern two-lined salamander	<i>Eurycea cirrigera</i>	G5	SNR		
Upland chorus frog	<i>Pseudacris feriarum</i>	G5	S5**		
Undetermined siren	<i>Siren sp. 1</i>	GNR	SNR		
Valley and Ridge salamander	<i>Plethodon hoffmani</i>	G5	S5		

Maryland SGCN Fishes (3)

Barndoor skate	<i>Dipturus laevis</i>	G3	SNR		
Smooth skate	<i>Malacoraja senta</i>	GNR	SNR		
Thorny skate	<i>Amblyraja radiata</i>	GNR	SNR		SC

Maryland SGCN Insects (127)

Beetles (7)

Ash seed weevil	<i>Thysanocnemis bischoffi</i>	GNR	SNR		
Eastern ash bark beetle	<i>Hylesinus aculeatus</i>	GNR	SNR		
Northern ash bark beetle	<i>Hylesinus criddlei</i>	GNR	SNR		
White-banded ash bark beetle	<i>Hylesinus fasciatus</i>	GNR	SNR		
A tenebrionid beetle	<i>Helops cisteloides</i>	GNR	S1		
A tenebrionid beetle	<i>Schoenicus puberulus</i>	GNR	S1		

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** = Proposed State Rank changes



A weevil	<i>Apion porosicolle</i>	GNR	SNR		
Bees, Wasps and Ants (36)					
American bumble bee	<i>Bombus pensylvanicus</i>	G3G4	SNR		
An oil-collecting bee	<i>Macropis ciliata</i>	GNR	S1		
An oil-collecting bee	<i>Macropis patellata</i>	GNR	SH		
Ashton's cuckoo bumble bee	<i>Bombus ashtoni</i>	GH	SNR		
Black and gold bumble bee	<i>Bombus auricomus</i>	G4G5	SU		
Blackheaded ash sawfly	<i>Tethida barda</i>	GNR	SNR		
Brownheaded ash sawfly	<i>Tomostethus multicinctus</i>	GNR	SNR		
Half-black bumble bee	<i>Bombus vagans</i>	G4	S3		
Lemon cuckoo bumble bee	<i>Bombus citrinus</i>	G4G5	SNR		
Macropis cuckoo bee	<i>Epeoloides pilosula</i>	G1	SH		
Oak-grove ant	<i>Formica querquetulana</i>	GNR	SNR		
Pearly-banded bee	<i>Nomia manei</i>	GNR	S1S3		
Rusty-patch bumble bee	<i>Bombus affinis</i>	G1	SNR		
Sanderson's bumble bee	<i>Bombus sandersoni</i>	G4G5	S3		
Texas temnothorax ant	<i>Temnothorax texanus</i>	GNR	SNR		
Variable cuckoo bumble bee	<i>Bombus variabilis</i>	GU	SH		
Yellowbanded bumble bee	<i>Bombus terricola</i>	G2G4	SNR		
A cellophane bee	<i>Colletes aestivalis</i>	GNR	SH		
A cuckoo bee	<i>Nomada rubicunda</i>	GNR	S1S3		
A dolichoderine ant	<i>Dolichoderus taschenbergi</i>	GNR	SNR		
A formicine ant	<i>Camponotus impressus</i>	GNR	SNR		
A fungus-growing ant	<i>Trachymyrmex septentrionalis</i>	GNR	SNR		
A hairy-tongue bee	<i>Lasioglossum arantium</i>	GNR	S2S3		
A hairy-tongue bee	<i>Lasioglossum georgeickworti</i>	GNR	SNR		
A hairy-tongue bee	<i>Lasioglossum marinum</i>	GNR	SU		
A hairy-tongue bee	<i>Lasioglossum nymphale</i>	GNR	S2S3		
A hairy-tongue bee	<i>Lasioglossum rahleighense</i>	GNR	SU		
A mason bee	<i>Osmia chalybea</i>	G4	S1S3		
A mining bee	<i>Andrena braccata</i>	GNR	SU		
A mining bee	<i>Andrena fulvipennis</i>	GNR	SU		
A mining bee	<i>Protandrena abdominalis</i>	GNR	SU		
A myrmicine ant	<i>Leptothorax muscorum</i>	GNR	SNR		
A myrmicine ant	<i>Myrmica pinetorum</i>	GNR	SNR		
A sweat bee	<i>Dieunomia heteropoda</i>	GNR	SU		
A sweat bee	<i>Dieunomia nevadensis</i>	GNR	SU		
A temnothorax ant	<i>Temnothorax pergandei</i>	GNR	SNR		
Butterflies and Moths (52)					
Angle winged emerald moth	<i>Chloropteryx tepperaria</i>	G4	SNR		

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Aralia shoot borer moth	<i>Papaipema araliae</i>	G3G4	SNR		
Ash pyralid	<i>Palpita magniferalis</i>	GNR	SNR		
Aureolaria seed borer moth	<i>Pyrrhia aurantiago</i>	G3G4	SNR		
Black dash	<i>Euphyes conspicua</i>	G4	S4		
Bold-based zale moth	<i>Zale lunifera</i>	G3G4	SNR		
Broad-lined catopyrrha	<i>Erastria coloraria</i>	G3G4	SH		
Bronze copper	<i>Lycaena hyllus</i>	G5	S4		
Buffalo moth	<i>Parapamea buffaloensis</i>	G4	SNR		
Chain fern borer moth	<i>Papaipema stenocelis</i>	G4	SNR		
Curved halter moth	<i>Capis curvata</i>	G4	S1S2		
Delaware skipper	<i>Atrytone logan</i>	G5	S3		
Doris' tiger moth	<i>Grammia doris</i>	G4	SNR		
Dusted Skipper	<i>Atrytonopsis hianna</i>	G4G5	S4**		
Fingered lemmeria	<i>Lemmeria digitalis</i>	G4	SNR		
Franck's sphinx	<i>Sphinx franckii</i>	G4	S1S2		
Fringed dart	<i>Eucoptocnemis fimbriaris</i>	G4	SNR		
George's midget moth	<i>Elaphria georgei</i>	G4	SU		
Graceful clearwing	<i>Hemaris gracilis</i>	G3G4	SNR		
Grote's sallow	<i>Copivaleria grotei</i>	G5	SNR		
Hydrangea sphinx	<i>Darapsa versicolor</i>	G4?	SNR		
Lemmer's noctuid moth	<i>Lithophane lemmeri</i>	G3G4	SNR		
Leonard's skipper	<i>Hesperia leonardus</i>	G4	S2		
Little beggar	<i>Eubaphe meridiana</i>	G4	SNR		
Louisiana owlet moth	<i>Macrochilo louisiana</i>	G4	SNR		
Melsheimer's sack-bearer	<i>Cicinnus melsheimeri</i>	G4	SNR		
Mixed dart	<i>Euxoa immixta</i>	G4	SNR		
Monarch	<i>Danaus plexippus</i>	G4	S5		
Mulberry wing	<i>Poanes massasoit massasoit</i>	G4	S4		
Newman's brocade	<i>Meropleon ambifusca</i>	G3G4	SNR		
Phyllira tiger moth	<i>Grammia phyllira</i>	G4	SNR		
Pink sallow	<i>Psectraglaea carnosa</i>	G3	SNR		
Pitcher plant borer moth	<i>Papaipema appassionata</i>	G4	SNR		
Plain schizura	<i>Schizura apicalis</i>	G3G4	SNR		
Polymnia stalk borer moth	<i>Papaipema polymniae</i>	G4?	SH		
Purple plagodis	<i>Plagodis kuetzingi</i>	G5	SNR		
Sinuuous lytrosis	<i>Lytrosis sinuosa</i>	G4	S1S3		
Southern ptichodis moth	<i>Ptichodis bistrigata</i>	G3	SNR		
Speyer's hooded owlet	<i>Cucullia speyeri</i>	G4	SNR		
Tuscarora emerald	<i>Nemoria tuscarora</i>	GU	SNR		

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Unexpected cycnia	<i>Cycnia inopinatus</i>	G4	SNR		
Venus flytrap cutworm	<i>Hemipachnobia subporphyrea</i>	G1	SNR		
Violet dart	<i>Euxoa violaris</i>	G4	SNR		
White-tailed diver moth	<i>Bellura gortynoides</i>	G4	SNR		
A crambid snout moth	<i>Undulambia striatalis</i>	GNR	SNR		
A geometrid moth	<i>Apodrepanulatrix liberaria</i>	G3	SU		
A geometrid moth	<i>Euchlaena milnei</i>	G2G4	SNR		
A lymantriid moth	<i>Dasychira atrivenosa</i>	G4	SU		
A noctuid moth	<i>Amolita roseola</i>	G5	SNR		
A noctuid moth	<i>Chytonix sensilis</i>	G4	SNR		
A noctuid moth	<i>Meropleon cosmion</i>	G4	SNR		
A noctuid moth	<i>Zale submediana</i>	G4	S1S3		
Dragonflies and Damselflies (15)					
Appalachian jewelwing	<i>Calopteryx angustipennis</i>	G4	S1S2		
Banded pennant	<i>Celithemis fasciata</i>	G5	S3		
Banded spiketail	<i>Cordulegaster obliqua fasciata</i>	G4T3Q	S1		
Brush-tipped emerald	<i>Somatochlora walshii</i>	G5	S1		
Coppery emerald	<i>Somatochlora georgiana</i>	G3G4	S1		
Double-ringed pennant	<i>Celithemis verna</i>	G5	S2		
Duckweed firetail	<i>Telebasis byersi</i>	G5	S1		
Dusky clubtail	<i>Gomphus spicatus</i>	G5	S1		
Frosted whiteface	<i>Leucorrhinia frigida</i>	G5	S1		
Furtive forktail	<i>Ischnura prognata</i>	G4	S1		
Maine snaketail	<i>Ophiogomphus mainensis fastigiatus</i>	G4TU	S1		
Mustached clubtail	<i>Gomphus adelphus</i>	G4	S1		
Northern bluet	<i>Enallagma annexum</i>	G5	S1		
Pygmy snaketail	<i>Ophiogomphus howei</i>	G3	S1		
Red-veined pennant	<i>Celithemis bertha</i>	G5	S1		
Stoneflies, Mayflies and Caddisflies (14)					
Aracoma sallfly	<i>Alloperla aracoma</i>	G3	SNR		
Dusky sallfly	<i>Alloperla biserrata</i>	G3	SNR		
Gaspe sallfly	<i>Utaperla gaspesiana</i>	G3	SNR		
Pocahontas sallfly	<i>Sweltsa pocahontas</i>	G2	SNR		
Shenandoah needlefly	<i>Megaleuctra flinti</i>	G2	SNR		
Shenandoah sallfly	<i>Sweltsa palearata</i>	G2G3	SNR		
Speith's great speckled olive mayfly	<i>Siphloplecton costalense</i>	G2G4	SNR		
A caddisfly	<i>Ceraclea spongillovorax</i>	G3G4	SNR		
A caddisfly	<i>Ceraclea uvalo</i>	G2G4	SNR		

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A caddisfly	<i>Cernotina pallida</i>	G3G4	SNR		
A caddisfly	<i>Cheumatopsyche parentum</i>	G3	SNR		
A caddisfly	<i>Hydropsyche hoffmani</i>	G3G4	SNR		
A caddisfly	<i>Protoptila georgiana</i>	G3G4	SNR		
A Scalaris trichopteran	<i>Hydropsyche brunneipennis</i>	G3G4	S3		
Other Insects (3)					
Ash bullet gall midge	<i>Dasineura pellex</i>	GNR	SNR		
Ash midrib gall midge	<i>Continaria canadensis</i>	GNR	SNR		
Ash plant bug	<i>Tropidosteptes amoenus</i>	GNR	SNR		

Maryland SGCN Other Invertebrates (26)

Crustaceans and Allies (16)					
Ash flowergall mite	<i>Aceria fraxiniflora</i>	GNR	SNR		
Ash key gall mite	<i>Aceria fraxinivorus</i>	GNR	SNR		
Ashleaf gall mite	<i>Aceria chondriphora</i>	GNR	SNR		
Capital Area groundwater amphipod	<i>Stygobromus sextarius</i>	G1	S1	E	
Cecil groundwater amphipod	<i>Stygobromus caecilius</i>	G1	S1	E	
Digger crayfish	<i>Fallicambarus fodiens</i>	G5	SNR		
Feller's groundwater amphipod	<i>Stygobromus felleri</i>	G1	S1	E	
Friendly cave amphipod	<i>Stygobromus amicus</i>	G1	S1	E	
Holsinger's cave isopod	<i>Caecidotea holsingeri</i>	G5	S1	E	
Prettyboy groundwater amphipod	<i>Stygobromus paxillus</i>	G1	S1	E	
Rappahannock spring amphipod	<i>Stygobromus foliatus</i>	G2	S1	E	
Rock crawfish	<i>Cambarus carinirostris</i>	G5	SNR		
Rock Creek groundwater amphipod	<i>Stygobromus kenki</i>	G2	S1	E	
A copepod	<i>Acanthocyclops columbiensis</i>	G1	SNR		
An amphipod	<i>Crangonyx stagnicolous</i>	G2	SNR		
An ostracod	<i>Donnaldsoncythere donnaldsonensis</i>	G3	SNR		
Snails (5)					
Coastal-plain ambersnail	<i>Oxyloma effusum</i>	G3	SNR		
Chesapeake ambersnail	<i>Oxyloma subeffusum</i>	G3	SNR		
Natural Bridge supercoil	<i>Paravitrea pontis</i>	G3	SNR		
Rust glyph	<i>Glyphyalinia picea</i>	G3	SNR		
Snowhill ambersnail	<i>Catinella hubrichti</i>	G3	SNR		

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Flatworms (5)					
A planarian	<i>Phagocata dissimilis sp. nov.</i>	GNR	SNR		
A planarian	<i>Phagocata projecta sp. nov.</i>	GNR	SNR		
A planarian	<i>Sphalloplana buchanani</i>	G1G2	SNR		
A planarian	<i>Sphalloplana cava sp. nov.</i>	GNR	SNR		
A planarian	<i>Sphalloplana pricei</i>	G2G3	SNR		

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Appendix 3f. Species Removed from the 2005 Species of Greatest Conservation Need List for the 2015 State Wildlife Action Plan

Common Name	Scientific Name	Global Rank	State Rank	State Legal Status	Federal Legal Status
Maryland SGCN Mammals (4)					
American marten	<i>Martes americana</i>	G5	SX	X	
Harbor porpoise	<i>Phocoena phocoena</i>	G4G5	SNA		
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	G3G4	SP		
Snowshoe hare	<i>Lepus americanus</i>	G5	SH	X	

Maryland SGCN Birds (22)					
Bachman's sparrow	<i>Peucaea aestivalis</i>	G3	SXB	X	
Barred owl	<i>Strix varia</i>	G5	S5		
Bewick's wren	<i>Thryomanes bewickii altus</i>	G5T2Q	SXB	E	
Black tern	<i>Chlidonias niger</i>	G4	SNA		
Black-billed cuckoo	<i>Coccyzus erythrophthalmus</i>	G5	S4B		
Blue-headed vireo	<i>Vireo solitarius</i>	G5	S4B		
Brown thrasher	<i>Toxostoma rufum</i>	G5	S5B,S2N		
Brown-headed nuthatch	<i>Sitta pusilla</i>	G5	S4		
Chestnut-sided warbler	<i>Setophaga pensylvanica</i>	G5	S4B		
Common raven	<i>Corvus corax</i>	G5	S3S4		
Eastern towhee	<i>Pipilo erythrophthalmus</i>	G5	S5B,S4N		
Field sparrow	<i>Spizella pusilla</i>	G5	S5B,S4N		
Hairy woodpecker	<i>Picoides villosus</i>	G5	S5		
Harlequin duck	<i>Histrionicus histrionicus</i>	G4	S1N		
Hermit thrush	<i>Catharus guttatus</i>	G5	S4B,S4N		
Pileated woodpecker	<i>Dryocopus pileatus</i>	G5	S5		
Purple sandpiper	<i>Calidris maritima</i>	G5	S2N		
Red-eyed vireo	<i>Vireo olivaceus</i>	G5	S5B		
Red-shouldered hawk	<i>Buteo lineatus</i>	G5	S5B,S4N		
Solitary sandpiper	<i>Tringa solitaria</i>	G5	SNA		
Summer tanager	<i>Piranga rubra</i>	G5	S4B		
Wilson's snipe	<i>Gallinago delicata</i>	G5	SPB,S2N		

Maryland SGCN Reptiles (4)					
Broad-headed skink	<i>Eumeces laticeps</i>	G5	S4		
Eastern hog-nosed snake	<i>Heterodon platirhinos</i>	G5	S5		
Northern red-bellied cooter	<i>Pseudemys rubriventris</i>	G5	S5		

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Queen snake	<i>Regina septemvittata</i>	G5	S5		
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Maryland SGCN Amphibians (4)

Allegheny Mountain dusky salamander	<i>Desmognathus ochrophaeus</i>	G5	S5		
Eastern spadefoot toad	<i>Scaphiopus holbrookii</i>	G5	S4		
Long-tailed salamander	<i>Eurycea longicauda</i>	G5	S5		
New Jersey chorus frog	<i>Pseudacris triseriata kalmi</i>	G4	S4		

Maryland SGCN Fishes (12)

Bluespotted sunfish	<i>Enneacanthus gloriosus</i>	G5	S3S4		
Cheat minnow	<i>Pararhinichthys bowersi</i>	G1G2Q	SX	X	
Greenside darter	<i>Etheostoma blennioides</i>	G5	S5		
Least brook lamprey	<i>Lampetra aepyptera</i>	G5	S4		
Longnose gar	<i>Lepisosteus osseus</i>	G5	S2		
Northern hogsucker	<i>Hypentelium nigricans</i>	G5	S5		
Redside dace	<i>Clinostomus elongatus</i>	G3G4	SX		
Rosyside dace	<i>Clinostomus funduloides</i>	G5	S5		
Shield darter	<i>Percina peltata</i>	G5	S3		
Silverjaw minnow	<i>Ericymba buccata</i>	G5	S4		
Trout-perch	<i>Percopsis omiscomaycus</i>	G5	SX	X	
Warmouth	<i>Lepomis gulosus</i>	G5	S3		

Maryland SGCN Insects (41)

Beetles (8)

American burying beetle	<i>Nicrophorus americanus</i>	G2G3	SX	X	E
Big sand tiger beetle	<i>Cicindela formosa</i>	G5	SU		
Giant stag beetle	<i>Lucanus elephas</i>	G3G5	SU		
Schwarz' diving beetle	<i>Laccophilus schwarzi</i>	GNR	SX		
A coccinellid beetle	<i>Nephus gordonii</i>	GNR	SU		
A dytiscid beetle	<i>Hopierus planatus</i>				
A hydrophilid beetle	<i>Hydrochara occultus</i>	GNR	SU		
A hydrophilid beetle	<i>Sperchopsis tessellatus</i>				

Butterflies and Moths (9)

Chestnut clearwing moth	<i>Synanthedon castaneae</i>	G3G5	SU		
Dotted skipper	<i>Hesperia attalus slossonae</i>	G3G4T3	SA		
Dusky azure	<i>Celastrina ebenina</i>	G4	SH	X	
Golden banded-skipper	<i>Autochton cellus</i>	G4	SH	X	
Mitchell's satyr	<i>Neonympha mitchellii</i>	G2	SR		E
Persius duskywing	<i>Erynnis persius persius</i>	G5T1T3	SA		

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Regal fritillary	<i>Speyeria idalia</i>	G3	SH	X	
Tawny crescent	<i>Phyciodes batesii batesii</i>	G4T1	SH		
The buckmoth	<i>Hemileuca maia maia</i>	G5T5	S4		
Dragonflies and Damselflies (22)					
Aurora damsel	<i>Chromagrion conditum</i>	G5	S3S4		
Azure bluet	<i>Enallagma aspersum</i>	G5	S4		
Band-winged meadowhawk	<i>Sympetrum semicinctum</i>	G5	S3		
Big bluet	<i>Enallagma durum</i>	G5	S3		
Blue-faced meadowhawk	<i>Sympetrum ambiguum</i>	G5	S3S4		
Cherry-faced meadowhawk	<i>Sympetrum internum</i>	G5	SR		
Cobra clubtail	<i>Gomphus vastus</i>	G5	S4		
Cyrano darner	<i>Nasiaeschna pentacantha</i>	G5	S3S4		
Eastern red damsel	<i>Amphiagrion saucium</i>	G5	S3S4		
Elusive clubtail	<i>Stylurus notatus</i>	G3	SR		
Emerald spreadwing	<i>Lestes dryas</i>	G5	SH		
Great spreadwing	<i>Archilestes grandis</i>	G5	S3		
Hagen's bluet	<i>Enallagma hageni</i>	G5	S4		
Lance-tipped darner	<i>Aeshna constricta</i>	G5	SH**		
Least clubtail	<i>Stylogomphus albistylus</i>	G5	S4		
Lyre-tipped spreadwing	<i>Lestes unguiculatus</i>	G5	SH		
Marsh bluet	<i>Enallagma ebrium</i>	G5	SH		
Russet-tipped clubtail	<i>Stylurus plagiatus</i>	G5	S3		
Sedge sprite	<i>Nehalennia irene</i>	G5	S3**		
Slender bluet	<i>Enallagma traviatum</i>	G5	S3		
Turquoise bluet	<i>Enallagma divagans</i>	G5	S3S4		
Vesper bluet	<i>Enallagma vesperum</i>	G5	S3		
Stoneflies, Mayflies and Caddisflies (1)					
Walker's tusked sprawler	<i>Potamanthus walkeri</i>	G5	SU		
Other Insects (1)					
A cicadellid leafhopper	<i>Chlorotettix sp 1</i>	GNR	SU		

Maryland SGCN Other Invertebrates (5)

Crustaceans and Allies (5)					
A cyclopoid copepod	<i>Diaicyclops palustris</i>	GNR	SU		
An entocytherid ostracod	<i>Ankylocythere tridentata</i>	G1	SH		
An entocytherid ostracod	<i>Dactylocythere scotos</i>	GNR	S1		
A harpacticoid copepod	<i>Attheyella spinipes</i>	GNR	SU		
Red-legged purse-web spider	<i>Sphodros rufipes</i>	G4	S1S2		

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** = Proposed State Rank changes

Appendix 3g. Explanation of Conservation Rankings Used in Maryland

Status rankings are crucial to the development of conservation plans, especially those as large and all-inclusive as Maryland's State Wildlife Action Plan. The following appendix details the process of assigning status rankings at various spatial scales and the adoption of these rankings in the Plan.

The Maryland Department of Natural Resources' Natural Heritage Program (MD NHP) has been evaluating the conservation status of species and assigning status ranks since its inception in 1979. The early ranking methodology developed by The Nature Conservancy described the species' range-wide status and state status as a single rank (e.g., an "A1" species was both globally rare and state rare). Since then, the protocols for determining conservation status and the ranks themselves have evolved to be much more complex and informative. MD NHP follows the current ranking system employed by NatureServe and its international Network of Natural Heritage Programs and Conservation Data Centers (Network). Conservation status ranks are now assigned at three spatial scales: global, national, and sub-national (or state ranks).

Global ranks and national ranks are assigned by NatureServe to indicate the conservation status rank for the species throughout its range (global rank) and throughout a country (national rank). The term "global rank" implies the species occurs throughout the world; however, the vast majority of species are not found worldwide. Most species that occur in Maryland have a global range that primarily falls within the United States; most global and national ranks for our species are identical. Therefore, to simplify the conservation ranking system for our partners and the public, MD NHP uses just the global and state status ranks. Each state or sub-national Network member assigns a conservation status rank for the species at that localized scale, using the same methods. Because all members of the Network follow identical protocols, the data are directly comparable from state to state and from country to country. [The NatureServe Explorer website](#) displays these global, national, and state ranks in both tabular and map format.

In Maryland, state rank conservation status, or S-ranks, has been determined for all terrestrial and freshwater vertebrate species (and select rare subspecies), select rare invertebrate taxa, and rare vascular plant taxa (including select subspecies or varieties). Natural rare communities (NRC) and ecological community groups (ECG) are also assigned S-ranks. As funding and additional information become available, S-ranks also may be developed for Maryland's rare nonvascular plants and additional invertebrate taxa, especially for the invertebrates that were added to the list of Species of Greatest Conservation Need as part of the SWAP revision.

Although detailed information on NatureServe's conservation status ranking methodology can be found primarily in two reports (see Figures 3g.1 & 3g.2), the following provides a short summary of this information. Status assessments are based on a combination of quantitative and qualitative information. Criteria for assigning ranks serve as strong guidelines rather than strict arithmetic rules. The assessor's overall knowledge of the species or community allows them to weigh each factor in relation to the others, and to consider additional pertinent information. The general factors considered in assessing species and ecological communities are similar, but the relative weight given to each factor differs.

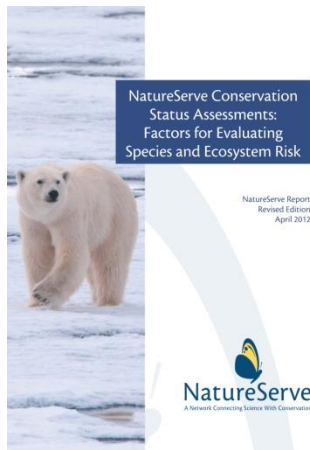


Figure 3g.1 [NatureServe Conservation Status Assessments: Factors for Evaluating Species and Ecosystem Risk](#)

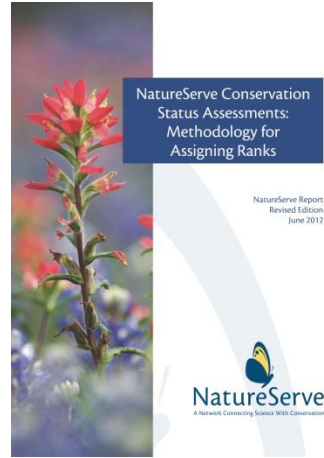


Figure 3g.2 [NatureServe Conservation Status Assessments: Methodology for Assigning Ranks](#)

For conservation status assessment of animal and plant species, the following factors are considered:

- total number and condition of occurrences (e.g., populations)
- population size
- range extent and area of occupancy
- short-term and long-term trends in the above factors
- scope, severity, and immediacy of threats
- intrinsic vulnerability
- environmental specificity
- number of protected and managed occurrences

These factors are more specifically defined in Tables 3g.1 and 3g.2 below (Faber-Langendoen et al 2012). Because conservation status assessment is a means to evaluate the extinction or elimination risk of a species or ecosystem from a given area (state, nation, or worldwide), these factors were chosen as the best indicators of that risk. They have been grouped into three main categories: rarity, threats, and trends. The rarity category includes six core factors, while the threats and trends categories each include two core factors. A few additional factors can be considered, but are not considered “core” factors. Conditional rules for the application of the core factors have been developed to ensure that adequate information for assessing status is being included. These factors have been scaled and weighted according to their impact on risk in a “rank calculator” tool designed by NatureServe in 2009 to assist in standardizing the assessment process throughout the Network (NatureServe 2009). In 2012, this tool and the factor definitions, values, and protocols were updated to enhance compatibility with international efforts that assess species and ecosystem risk, including IUCN ranks (Master et al 2012).

Table 3g.1 Summary of NatureServe Conservation Status Rank Factors (Source: Faber-Langendoen et al. 2012, NatureServe)

Factor category	Subcategory	Factor	Definition
Rarity	Range/Distribution	Range Extent	Minimum area that can be delimited to encompass all present occurrences of a species or ecosystem, typically excluding extreme disjuncts and vagrancies.
		Area of Occupancy	Area within the range extent that a species or ecosystem actually occupies. For species, area can be estimated by counting the number of occupied cells in a uniform grid. In most cases a grid of size 2x2 km (a cell area of 4 square km) should be used, but a smaller 1 square kilometer grid is appropriate for linear ¹ and some other occurrence types. For ecosystems, areas can be measured or estimated directly based on the best available information. Area of Occupancy for ecosystems is assessed based on selecting the typical spatial pattern of the type (small patch, large patch, matrix).
	Abundance/Condition	Population Size (species only)	The estimated total wild population of a species, occurring in its natural range and based on counts or estimates of the number of individuals that are currently of a reproductive age or stage, or mature and currently non-reproducing. This category is not included in the assessment calculation for annual plants or invertebrates with population sizes that fluctuate greatly from year to year.
		Number of Occurrences	Number of extant locations (stands) of an ecosystem, or discrete areas occupied by a species (typically subpopulations, populations, or metapopulations) ²
		Number of Occurrences or Percent Area with Good Viability/ Ecological Integrity	1) Number of occurrences (locations, stands of an ecosystem, or number of locations, subpopulations, populations, metapopulations of a species) that have excellent-to-good viability or ecological integrity (A or B occurrence ranks), such that there is the likelihood of persistence if current conditions prevail; OR 2) Percent of the total area occupied by a species or ecosystem that has excellent-to-good viability or ecological integrity.
		Environmental Specificity	The degree to which a species or ecosystem depends on a relatively scarce set of habitats, substrates, food types, or other abiotic and/or biotic factors within the overall range. Relatively narrow requirements are thought to increase the vulnerability of a species or ecosystem.
	Threats	Overall Threat Impact	Degree to which the integrity of an ecosystem or viability of a species is affected by extrinsic factors (stressors) that degrade integrity or viability, and which are characterized in terms of scope and severity. Threats are typically anthropogenic, having either direct (e.g., habitat destruction) or indirect (e.g., introduction of invasive species) impact.



Factor category	Subcategory	Factor	Definition
		Intrinsic Vulnerability	Degree to which intrinsic or inherent characteristics, such as life history or behavior patterns for species, or likelihood of regeneration or recolonization for ecosystems, make it susceptible or resilient to natural or anthropogenic stresses or catastrophes.
	Trends	Long-term Trend	Degree of past directional change in population size (for species only), extent of occurrence, area of occupancy, number of occurrences, and/ or viability or ecological integrity of occurrences over the long term (ca. 200 years).
		Short-term Trend	Degree of past directional change in population size (for species), extent of occurrence, area of occupancy, number of occurrences, and/or viability or ecological integrity of occurrences in the short-term, considered to be typically within 50 years for ecosystems, or within 10 years or 3 generations, whichever is longer (up to 100 years), for species.

¹Grid counts and area values should be used even if occupancy is linear; see Master et al. (2012) for more information.

²See guidelines in the Element Occurrence Data Standard in NatureServe (2002). See Master et al. (2012) for a discussion on the limitations of using occurrences for conservation status assessments.

In addition to the ten conservation status factors used to assess extinction/elimination or extirpation risk (Table 3g.1) other information may need to be considered in assigning NatureServe status ranks, shown in (Table 3g.2).

Table 3g.2 Other information useful for assessing conservation status (Source: Faber-Langendoen et al. 2012, NatureServe)

Information of Interest	Description
Other Considerations	Information that might be relevant to assessing conservation status. For example, the recorded results of a population viability analysis (PVA) may supplement the factor information used to assess the species' conservation status.
Number of Protected and Managed Occurrences	Number of occurrences that are appropriately protected and managed for the long-term persistence of the species or ecosystem. Formerly a conservation status factor in the outdated pre-2009 assessment method. Although this information is potentially still useful, the degree of threat indirectly assessed by this attribute is better represented by the Overall Threat Impact status factor.



Information of Interest	Description
<p>Rescue Effect</p>	<p>Used only at regional (national and subnational [state/provincial]) levels, rescue effect is the process by which immigrating propagules result in a lower extirpation risk for the population being assessed. Information on rescue effect may indicate that a species status rank should be adjusted to a lower risk category, or that the extirpation risk of a population has been underestimated and that the rank should be changed to a higher risk category.³</p>
<p>Comparison of Global and National/ Subnational Rank Information</p>	<p>Useful when assigning conservation status, especially when the national/ subnational information is more current or detailed than the global information or vice versa. Historically, a subnational rank that implied that a species or ecosystem was more secure at the state/province level than it was nationally or globally was not acceptable (e.g., a rank of G1S3 was invalid), and similarly, a national rank that implied that an element was more secure at the national level than it was globally was not acceptable. This rule is under review, because current methods provide a more explicit role for Threats and Trends, which may indicate low levels of risk at national/subnational scales as compared to global scales, and a one-rank difference may be permissible (e.g., G1S2).</p>

MD NHP biologists and ecologists work with other MD DNR staff, scientific experts, naturalists, researchers, land managers, collections managers (e.g., herbaria and museums), and other partners, and also review literature and websites, to compile the information needed to assess species’ status. If certain critical data are missing, grant funding may be sought and research or survey projects conducted to determine important information. As previously undocumented species are discovered in the state or potentially rare species are identified, a provisional placeholder rank of “SNR” (Species Not Ranked) is temporarily assigned until an assessment can be completed.

Most conservation status ranks follow a simple numerical scale of 1 - 5. When a species status assessment is completed, the most appropriate numeric rank is assigned from 1 (critically imperiled) to 5 (abundant, widespread, and/or demonstrably secure). Range ranks are allowed if they span three or fewer levels (e.g., S1S3). Ranks are reviewed regularly as new information becomes available, such as when additional populations are discovered or when new research projects have been completed.

After an assessment of the various ranking criteria is performed, if MD NHP staff cannot determine a species’ nativity within the state or there is insufficient or conflicting information about trends, threats, or other critical assessment criteria, a rank of “SU” (Species Unrankable or Uncertain) is usually assigned. These species may remain on the MD DNR list of rare species as long as current data indicate that the species may be determined to be rare given additional appropriate information. However, these species might not be provided any conservation actions or effort involving state permitted or regulated projects.



Some additional non-numeric ranks may be most appropriate for a given species or subspecies, including “SH” for historically-occurring species or “SX” for species thought to be extirpated with little, if any, hope of rediscovery within Maryland. Other non-numeric ranks are currently lumped by NatureServe protocols under the umbrella rank of “SNA” (Not Applicable), meaning the species is not a suitable target for most conservation activities, for various specific reasons, as summarized in Table 3g.3.

Table 3g.3 Sub-types of “SNA” ranks

SA	An accidental or vagrant species with few records within MD and no established populations; may persist for a few years in an area before disappearing.
SE	A non-native species, considered “exotic” with MD.
SP	Potentially and likely occurring within MD, but no records are known, perhaps due to cryptic nature of the species or lack of sufficient, targeted surveys.
SR	One or more reports exist, such as either published or as widely-known anecdotal descriptions, but without sufficient documentation to verify its occurrence, and follow-up fieldwork has failed to establish its validity.
SRF	One or more reports exist, such as either published or as widely-known anecdotal descriptions, but the reports are determined to be misidentifications or otherwise reported falsely as occurring within MD.
SZN	A regular transient or migrant through the state, but not concentrated in any specific areas.

Finally, a set of rank qualifiers for either global ranks or state ranks has been developed to clarify the basic rank (see Table 3g.4). Three of these qualifiers apply only to migratory animals. As animals migrate, their population levels can change dramatically from being abundant during the breeding season to being completely absent during the non-breeding season. A species may also be present in Maryland year-round, but have migrants arriving in the winter/non-breeding season that augment a much smaller breeding population. For example, the dark-eyed junco breeds sparsely and locally in western Maryland, but is abundant statewide in winter. In order to present a less ambiguous picture of a long distance migrant’s conservation status in a particular jurisdiction, as well as to obtain a clear picture of the breeding and non-breeding status of the species across its range, it may be necessary to specify whether the conservation status refers to the breeding, non-breeding/wintering, or migratory transient status of the species. This is accomplished through the use of “B”, “N”, or “M” qualifiers at the end of the basic rank (NatureServe 2015). If a migrant lacks the rank qualifier, then the rank applies equally to all seasonal populations of the species.

A seasonal status qualifier is only used for species that have distinct breeding and non-breeding populations in the state. A breeding-status S-rank can be coupled with its complementary non-breeding-status S-rank if the species also winters in the state, and/or a migrant-status S-rank if the species occurs regularly on migration at particular staging areas or concentration spots where the species might warrant conservation attention. The two (or rarely, three) status ranks are separated by a comma (e.g., "S2B,S3N").



Table 3g.4 Definitions of Global (G) and State (S) Conservation Ranks and Rank Qualifiers

Rank	Definitions (Global / State)
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 but still some hope of rediscovery. There is evidence that the species may no longer be present in the jurisdiction, (i.e. global, or state/province) but not enough to state 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 fewer than five 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. [A non-standard rank of S3.1 is used infrequently to identify species that are of higher concern because of the global significance of Maryland populations. Although not currently threatened or endangered, Maryland occurrences may be critical to the long-term security of the species.]
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, or little to no concern from declines or threats.
GU or 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 4- 5 ranks as defined above.
GNR or SNR	Not ranked —Conservation status has not yet been fully assessed.
SNA	Not a conservation target —Species is not a suitable target for most conservation actions.
Global Qualifiers	
Q	Questionable —Indicates that the taxon has questionable, controversial, or uncertain taxonomic standing (e.g., treated by some taxonomic authors as a species, whereas others treat it as a subspecies or variety or not at all).
T	Taxon —Indicates the rank of a subspecies or variety (i.e., an infraspecific taxon) .
State Qualifiers	
?	Questionable —Indicating uncertainty that may span 2-3 numeric S-ranks, as defined above.



Rank	Definitions (Global / State)
B	Breeding —Conservation status refers to Maryland’s breeding population of a migratory animal.
N	Nonbreeding —Conservation status refers to Maryland’s non-breeding population of a migratory animal.
M	Migrant —Migrant animal that occurs regularly during migration at particular staging areas or concentration spots where the species might warrant conservation attention. Conservation status refers to the aggregating transient population of the species in the state.

Citations and Sources

Faber-Langendoen, D., J. Nichols, L. Master, K. Snow, A. Tomaino, R. Bittman, G. Hammerson, B. Heidel, L. Ramsay, A. Teucher, and B. Young. 2012. NatureServe conservation status assessments: Methodology for assigning ranks. NatureServe, Arlington, VA

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NatureServe. 2009. Natureserve conservation status assessment: Rank calculator version 2.0. 2009. NatureServe, Arlington, VA.

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Conservation Status Group A

Flatworms	Crustaceans cont.	Dragonflies & Damselflies cont.
A planarian, <i>Phagocata virilis</i> A planarian, <i>Procotyla typhlops</i> Hoffmaster's cave planarian, <i>Sphalloplana hoffmasteri</i> A planarian, <i>Sphalloplana sp 1</i>	Franz's cave amphipod Shenandoah Valley cave amphipod Tidewater amphipod Rock Creek groundwater amphipod Prettyboy groundwater amphipod Pizzini's amphipod Capital Area groundwater amphipod Roundtop amphipod Barrelville amphipod Devils Hole cave amphipod Allegheny spring isopod Franz's cave isopod Holsinger's cave isopod Maus' cave isopod Vandel's cave isopod	Stripe-winged baskettail Robust baskettail Little blue dragonlet Spine-crowned clubtail Mustached clubtail Harpoon clubtail Splendid clubtail Rapids clubtail Dusky clubtail White corporal Frosted whiteface Crimson-ringed whiteface Hudsonian whiteface Elfin skimmer Pygmy snaketail Appalachian snaketail Maine snaketail Chesapeake snaketail Spring blue darner Coppery emerald Treetop emerald Brush-tipped emerald Zebra clubtail
Freshwater mussels		Other Insects
Dwarf wedgemussel Triangle floater Brook floater Atlantic spike Green floater Tidewater mucket Eastern pondmussel	Dragonflies & Damselflies	Eastern sedge barrens leafhopper
Snails		Beetles
Angular disc Appalachian springsnail Blue Ridge springsnail Spruce knob threetooth Striped whitelip	Superb jewelwing Appalachian jewelwing Northern bluet Rainbow bluet Tule bluet Atlantic bluet Burgundy bluet Pale bluet Furtive forktail Southern sprite Duckweed firetail Ocellated darner Red-veined pennant Martha's pennant Banded spiketail	Eastern Pinebarrens tiger beetle Appalachian tiger beetle Northeastern beach tiger beetle White tiger beetle Ghost tiger beetle Northern Barrens tiger beetle
Crustaceans		
Pennsylvania cave crangonyctid Friendly cave amphipod Biggers' cave amphipod Cecil groundwater amphipod Greenbrier cave amphipod Feller's groundwater amphipod Rappahannock spring amphipod		



Conservation Status Group A cont.

Beetles cont.	Bees, Wasps, & Ants cont.	Reptiles cont.
Puritan tiger beetle Splendid tiger beetle Six-banded longhorn beetle Seth Forest water scavenger beetle A tenebrionid beetle, <i>Helops cisteloides</i> A tenebrionid beetle, <i>Schoenicus puberulus</i> A cave beetle, <i>Pseudanophthalmus sp 15</i>	Cypress sphinx moth A noctuid moth, <i>Melanapamea mixta</i> Franck's sphinx A noctuid moth, <i>Zale curema</i>	Kemp's ridley seaturtle Northern coal skink Rainbow snake Mountain earthsnake
Bees, Wasps, & Ants	Fishes	Birds
An oil-collecting bee, <i>Macropis ciliata</i> Butterflies & Moths Great purple hairstreak Northern metalmark Hoary elfin Frosted elfin Pink-edged sulphur Early hairstreak Mottled duskywing Two-spotted skipper Bog copper Compton tortoiseshell Palamedes swallowtail West Virginia white Chermock's mulberry wing Rare skipper Southern grizzled skipper Hickory hairstreak Edwards' hairstreak Northern hairstreak King's hairstreak Atlantis fritillary Curved halter moth	Shortnose sturgeon Atlantic sturgeon Bowfin Flier Checkered sculpin Blackbanded sunfish Glassy darter American brook lamprey Striped shiner Pearl dace Ironcolor shiner Stonecat Chesapeake logperch Stripeback darter	American bittern Brown pelican Northern goshawk Black rail Sora Upland sandpiper Piping plover Wilson's plover Lesser yellowlegs Gull-billed tern Laughing gull Black skimmer Common tern Royal tern Sandwich tern Northern saw-whet owl Short-eared owl Long-eared owl Yellow-bellied sapsucker Loggerhead shrike Sedge wren Mourning warbler Swainson's warbler Nashville warbler Nelson's sparrow Coastal Plain swamp sparrow
	Amphibians	
	Green salamander Eastern hellbender Common mudpuppy Eastern narrow-mouthed toad Barking treefrog Mountain chorus frog	
	Reptiles	
	Eastern spiny softshell Loggerhead seaturtle Wood turtle Bog turtle Northern map turtle	

Conservation Status Group A cont.

Mammals
Southern water shrew
Eastern small-footed myotis
Little brown myotis
Northern myotis
Indiana myotis
Tricolored bat
Delmarva fox squirrel
Appalachian cottontail
Southern rock vole
Allegheny woodrat
Eastern spotted skunk

Conservation Status Group B

Flatworms	Dragonflies & Damselflies cont.	Bees, Wasps, & Ants
A planarian, <i>Paraplanaria dactyligera</i>	Double-ringed pennant	A hairy-tongue bee, <i>Lasioglossum arantium</i>
Freshwater Mussels	Arrowhead spiketail	A hairy-tongue bee, <i>Lasioglossum nymphate</i>
Creeper	Eastern ringtail	A cuckoo bee, <i>Nomada rubicunda</i>
Snails	Taper-tailed darner	Pearly-banded bee
Cherrystone drop	Midland clubtail	A mason bee, <i>Osmia chalybea</i>
Spiders	Sable clubtail	Butterflies & Moths
Appalachian cave spider	Selys' sundragon	Pepper and salt skipper
Crustaceans	Northern pygmy clubtail	Harris's checkerspot
Acuminate crayfish	Southern pygmy clubtail	Olympia marble
Allegheny cave amphipod	Yellow-sided skimmer	Baltimore checkerspot
Dragonflies & Damselflies	Allegheny river cruiser	Silvery blue
Sparkling jewelwing	Rusty snaketail	Carolina satyr
Blackwater bluet	Ski-tailed emerald	Leonard's skipper
Sphagnum sprite	Fine-lined emerald	Giant swallowtail
Canada darner	Laura's clubtail	Venus fly
Black-tipped darner		Sinuuous lytrois
Green-striped darner		A noctuid moth, <i>Meropleon titan</i>



Conservation Status Group B cont.

Butterflies & Moths cont.	Birds	Birds cont.
Pine barrens zanclognatha A noctuid moth, <i>Zale submediana</i>	Blue-winged teal Gadwall	Common nighthawk American peregrine falcon
Stoneflies, Mayflies, & Caddisflies	White-winged scoter	Alder flycatcher
A <i>Scalaris</i> trichopteran	Common merganser	Winter wren
Other Insects	Pied-billed grebe	Northern waterthrush
Pitcher plant mosquito	Least bittern	Golden-winged warbler
Fishes	Sharp-shinned hawk	Saltmarsh sparrow
Mud sunfish	Golden eagle	Henslow's sparrow
Banded sunfish	Northern harrier	Rusty blackbird
Swamp darter	Common gallinule	Pine siskin
Spotfin killifish	King rail	Mammals
Amphibians	Ruddy turnstone	Long-tailed shrew
Eastern tiger salamander	Greater yellowlegs	Smoky shrew
Wehrle's salamander	Forster's tern	Southern pygmy shrew
Eastern mud salamander	Least tern	Least weasel
Reptiles	Barn owl	
Plain-bellied watersnake		

Conservation Status Group C

Freshwater mussels	Dragonflies & Damselflies cont.	Dragonflies & Damselflies cont.
Alewife floater Northern lance Paper pondshell	Amber-winged spreadwing Sweetflag spreadwing Comet darner	Uhler's sundragon Chalk-fronted skimmer Dot-tailed whiteface
Crustaceans	Four-spotted pennant	Golden-winged skimmer
Allegheny crayfish	Banded pennant	Bar-winged skimmer
Potomac amphipod	Brown spiketail	Royal river cruiser
Price's cave isopod	Delta-spotted spiketail	Stygian shadowdragon
Dragonflies & Damselflies	Tiger spiketail	Common sanddragon
Seepage dancer	American emerald	Mocha emerald
Attenuated bluet	Beaverpond baskettail	White-faced meadowhawk
Spotted spreadwing	Harlequin darner	Gray petaltail

Conservation Status Group C cont.

Beetles	Amphibians cont.	Birds cont.
Cow path tiger beetle Festive tiger beetle One-spotted tiger beetle	Carpenter frog Upland chorus frog	Snowy egret Tricolored heron Yellow-crowned night-heron Black-crowned night-heron
Bees, Wasps, & Ants	Reptiles	Glossy ibis Broad-winged hawk Bald eagle Spotted sandpiper Sanderling Dunlin American oystercatcher American woodcock Willet Chuck-will's-widow Eastern whip-poor-will Chimney swift Red-headed woodpecker American kestrel Least flycatcher Willow flycatcher Acadian flycatcher Yellow-throated vireo Bank swallow Red-breasted nuthatch Brown creeper Marsh wren Golden-crowned kinglet Veery Wood thrush Canada warbler Kentucky warbler Worm-eating warbler
Sanderson's bumble bee Half-black bumble bee	Spotted turtle Northern diamond-backed terrapin Eastern box turtle Eastern six-lined racerunner Northern scarletsnake Timber rattlesnake Mole kingsnake Eastern kingsnake Smooth greensnake Red cornsnake Common ribbonsnake	
Butterflies & Moths	Birds	
Delaware skipper Dusted Skipper Silver-bordered fritillary Appalachian blue Monarch Black dash Dion skipper Cobweb skipper Indian skipper Bronze copper Mulberry wing Long dash	American black duck Redhead Canvasback Brant Long-tailed duck Black scoter Surf scoter Ruddy duck Ruffed grouse Northern bobwhite Common loon Red-throated loon Horned grebe Northern gannet Great egret Great blue heron Little blue heron	
Fishes		
American shad Mottled sculpin Johnny darter Comely shiner Brook trout Hickory shad		
Amphibians		
Jefferson salamander Seal salamander Northern spring salamander Valley and Ridge salamander Northern red salamander		

Conservation Status Group C cont.

Birds cont.	Birds cont.	Birds cont.
Yellow-breasted chat Black-and-white warbler Louisiana waterthrush Prothonotary warbler Ovenbird Northern parula Black-throated blue warbler Cerulean warbler Hooded warbler Prairie warbler Blackburnian warbler Black-bellied plover	Magnolia warbler American redstart Black-throated green warbler Blue-winged warbler Seaside sparrow Grasshopper sparrow Dark-eyed junco Savannah sparrow Vesper sparrow Scarlet tanager Dickcissel	Bobolink Boat-tailed grackle Eastern meadowlark
		Mammals
		Least shrew Southeastern shrew Big brown bat Southern bog lemming North American porcupine American mink Bobcat

Conservation Status Group D

Flatworms	Crustaceans	Stoneflies, Mayflies, & Caddisflis
A planarian, <i>Phagocata dissimilis sp. nov.</i> A planarian, <i>Phagocata projecta sp. nov.</i> A planarian, <i>Sphalloplana buchani</i> A planarian, <i>Sphalloplana cava sp. nov.</i> A planarian, <i>Sphalloplana pricei</i>	Horseshoe crab Ashleaf gall mite Ash flowergall mite Ash key gall mite Snivelys cave spider Rock crawfish Digger crayfish An amphipod, <i>Crangonyx stagnicolous</i> Tenuis amphipod A copepod, <i>Acanthocyclops columbiensis</i> An ostracod, <i>Donnaldsoncythere donnaldsonensis</i>	Speith's great speckled olive mayfly Aracoma sallfly Dusky sallfly Shenandoah needlefly Shenandoah sallfly Pocahontas sallfly Gaspe sallfly A caddisfly, <i>Ceraclea spongillovorax</i> A caddisfly, <i>Ceraclea uvala</i> A caddisfly, <i>Cernotina pallida</i> A caddisfly, <i>Cheumatopsyche parentum</i> A caddisfly, <i>Hydropsyche hoffmani</i> A caddisfly, <i>Protoptila georgiana</i>
Freshwater Mussels		
Yellow lance Yellow lampmussel Eastern lampmussel		
Snails	Other Insects	
Snowhill ambersnail Rust glyph Coastal-plain ambersnail Chesapeake ambersnail Natural Bridge supercoil Bear creek slitmouth Cylindrically-ornate wood snail	Crabtree cave springtail Ash plant bug Ash midrib gall midge Ash bulletgall midge	

Dragonflies & Damselflies	Beetles	
River jewelwing	A weevil, <i>Apion porosicolle</i> Eastern ash bark beetle Northern ash bark beetle White-banded ash bark beetle Bethany Beach firefly	

Conservation Status Group D cont.

Beetles cont.	Butterflies & Moths cont.	Butterflies & Moths cont.
Ash seed weevil	A noctuid moth, <i>Chytonix sensilis</i>	Aureolaria seed borer moth
Bees, Wasps, & Ants	Melsheimer's sack-bearer	Plain schizura
A mining bee, <i>Andrena braccata</i>	Grote's sawfly	A crambid snout moth, <i>Undulambia striatalis</i>
A mining bee, <i>Andrena fulvipennis</i>	Speyer's hooded owlet	Bold-based zale moth
Rusty-patch bumble bee	A geometrid moth <i>Cyclophora nanaria</i>	A noctuid moth, <i>Hadena ectypa</i>
Ashton's cuckoo bumble bee	Unexpected cynia	Fishes
Black and gold bumble bee	Hydrangea sphinx	Thorny skate
Lemon cuckoo bumble bee	A lymantriid moth, <i>Dasychira atrivenosa</i>	White catfish
American bumble bee	George's midget moth	Barndoor skate
Yellowbanded bumble bee	Little beggar	Smooth skate
A sweat bee, <i>Dieunomia heteropoda</i>	A geometrid moth, <i>Euchlaena milnei</i>	Amphibians
A sweat bee, <i>Dieunomia nevadensis</i>	Fringed dart	Southern two-lined salamander
A hairy-tongue bee, <i>Lasioglossum georgeickworti</i>	Mixed dart	Undetermined siren
A hairy-tongue bee, <i>Lasioglossum marinum</i>	Violet dart	Atlantic Coast leopard frog
A hairy-tongue bee, <i>Lasioglossum rahleighense</i>	Doris' tiger moth	Reptiles
A mining bee, <i>Protandrena abdominalis</i>	Phyllira tiger moth	Green sea turtle
A formicine ant, <i>Camponotus impressus</i>	A noctuid moth, <i>Meropleon cosmion</i>	Leatherback sea turtle
A dolichoderine ant, <i>Dolichoderus taschenbergi</i>	Graceful clearwing	Atlantic hawksbill sea turtle
Oak-grove ant	Fingered lemmeria	Coastal Plain milksnake
A myrmicine ant, <i>Lasioglossum mauscorum</i>	Lemmer's noctuid moth	Birds
A myrmicine ant, <i>Myrmica pinetorum</i>	Louisiana owlet moth	Cory's shearwater
A temnothorax ant, <i>Termnothorax pergandei</i>	Newman's brocade	Leach's storm-petrel
Texas temnothorax ant, <i>Termnothorax texanus</i>	Tuscarora emerald	Audubon's shearwater
A fungus-growing ant, <i>Trachymyrmex septentrionalis</i>	Ash pyralid	Red knot

Butterflies & Moths	Butterflies & Moths cont.	Birds cont.
Blackheaded ash sawfly Brownheaded ash sawfly Northern crescent A noctuid moth, <i>Amolita roseola</i> A geometrid moth, <i>Apodrepanulatrix liberaria</i> White-tailed diver moth Angle winged emerald moth	Pitcher plant borer moth Aralia shoot borer moth Seaside goldenrod stem borer Chain fern borer moth Buffalo moth Purple plagodis Pink sallow Venus flytrap cutworm	Semipalmated sandpiper Red phalarope Red-necked phalarope Black-legged kittiwake Bicknell's thrush Wayne's black-throated green warbler Short-billed dowitcher Whimbrel

Conservation Status Group D cont.

Mammals	
Southeastern star-nosed mole Silver-haired bat Eastern red bat Hoary bat Seminole bat Southeastern myotis Evening bat Virginia northern flying squirrel Sei whale	Blue whale Fin whale North Atlantic right whale Humpback whale Gervais beaked whale True's beaked whale Sperm whale Bottlenose dolphin Cuvier's beaked whale

Conservation Status Group E

Snails	Bees, Wasps, & Ants	Fishes
Maryland glyph	Variable cuckoo bumble bee	Longnose sucker
Crustaceans	A cellophane bee, <i>Colletes aestivalis</i>	Maryland darter
Norden's groundwater isopod	Macropis cuckoo bee	Bridle shiner
Dragonflies & Damselflies	An oil-collecting bee, <i>Macropis patellata</i>	Reptiles
Smoky rubyspot	Butterflies & Moths	Northern pinesnake
Faded pennant	Hessel's hairstreak	Birds
Petite emerald	Marbled underwing	Red-cockaded woodpecker
Mantled baskettail	Precious underwing	Olive-sided flycatcher
Piedmont clubtail	American chestnut nepticulid moth	Swainson's thrush
Skillet clubtail	Phleophagan chestnut nepticulid moth	Roseate tern
Riverine clubtail	Broad-lined catopyrrha	Mammals
	Three-horned moth	Eastern harvest mouse
	Polymnia stalk borer moth	

Appendix 3i. Northeast Region, Regional Species of Greatest Conservation Need

Scientific Name*	Common Name	RSGCN Responsibility	RSGCN Concern	MD SGCN
Mammals				
<i>Microtus chrotorrhinus carolinensis</i>	Southern Rock Vole	High	V. High	X
<i>Myotis leibii</i>	Eastern Small-footed Myotis	High	V. High	X
<i>Neotoma magister</i>	Allegheny Woodrat	High	V. High	X
<i>Sciurus niger cinereus</i>	Delmarva Fox Squirrel	High	V. High	X
<i>Sorex dispar</i>	Long-tailed Shrew	High	V. High	X
<i>Sorex palustris punctulatus</i>	Southern Water Shrew	High	V. High	X
<i>Sylvilagus transitionalis</i>	New England Cottontail mouse	High	V. High	
<i>Sorex palustris albibarbis</i>	American Water Shrew (Eastern)	High	High	
<i>Sorex cinereus fontinalis</i>	Maryland Shrew	High	Mod.	
<i>Sorex fumeus</i>	Smoky Shrew	High	Mod.	X
<i>Condylura cristata</i>	Star-nosed Mole	High	Low	X
<i>Napaeozapus insignis</i>	Woodland Jumping Mouse	High	Low	
<i>Parascalops breweri</i>	Hairy-tailed Mole	High	Low	
<i>Corynorhinus townsendii virginianus</i>	Virginia Big-eared Bat	High	Limited	
<i>Glaucomys sabrinus fuscus</i>	Virginia Northern Flying Squirrel	High	Limited	X
<i>Microtus breweri</i>	Beach Vole	High	Limited	
<i>Microtus pennsylvanicus proventus</i>	Block Island Meadow Vole	High	Limited	
<i>Microtus pennsylvanicus shattucki</i>	Penobscot Meadow Vole	High	Limited	
<i>Peromyscus leucopus easti</i>	Pungo White-footed Deermouse	High	Limited	
<i>Sorex longirostris fisheri</i>	Dismal Swamp Southeastern Shrew	High	Limited	X
<i>Eptesicus fuscus</i>	Big Brown Bat	Low	High	X
<i>Lynx rufus</i>	Bobcat	Low	High	X
<i>Martes americana</i>	American Marten	Low	High	
<i>Phocoena phocoena</i>	Harbor Porpoise	Low	High	
<i>Glaucomys sabrinus coloratus</i>	Carolina Northern Flying Squirrel	Low	Limited	
<i>Myotis grisescens</i>	Gray Myotis	Low	Limited	
<i>Balaenoptera borealis</i>	Sei Whale	Low	V. High	X
<i>Balaenoptera musculus</i>	Blue Whale	Low	V. High	X
<i>Balaenoptera physalus</i>	Fin Whale	Low	V. High	X
<i>Cryptotis parva</i>	North American Least Shrew	Low	V. High	X
<i>Eubalaena glacialis</i>	North Atlantic Right Whale	Low	V. High	X
<i>Lasionycteris noctivagans</i>	Silver-haired Bat	Low	V. High	X
<i>Lasiurus borealis</i>	Eastern Red Bat	Low	V. High	X
<i>Lasiurus cinereus</i>	Hoary Bat	Low	V. High	X

Scientific Name*	Common Name	RSGCN Responsibility	RSGCN Concern	MD SGCN
Mammals cont.				
<i>Lynx canadensis</i>	Canadian Lynx	Low	V. High	
<i>Megaptera novaeangliae</i>	Humpback Whale	Low	V. High	X
<i>Mustela nivalis</i>	Least Weasel	Low	V. High	X
<i>Myotis lucifugus</i>	Little Brown Myotis	Low	V. High	X
<i>Myotis septentrionalis</i>	Northern Myotis	Low	V. High	X
<i>Myotis sodalis</i>	Indiana Myotis	Low	V. High	X
<i>Perimyotis subflavus</i>	Tricolored Bat	Low	V. High	X
<i>Physeter macrocephalus</i>	Sperm Whale	Low	V. High	X
<i>Spilogale putorius</i>	Eastern Spotted Skunk	Low	V. High	X
<i>Sylvilagus obscurus</i>	Appalachian Cottontail	Low	V. High	X
Birds				
<i>Synaptomys cooperi</i>	Southern Bog Lemming	Low	V. High	X
<i>Ammodramus caudacutus</i>	Saltmarsh Sparrow	High	V. High	X
<i>Calidris canutus [M]</i>	Red Knot	High	V. High	X
<i>Catharus bicknelli</i>	Bicknell's Thrush	High	V. High	X
<i>Charadrius melodus [A]</i>	Piping Plover	High	V. High	X
<i>Falco peregrinus [E]</i>	Peregrine Falcon	High	V. High	X
<i>Hylocichla mustelina</i>	Wood Thrush	High	V. High	X
<i>Laterallus jamaicensis</i>	Black Rail	High	V. High	X
<i>Setophaga cerulea</i>	Cerulean Warbler	High	V. High	X
<i>Sterna dougallii</i>	Roseate Tern	High	V. High	X
<i>Vermivora cyanoptera</i>	Blue-winged Warbler	High	V. High	X
<i>Aquila chrysaetos [B,W]</i>	Golden Eagle	High	High	X
<i>Piranga olivacea</i>	Scarlet Tanager	High	High	X
<i>Passerculus sandwichensis princeps [M,W]</i>	Ipswich Sparrow	High	Low	
<i>Melospiza georgiana nigrescens</i>	Coastal Plain Swamp Sparrow	High	Limited	X
<i>Accipiter gentilis</i>	Northern Goshawk	Low	V. High	X
<i>Ammodramus henslowii</i>	Henslow's Sparrow	Low	V. High	X
<i>Ammodramus maritimus</i>	Seaside Sparrow	Low	V. High	X
<i>Ammodramus savannarum</i>	Grasshopper Sparrow	Low	V. High	X
<i>Anas rubripes [B,W]</i>	American Black Duck	Low	V. High	X
<i>Antrorstomus vociferus</i>	Eastern Whip-poor-will	Low	V. High	X
<i>Arenaria interpres [M,W]</i>	Ruddy Turnstone	Low	V. High	X
<i>Asio flammeus</i>	Short-eared Owl	Low	V. High	X
<i>Asio otus</i>	Long-eared Owl	Low	V. High	X
<i>Bartramia longicauda</i>	Upland Sandpiper	Low	V. High	X

Scientific Name*	Common Name	RSGCN Responsibility	RSGCN Concern	MD SGCN
Birds cont.				
<i>Botaurus lentiginosus</i>	American Bittern	Low	V. High	X
<i>Bubulcus ibis</i>	Cattle Egret	Low	V. High	
<i>Calidris maritima [M,W]</i>	Purple Sandpiper	Low	V. High	
<i>Cardellina canadensis</i>	Canada Warbler	Low	V. High	X
<i>Chlidonias niger</i>	Black Tern	Low	V. High	
<i>Chordeiles minor</i>	Common Nighthawk	Low	V. High	X
<i>Circus cyaneus</i>	Northern Harrier	Low	V. High	X
<i>Cistothorus platensis</i>	Sedge Wren	Low	V. High	X
<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo	Low	V. High	
<i>Colinus virginianus</i>	Northern Bobwhite	Low	V. High	X
<i>Contopus cooperi</i>	Olive-sided Flycatcher	Low	V. High	X
<i>Dolichonyx oryzivorus</i>	Bobolink	Low	V. High	X
<i>Egretta caerulea</i>	Little Blue Heron	Low	V. High	X
<i>Egretta thula</i>	Snowy Egret	Low	V. High	X
<i>Egretta tricolor</i>	Tricolored Heron	Low	V. High	X
<i>Euphagus carolinus [B,W]</i>	Rusty Blackbird	Low	V. High	X
<i>Falcipecten canadensis</i>	Spruce Grouse	Low	V. High	
<i>Gavia immer</i>	Common Loon	Low	V. High	X
<i>Gelochelidon nilotica</i>	Gull-billed Tern	Low	V. High	X
<i>Geothlypis formosa</i>	Kentucky Warbler	Low	V. High	X
<i>Haematopus palliatus</i>	American Oystercatcher	Low	V. High	X
<i>Helmitheros vermivorum</i>	Worm-eating Warbler	Low	V. High	X
<i>Histrionicus histrionicus [E,W]</i>	Harlequin Duck	Low	V. High	
<i>Ixobrychus exilis</i>	Least Bittern	Low	V. High	X
<i>Lanius ludovicianus</i>	Loggerhead Shrike	Low	V. High	X
<i>Limnothlypis swainsonii</i>	Swainson's Warbler	Low	V. High	X
<i>Melanerpes erythrocephalus</i>	Red-headed Woodpecker	Low	V. High	X
<i>Numenius phaeopus [M]</i>	Whimbrel	Low	V. High	X
<i>Nyctanassa violacea</i>	Yellow-crowned Night-Heron	Low	V. High	X
<i>Nycticorax nycticorax</i>	Black-crowned Night-Heron	Low	V. High	X
<i>Parkesia motacilla</i>	Louisiana Waterthrush	Low	V. High	X
<i>Picoides dorsalis</i>	American Three-toed Woodpecker	Low	V. High	
<i>Pipilo erythrophthalmus</i>	Eastern Towhee	Low	V. High	
<i>Podilymbus podiceps</i>	Pied-billed Grebe	Low	V. High	X
<i>Pooecetes gramineus</i>	Vesper Sparrow	Low	V. High	X
<i>Porzana carolina</i>	Sora	Low	V. High	X

Scientific Name*	Common Name	RSGCN Responsibility	RSGCN Concern	MD SGCN
Birds cont.				
<i>Protonotaria citrea</i>	Prothonotary Warbler	Low	V. High	X
<i>Rallus elegans</i>	King Rail	Low	V. High	X
<i>Rynchops niger</i>	Black Skimmer	Low	V. High	X
<i>Scolopax minor</i>	American Woodcock	Low	V. High	X
<i>Setophaga castanea</i>	Bay-breasted Warbler	Low	V. High	
<i>Setophaga discolor</i>	Prairie Warbler	Low	V. High	X
<i>Spizella pusilla</i>	Field Sparrow	Low	V. High	
<i>Sterna forsteri</i>	Forster's Tern	Low	V. High	X
<i>Sterna hirundo</i>	Common Tern	Low	V. High	X
<i>Sterna paradisaea</i>	Arctic Tern	Low	V. High	
<i>Sternula antillarum</i>	Least Tern	Low	V. High	X
<i>Sturnella magna</i>	Eastern Meadowlark	Low	V. High	X
<i>Thryomanes bewickii</i>	Bewick's Wren	Low	V. High	
<i>Toxostoma rufum</i>	Brown Thrasher	Low	V. High	
<i>Tringa semipalmata</i>	Willet	Low	V. High	X
<i>Tyto alba</i>	Barn Owl	Low	V. High	X
<i>Vermivora chrysoptera</i>	Golden-winged Warbler	Low	V. High	X
<i>Antrostomus carolinensis</i>	Chuck-will's-widow	Low	High	X
<i>Bonasa umbellus</i>	Ruffed Grouse	Low	High	
<i>Buteo lineatus</i>	Red-shouldered Hawk	Low	High	
<i>Buteo platypterus</i>	Broad-winged Hawk	Low	High	X
<i>Calidris alba [M,W]</i>	Sanderling	Low	High	X
<i>Calidris pusilla [M]</i>	Semipalmated Sandpiper	Low	High	X
<i>Catharus fuscescens</i>	Veery	Low	High	X
<i>Certhia americana</i>	Brown Creeper	Low	High	X
<i>Chaetura pelagica</i>	Chimney Swift	Low	High	X
<i>Cistothorus palustris</i>	Marsh Wren	Low	High	X
<i>Coturnicops noeboracensis [M]</i>	Yellow Rail	Low	High	
<i>Empidonax traillii</i>	Willow Flycatcher	Low	High	X
<i>Empidonax virescens</i>	Acadian Flycatcher	Low	High	X
<i>Eremophila alpestris</i>	Horned Lark	Low	High	
<i>Falco sparverius</i>	American Kestrel	Low	High	X
<i>Gallinago delicata</i>	Wilson's Snipe	Low	High	
<i>Gallinula galeata</i>	Common Gallinule	Low	High	X
<i>Icteria virens</i>	Yellow-breasted Chat	Low	High	X
<i>Limosa fedoa [M]</i>	Marbled Godwit	Low	High	

Scientific Name*	Common Name	RSGCN Responsibility	RSGCN Concern	MD SGCN
Birds cont.				
<i>Mniotilta varia</i>	Black-and-white Warbler	Low	High	X
<i>Phalaropus tricolor</i>	Wilson's Phalarope	Low	High	
<i>Piranga rubra</i>	Summer Tanager	Low	High	
<i>Rallus longirostris</i>	Clapper Rail	Low	High	X
<i>Riparia riparia</i>	Bank Swallow	Low	High	X
<i>Setophaga americana</i>	Northern Parula	Low	High	X
<i>Setophaga caerulescens</i>	Black-throated Blue Warbler	Low	High	X
<i>Setophaga citrina</i>	Hooded Warbler	Low	High	X
<i>Setophaga fusca</i>	Blackburnian Warbler	Low	High	X
<i>Setophaga tigrina</i>	Cape May Warbler	Low	High	
<i>Setophaga virens</i>	Black-throated Green Warbler	Low	High	X
<i>Somateria mollissima</i>	Common Eider	Low	High	
<i>Spiza americana</i>	Dickcissel	Low	High	X
<i>Vireo flavifrons</i>	Yellow-throated Vireo	Low	High	X
Reptiles and Amphibians				
<i>Glyptemys insculpta</i>	Wood Turtle	High	V. High	X
<i>Glyptemys mühlenbergii</i>	Bog Turtle	High	V. High	X
<i>Malaclemys terrapin terrapin</i>	Northern Diamondback Terrapin	High	V. High	X
<i>Plestiodon anthracinus anthracinus</i>	Northern Coal Skink	High	V. High	X
<i>Coluber constrictor constrictor</i>	Northern Black Racer	High	High	
<i>Eurycea longicauda</i>	Longtail Salamander	High	High	
<i>Pseudacris kalmi</i>	New Jersey Chorus Frog	High	High	
<i>Pseudemys rubriventris</i>	Northern Red-bellied Cooter	High	High	
<i>Pseudotriton ruber</i>	Red Salamander	High	High	
<i>Desmognathus monticola</i>	Seal Salamander	High	Mod.	X
<i>Gyrinophilus porphyriticus porphyriticus</i>	Northern Spring Salamander	High	Mod.	X
<i>Plethodon hoffmani</i>	Valley and Ridge Salamander	High	Mod.	X
<i>Desmognathus fuscus</i>	Northern Dusky Salamander	High	Low	
<i>Desmognathus ochrophaeus</i>	Allegheny Mountain Dusky Salamander	High	Low	
<i>Diadophis punctatus edwardsii</i>	Northern Ring-necked Snake	High	Low	
<i>Eurycea bislineata</i>	Northern Two-lined Salamander	High	Low	
<i>Gyrinophilus porphyriticus</i>	Spring Salamander	High	low	
<i>Gyrinophilus porphyriticus duryi</i>	Kentucky Spring Salamander	High	Low	
<i>Plethodon cylindraceus</i>	White-spotted Slimy Salamander	High	low	
<i>Plethodon glutinosus</i>	Slimy Salamander	High	Low	
<i>Plethodon punctatus</i>	White-spotted Salamander	High	Low	

Scientific Name*	Common Name	RSGCN Responsibility	RSGCN Concern	MD SGCN
Reptiles and Amphibians cont.				
<i>Plethodon wehrlei</i>	Wehrle's Salamander	High	Low	X
<i>Storeria dekayi dekayi</i>	Brownsnake	High	Low	
<i>Thamnophis brachystoma</i>	Short-headed Gartersnake	High	Low	
<i>Desmognathus orestes</i>	Blue Ridge Dusky Salamander	High	Limited	
<i>Gyrinophilus subterraneus</i>	West Virginia Spring Salamander	High	Limited	
<i>Plethodon hubrichti</i>	Peaks of Otter Salamander	High	Limited	
<i>Plethodon kentucki</i>	Cumberland Plateau Salamander	High	Limited	
<i>Plethodon nettingi</i>	Cheat Mountain Salamander	High	Limited	
<i>Plethodon shenandoah</i>	Shenandoah Salamander	High	Limited	
<i>Plethodon virginia</i>	Shenandoah Mountain Salamander	High	Limited	
<i>Virginia pulchra</i>	Mountain Earthsnake	High	Limited	X
<i>Ambystoma laterale & jeffersonianum</i>	Blue-spotted Salamander complex	Low	V. High	
<i>Ambystoma tigrinum</i>	Tiger Salamander	Low	V. High	
<i>Aneides aeneus</i>	Green Salamander	Low	V. High	X
<i>Caretta caretta</i>	Loggerhead	Low	V. High	X
<i>Cemophora coccinea copei</i>	Northern Scarletsnake	Low	V. High	
<i>Chelonia mydas</i>	Green Turtle	Low	V. High	X
<i>Clemmys guttata</i>	Spotted Turtle	Low	V. High	X
<i>Crotalus horridus</i>	Timber Rattlesnake	Low	V. High	X
<i>Cryptobranchus alleganiensis</i>	Eastern Hellbender	Low	V. High	X
<i>Dermochelys coriacea</i>	Leatherback	Low	V. High	X
<i>Emydoidea blandingii</i>	Blanding's Turtle	Low	V. High	
<i>Eretmochelys imbricata imbricata</i>	Atlantic Hawksbill	Low	V. High	X
<i>Heterodon platirhinos</i>	Eastern Hog-nosed Snake	Low	V. High	
<i>Lepidochelys kempii</i>	Kemp's Ridley Sea Turtle	Low	V. High	X
<i>Lithobates virgatipes</i>	Carpenter Frog	Low	V. High	X
<i>Pantherophis guttatus</i>	Red Cornsnake	Low	V. High	X
<i>Pseudacris brachyphona</i>	Mountain Chorus Frog	Low	V. High	X
<i>Pseudotriton montanus montanus</i>	Eastern Mud Salamander	Low	V. High	X
<i>Regina septemvittata</i>	Queen Snake	Low	V. High	
<i>Scaphiopus holbrookii</i>	Eastern Spadefoot	Low	V. High	
<i>Terrapene carolina carolina</i>	Eastern Box Turtle	Low	V. High	X
<i>Thamnophis sauritus</i>	Eastern Ribbonsnake	Low	V. High	X
<i>Acris crepitans</i>	Northern Cricket Frog	Low	High	
<i>Agkistrodon contortrix</i>	Copperhead	Low	High	
<i>Ambystoma opacum</i>	Marbled Salamander	Low	High	



Scientific Name*	Common Name	RSGCN Responsibility	RSGCN Concern	MD SGCN
Reptiles and Amphibians cont.				
<i>Anaxyrus fowleri</i>	Fowler's Toad	Low	High	
<i>Apalone spinifera spinifera</i>	Spiny Softshell	Low	High	X
<i>Graptemys geographica</i>	Northern Map Turtle	Low	High	X
<i>Liochlorophis vernalis</i>	Smooth Greensnake	Low	High	X
<i>Lithobates pipiens</i>	Northern Leopard Frog	Low	High	
<i>Necturus maculosus</i>	Mudpuppy	Low	High	X
<i>Opheodrys aestivus</i>	Rough Greensnake	Low	High	
<i>Plestiodon laticeps</i>	Broad-headed Skink	Low	High	
Fishes				
<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	High	V. High	X
<i>Acipenser oxyrinchus</i>	Atlantic Sturgeon	High	V. High	X
<i>Ammodytes americanus</i>	American Sand Lance	High	V. High	
<i>Enneacanthus obesus</i>	Banded Sunfish	High	V. High	X
<i>Fundulus luciae</i>	Spotfin Killifish	High	V. High	X
<i>Ichthyomyzon greeleyi</i>	Mountain Brook Lamprey	High	V. High	
<i>Notropis bifrenatus</i>	Bridle Shiner	High	V. High	X
<i>Percina macrocephala</i>	Longhead Darter	High	V. High	
<i>Alosa aestivalis</i>	Blueback Herring	High	High	
<i>Alosa mediocris</i>	Hickory Shad	High	High	X
<i>Alosa pseudoharengus</i>	Alewife	High	High	X
<i>Etheostoma vitreum</i>	Glassy Darter	High	High	X
<i>Exoglossum laurae</i>	Tonguetied Minnow	High	High	
<i>Notropis amoenus</i>	Comely Shiner	High	High	X
<i>Percina notogramma</i>	Stripeback Darter	High	High	X
<i>Percina peltata</i>	Shield Darter	High	High	
<i>Apeltes quadracus</i>	Fourspine Stickleback	High	Mod.	
<i>Cottus girardi</i>	Potomac Sculpin	High	Mod.	
<i>Dasyatis centroura</i>	Roughtail Stingray	High	Mod.	
<i>Etheostoma variatum</i>	Variagate Darter	High	Mod.	
<i>Leucoraja garmani</i>	Rosette Skate	High	Mod.	
<i>Microgadus tomcod</i>	Atlantic Tomcod	High	Mod.	
<i>Notropis proce</i>	Swallowtail Shiner	High	Mod.	
<i>Noturus flavus</i>	Stonecat	High	Mod.	X
<i>Opsanus tau</i>	Oyster Toadfish	High	Mod.	
<i>Percina oxyrhynchus</i>	Sharpnose Darter	High	Mod.	
<i>Pseudopleuronectes americanus</i>	Winter Flounder	High	Mod.	

Scientific Name*	Common Name	RSGCN Responsibility	RSGCN Concern	MD SGCN
Fishes cont.				
<i>Tautoglabrus adspersus</i>	Cunner	High	Mod.	
<i>Alopias vulpinus</i>	Common Thresher Shark	High	Low	
<i>Amblyraja radiata</i>	Thorny Skate	High	Low	X
<i>Clupea harengus</i>	Atlantic Herring	High	Low	
<i>Cottus caeruleomentum</i>	Blue Ridge Sculpin	High	Low	
<i>Cyprinella analostana</i>	Satinfin Shiner	High	Low	
<i>Exoglossum maxillingua</i>	Cutlip Minnow	High	Low	
<i>Fundulus heteroclitus</i>	Mummichog	High	Low	
<i>Fundulus majalis</i>	Striped Killifish	High	Low	
<i>Hemirhamphus americanus</i>	Sea Raven	High	Low	
<i>Hybognathus regius</i>	Eastern Silvery Minnow	High	Low	
<i>Isurus oxyrinchus</i>	Shortfin Mako	High	Low	
<i>Lamna nasus</i>	Porbeagle	High	Low	
<i>Lepomis auritus</i>	Redbreast Sunfish	High	Low	
<i>Leucoraja erinacea</i>	Little Skate	High	Low	
<i>Leucoraja ocellata</i>	Winter Skate	High	Low	
<i>Lophius americanus</i>	Goosefish	High	Low	
<i>Malacoraja senta</i>	Smooth Skate	High	Low	X
<i>Menidia menidia</i>	Atlantic Silverside	High	Low	
<i>Merluccius bilinearis</i>	Silver Hake	High	Low	
<i>Paralichthys oblongus</i>	Fourspot Flounder	High	Low	
<i>Peprilus triacanthus</i>	Butterfish	High	Low	
<i>Prionace glauca</i>	Blue Shark	High	Low	
<i>Prionotus carolinus</i>	Northern Searobin	High	Low	
<i>Prionotus evolans</i>	Striped Searobin	High	Low	
<i>Scomber scombrus</i>	Atlantic Mackerel	High	Low	
<i>Scophthalmus aquosus</i>	Windowpane	High	Low	
<i>Semotilus corporalis</i>	Fallfish	High	Low	
<i>Sphyrna zygaena</i>	Smooth Hammerhead	High	Low	
<i>Squalus acanthias</i>	Spiny Dogfish	High	Low	
<i>Tautoga onitis</i>	Tautog	High	Low	
<i>Umbra pygmaea</i>	Eastern Mudminnow	High	Low	
<i>Urophycis chuss</i>	Red Hake	High	Low	
<i>Zoarcetes americanus</i>	Ocean Pout	High	Low	
<i>Dipturus laevis</i>	Barndoor Skate	High	Limited	X
<i>Myoxocephalus octodecemspinosus</i>	Longhorn Sculpin	High	Limited	

Scientific Name*	Common Name	RSGCN Responsibility	RSGCN Concern	MD SGCN
Fishes cont.				
<i>Sphoeroides maculatus</i>	Northern Puffer	High	Limited	
<i>Squatina dumeril</i>	Atlantic Angel Shark	High	Limited	
<i>Acipenser fulvescens</i>	Lake Sturgeon	Low	V. High	
<i>Alosa sapidissima</i>	American Shad	Low	V. High	X
<i>Ammocrypta pellucida</i>	Eastern Sand Darter	Low	V. High	
<i>Anguilla rostrata</i>	American Eel	Low	V. High	
<i>Enneacanthus chaetodon</i>	Blackbanded Sunfish	Low	V. High	X
<i>Erimystax dissimilis</i>	Streamline Chub	Low	V. High	
<i>Etheostoma camurum</i>	Bluebreast Darter	Low	V. High	
<i>Etheostoma maculatum</i>	Spotted Darter	Low	V. High	
<i>Etheostoma tippecanoe</i>	Tippecanoe Darter	Low	V. High	
<i>Hiodon tergisus</i>	Mooneye	Low	V. High	
<i>Ichthyomyzon bdellium</i>	Ohio Lamprey	Low	V. High	
<i>Ichthyomyzon fossor</i>	Northern Brook Lamprey	Low	V. High	
<i>Lampetra aepyptera</i>	Least Brook Lamprey	Low	V. High	
<i>Lepomis gulosus</i>	Warmouth	Low	V. High	
<i>Lethenteron appendix</i>	American Brook Lamprey	Low	V. High	X
<i>Moxostoma carinatum</i>	River Redhorse	Low	V. High	
<i>Notropis chalybaeus</i>	Ironcolor Shiner	Low	V. High	X
<i>Noturus insignis</i>	Margined Madtom	Low	V. High	
<i>Percina copelandi</i>	Channel Darter	Low	V. High	
<i>Percina evides</i>	Gilt Darter	Low	V. High	
<i>Polyodon spathula</i>	Paddlefish	Low	V. High	
<i>Prosopium cylindraceum</i>	Round Whitefish	Low	V. High	
<i>Salmo salar</i>	Atlantic Salmon	Low	V. High	
<i>Salvelinus fontinalis</i>	Brook Trout	Low	V. High	X
<i>Acantharchus pomotis</i>	Mud Sunfish	Low	High	
<i>Salvelinus alpinus oquassa</i>	Arctic Char	Low	Low	
<i>Ameiurus melas</i>	Black Bullhead	Low	High	
<i>Amia calva</i>	Bowfin	Low	High	X
<i>Catostomus catostomus</i>	Longnose Sucker	Low	High	X
<i>Coregonus clupeaformis</i>	Lake Whitefish	Low	High	
<i>Cottus cognatus</i>	Slimy Sculpin	Low	High	
<i>Etheostoma fusiforme</i>	Swamp Darter	Low	High	X
<i>Ichthyomyzon unicuspis</i>	Silver Lamprey	Low	High	
<i>Lota lota</i>	Burbot	Low	High	

Scientific Name*	Common Name	RSGCN Responsibility	RSGCN Concern	MD SGCN
Fishes cont.				
<i>Salvelinus namaycush</i>	Lake Trout	Low	High	
<i>Sander canadensis</i>	Sauger	Low	High	
Tiger Beetles				
<i>Cicindela ancocisconensis</i>	Appalachian Tiger Beetle	High	High	X
<i>Cicindela marginipennis</i>	Cobblestone Tiger Beetle	High	High	
<i>Cicindela patruela consentanea</i>	Northern Barrens Tiger Beetle	High	High	X
<i>Cicindela dorsalis dorsalis</i>	Northeastern Beach Tiger Beetle	High	V. High	X
<i>Cicindela puritana</i>	Puritan Tiger Beetle	High	V. High	X
<i>Cicindela rufiventris hentzi</i>	Hentz's Red-bellied Tiger Beetle	High	V. High	
<i>Cicindela abdominalis</i>	Eastern Pinebarrens Tiger Beetle	Low	High	X
<i>Cicindela dorsalis media</i>	White Tiger Beetle	Low	High	X
<i>Cicindela lepida</i>	Ghost Tiger Beetle	Low	High	X
<i>Cicindela patruela</i>	Barrens Tiger Beetle	Low	High	X
<i>Cicindela unipunctata</i>	One-spotted Tiger Beetle	Low	High	X
Freshwater Mussels				
<i>Alasmidonta heterodon</i>	Dwarf Wedgemussel	High	V. High	X
<i>Alasmidonta varicosa</i>	Brook Floater	High	V. High	X
<i>Elliptio fisheriana</i>	Northern Lance	High	V. High	X
<i>Lampsilis cariosa</i>	Yellow Lampmussel	High	V. High	X
<i>Lasmigona subviridis</i>	Green Floater	High	V. High	X
<i>Leptodea ochracea</i>	Tidewater Mucket	High	V. High	X
<i>Ligumia nasuta</i>	Eastern Pondmussel	High	V. High	X
<i>Alasmidonta undulata</i>	Triangle Floater	High	High	X
<i>Anodonta implicata</i>	Alewife Floater	High	High	X
<i>Lampsilis radiata</i>	Eastern Lampmussel	High	Mod.	X
<i>Epioblasma torulosa gubernaculum</i>	Green Blossom	High	Limited	
<i>Pleurobema collina</i>	James Spinymussel	High	Limited	
<i>Villosa perpurpurea</i>	Purple Bean	High	Limited	
<i>Alasmidonta marginata</i>	Elktoe	Low	V. High	
<i>Ligumia recta</i>	Black Sandshell	Low	V. High	
<i>Truncilla truncata</i>	Deertoe	Low	V. High	
<i>Anodontoides ferussacianus</i>	Cylindrical Papershell	Low	High	
<i>Lampsilis fasciola</i>	Wavyrayed Lampmussel	Low	High	
<i>Lampsilis ovata</i>	Pocketbook	Low	High	
<i>Lasmigona compressa</i>	Creek Heelsplitter	Low	High	
<i>Leptodea fragilis</i>	Fragile Papershell	Low	High	



Scientific Name*	Common Name	RSGCN Responsibility	RSGCN Concern	MD SGCN
Freshwater Mussels cont.				
<i>Margaritifera margaritifera</i>	Eastern Pearlshell	Low	High	
<i>Villosa iris</i>	Rainbow	Low	High	
Other Federally Listed Invertebrate Taxa				
<i>Nicrophorus americanus</i>	American burying beetles	N/A	N/A	
<i>Lycaeides melissa samuelis</i>	Karner blue butterfly	N/A	N/A	
<i>Neonympha mitchellii mitchellii</i>	Mitchell's satyr butterfly	N/A	N/A	
<i>Microhexura montivaga</i>	Spruce-fir moss spider	N/A	N/A	
<i>Succinea chittenangoensis</i>	Chittenango ovate amber snail	N/A	N/A	
<i>Triodopsis platysayoides</i>	Flat-spired three-toothed snail	N/A	N/A	
<i>Polygyriscus virginianus</i>	Virginia fringed mountain snail	N/A	N/A	
<i>Stygobromus hayi</i>	Hay's spring amphipod	N/A	N/A	
<i>Stygobromus kenki</i>	Kenk's amphipod	N/A	N/A	
<i>Lirceus usdagalun</i>	Lee County Cave Isopod	N/A	N/A	
<i>Antrolana lira</i>	Madison Cave isopod	N/A	N/A	

*[B,M,W,A,E]=[Breeding, Migratory, Wintering, Atlantic, Eastern population]

RSGCN Concern: Northeast conservation concern ranking. For Very High, High, Moderate, Low, >75%, >50%, >25%, and <25% of occupied states met criteria for conservation concern. Limited indicates 3 or fewer states occupied in the Northeast. **RSGCN Responsibility:** Northeast conservation responsibility ranking, where High indicates the region harbors >50% of species distribution, Low is <50%. **Expected States:** Northeast with species presence expected due to tracking or documentation by NatureServe, Natural Heritage member programs, or NALCC. Expected states may not agree with known species ranges due to gaps in data or tracking. **State Data Coverage:** Proportion of Northeast states represented by presence data compiled by NALCC from many sources. 100% coverage means data were acquired for all expected states. **Data QC %Confident:** Northeast states and NatureServe completed a data quality control survey for all RSGCN. %Confident is the proportion of survey responses, across all questions and respondents, where responses met data quality standards. **Federal Status:** C-Candidate; E-Listed endangered; ET-Listed endangered & listed threatened; EE-Listed endangered, nonessential experimental population; T-Listed threatened; TS-Listed threatened due to similar appearance; DL-Delisted; PDL-Proposed delisted; PE-Proposed endangered; SC-Species of concern; R-NALCC Representative Species.



Appendix 3j. Rare and Uncommon Plants in Maryland and Associated Key Wildlife Habitats

Scientific Name	Common Name	Global Rank	State Rank	State Legal Status	Federal Legal Status	Habitat ¹	Key Wildlife Habitats
<i>Abies balsamea</i>	Balsam Fir	G5	S1			Mesic coves and outcrops at higher elevations.	Cove Forest
<i>Aconitum uncinatum</i>	Blue Monkshood	G4	S1	E		Rich, montane alluvial woods and river banks.	Montane-Piedmont Floodplain
<i>Actaea podocarpa</i>	American Bugbane	G4	S2			Rich montane forests.	Montane-Piedmont Oak-Pine Forest
<i>Adlumia fungosa</i>	Climbing Fumitory	G4	S2	T		Rocky woodlands, cliffs and outcrops over mafic to slightly acidic siltstones, sandstones and shales.	Basic Glade and Barren, Acidic Glade and Barren
<i>Aeschynomene virginica</i>	Sensitive Joint-vetch	G2	S1	E	LT	Fresh tidal marshes.	Tidal Freshwater Marsh and Shrubland
<i>Agalinis acuta</i>	Sandplain Gerardia	G1	S1	E	LE	Remnant grassland and barrens (savannas) over ultramafic (serpentine) to acidic (sand) substrates.	Serpentine Barren
<i>Agalinis auriculata</i>	Earleaf False Foxglove	G3	S1	E		Meadows and woodland borders over mafic or calcareous substrates.	Basic Glade and Barren
<i>Agalinis obtusifolia</i>	Ten-lobe False Foxglove	G4G5Q	SH	X		Sandy barrens and woodland glades.	Acidic Glade and Barren, Serpentine Barren
<i>Agalinis setacea</i>	Threadleaf Gerardia	G5?	S2	E		Sandy fields and roadsides, inland sand dune and ridge woodlands.	Coastal Plain Oak-Pine Forest
<i>Agalinis skinneriana</i>	Pale False Foxglove	G3G4	S1	E		Sandy roads, barrens and fields.	Coastal Plain Oak-Pine Forest, Roadsides and Utility Rights-of-Way
<i>Agastache scrophulariifolia</i>	Purple Giant-hyssop	G4	S1S2	T		Forest clearings, field edges, roadsides.	Roadsides and Utility Rights-of-Way
<i>Agrimonia microcarpa</i>	Small-fruited Agrimony	G5	S1?			Dry-mesic oak and dry pine-oak forests and woodlands over rocky, sandy or gravelly substrates.	Montane-Piedmont Oak-Pine Forest
<i>Agrimonia striata</i>	Woodland Agrimony	G5	S1	E		Basic mesic forests, rich bottomland forests.	Basic Mesic Forest, Coastal Plain Floodplain
<i>Aletris aurea</i>	Golden Colicroot	G5	SH	X		Acidic seepage wetlands.	Coastal Plain Seepage Swamp
<i>Alnus maritima</i>	Seaside Alder	G3	S3.1			Ecotones between fresh tidal marshes and tidal swamps, open-canopy Atlantic white cedar swamps.	Tidal Freshwater Marsh and Shrubland
<i>Amaranthus pumilus</i>	Seabeach Amaranth	G2	S1	E	LT	Barrier island beaches, foredunes.	Coastal Beach
<i>Amelanchier humilis</i>	Running Shadbush	G5	S1	T		Outcrops of limestone or other calcium-bearing substrates.	Cliff and Rock Outcrop
<i>Amelanchier nantucketensis</i>	Nantucket Shadbush	G3Q	S1	T		Ancient bedrock scour bar terraces and cliff faces.	Cliff and Rock Outcrop
<i>Amelanchier sanguinea</i>	Roundleaf Serviceberry	G5	S1	E		Outcrops of calcareous shale or limestone.	Cliff and Rock Outcrop



Scientific Name	Common Name	GR	SR	SLS	FLS	Habitat ¹	Key Wildlife Habitats
<i>Amelanchier spicata</i>	Running Serviceberry	G5	S2			Outcrops of acidic rock, sandstone glades.	Cliff and Rock Outcrop, Acidic Glade and Barren
<i>Amianthium muscitoxicum</i>	Fly-poison	G4G5	S2			Sandy or rocky knolls in open, dry-mesic forests.	Montane-Piedmont Oak-Pine Forest, Coastal Plain Oak-Pine Forest
<i>Ammannia latifolia</i>	Koehne Ammannia	G5	S2			Brackish to fresh tidal marshes.	Tidal Brackish Marsh and Shrubland, Tidal Freshwater Marsh and Shrubland
<i>Amphicarpum amphicarpon</i>	Blue Maidencane	G4	S3			Sandy soils, frequent in clearings under powerlines and edges of pine flatwoods.	Roadsides and Utility Rights-of-Way, Mesic Mixed Hardwood Forest, Roadside and Utility Rights-of-Way
<i>Anagallis minima</i>	Chaffweed	G5	SU	X		Meadows, moist soils.	Acidic Glade and Barren
<i>Anaphalis margaritacea</i>	Pearly Everlasting	G5	S3			Dry to moist gravelly or sandy soils, old fields and clearings.	Acidic Glade and Barren
<i>Anemone canadensis</i>	Canada Anemone	G5	SH	X		Mesic hardwood forests.	Mesic Mixed Hardwood Forest
<i>Anemone lancifolia</i>	Mountain Thimbleweed	G5	S1?			Basic mesic forest (calcareous shale).	Basic Mesic Forest
<i>Angelica atropurpurea</i>	Great Angelica	G5	SH	X		Shell-marl.	Coastal Plain Oak-Pine Forest
<i>Angelica triquinata</i>	Filmy Angelica	G4	S1	E		Rich, mesic northern hardwood forests; Appalachian fens.	Hemlock-Northern Hardwood Forest, Montane Bog and Fen
<i>Antennaria solitaria</i>	Single-head Pussytoes	G5	S2	T		Oak-beech-heath bluffs and woodlands often on steep, actively eroding slopes and occasionally on tip-up mounds of fallen trees.	Coastal Plain Oak-Pine Forest
<i>Anthoxanthum hirtum</i>	Vanilla Grass, Holy Grass	G4G5	S1	E		Streambanks and seeps over serpentine.	Serpentine Barren
<i>Arabis patens</i>	Spreading Rockcress	G3	S3			Dry-mesic calcareous forests, boulderfield forests, northern hardwood forests.	Hemlock-Northern Hardwood Forest, Basic Glade and Barren
<i>Arabis pycnocarpa</i> var. <i>adpressipilis</i>	Hairy Rockcress	G5T4Q	S1S2			Limestone outcrops and cliffs, basic mesic forest, rich boulderfield woodlands.	Cliff and Rock Outcrop, Basic Mesic Forest, Basic Glade and Barren
<i>Arabis pycnocarpa</i> var. <i>pycnocarpa</i>	Western Hairy Rockcress	G5T5	S1			Limestone bluff.	Cliff and Rock Outcrop
<i>Aralia hispida</i>	Bristly Sarsaparilla	G5	S1	E		Dry, often rocky or sandy barrens.	Basic Glade and Barren
<i>Aralia racemosa</i>	American Spikenard	G4G5	S2S4			Basic mesic forest; openings amongst outcrops in rich soils.	Basic Mesic Forest
<i>Arctostaphylos uva-ursi</i>	Bearberry	G5	S1	E		Exposed summit of shale ridge.	Shale Barren
<i>Arethusa bulbosa</i>	Dragon's Mouth Orchid	G4	SH	X		Fall Line terrace gravel bog.	Coastal Plain Seepage Bog and Fen
<i>Aristida lanosa</i>	Woolly Three-awn	G5	S1	E		Dry sandy openings of inland sand dunes and ridges.	Coastal Plain Oak-Pine Forest
<i>Aristida tuberculosa</i>	Seabeach Needlegrass	G5	S3			Dry, open woodlands and dwarf shrublands dominated by <i>Hudsonia tomentosa</i> .	Coastal Plain Oak-Pine Forest
<i>Aristida virgata</i>	Wand-like Three-awn Grass	G5	S1S2	E		Seasonally wet to dry sandy and/or peaty soils of clearings and acidic seeps.	Coastal Plain Seepage Swamp, Roadside and Utility Rights-of-Way
<i>Armoracia lacustris</i>	Lake-cress	G4?	S1	E		Marsh in muck soils.	Montane-Piedmont Floodplain
<i>Arnica acaulis</i>	Leopard's-bane	G4	S1	E		Seepage meadow underlain by ultramafic substrate.	Serpentine Barren
<i>Arnoglossum reniforme</i>	Great Indian-plantain	G4	SH	X		Rich alluvial woods.	Montane-Piedmont Floodplain
<i>Aronia prunifolia</i>	Purple Chokeberry	G4G5Q	S3			Acidic seepage swamps.	Montane-Piedmont Acidic Seepage Swamp



Scientific Name	Common Name	GR	SR	SLS	FLS	Habitat ¹	Key Wildlife Habitats
<i>Arundinaria tecta</i>	Switch Cane	G5	S2			Fresh tidal swamp forests, acidic seepage swamps.	Coastal Plain Seepage Swamp, Tidal Forest
<i>Asclepias lanceolata</i>	Smooth Orange Milkweed	G5	S1			Fringing areas of emergent vegetation in fresh tidal habitats.	Tidal Freshwater Marsh and Shrubland
<i>Asclepias purpurascens</i>	Purple Milkweed	G5	S2			Meadows, thickets and clearings in rich (often alluvial) soils.	Montane-Piedmont Floodplain
<i>Asclepias rubra</i>	Red Milkweed	G4G5	S1	E		Acidic seepage wetlands and boggy habitats.	Coastal Plain Seepage Bog and Fen, Roadsides and Utility Rights-of-Way
<i>Asclepias verticillata</i>	Whorled Milkweed	G5	S3			This species occurs in a variety of dry, open-canopy barrens, thin-canopied woodlands and outcrops and over a variety of substrates ranging from acidic (dry sands) to mafic (limestone, shale) and ultramafic substrates (serpentine).	Acidic Glade and Barren, Basic Glade and Barren, Serpentine Barren
<i>Asplenium bradleyi</i>	Bradley's Spleenwort	G4	SH	X		Rock crevices of outcrops.	Cliff and Rock Outcrop
<i>Asplenium pinnatifidum</i>	Lobed Spleenwort	G4	S1	E		Outcrops of sandstone, quartzite, phyllite and other felsic rocks.	Cliff and Rock Outcrop
<i>Asplenium resiliens</i>	Black-stem Spleenwort	G5	S1	E		Limestone cliffs.	Cliff and Rock Outcrop
<i>Asplenium ruta-muraria</i>	Wallrue Spleenwort	G5	S3			Limestone bluffs or other mafic outcrops.	Cliff and Rock Outcrop
<i>Astragalus canadensis</i>	Canadian Milkvetch	G5T5	S1	E		Scoured bedrock terraces, rocky dry woodlands.	Montane-Piedmont Floodplain, Montane-Piedmont Oak-Pine Forest
<i>Astragalus distortus</i>	Ozark Milkvetch	G5	S2	T		Shale barrens and shale cliffs.	Shale Barren
<i>Atriplex mucronata</i>	Seabeach Orach/Crested Saltbush	G5	S1S2			Overwash flats and bayside salt marshes.	Tidal Salt Marsh and Shrubland
<i>Aureolaria flava</i>	Smooth Yellow False Foxglove	G5	S3			Upland oak forests and woodlands, river bluffs, rocky forested slopes.	Montane-Piedmont Oak-Pine Forest
<i>Aureolaria laevigata</i>	Downy Yellow Foxglove	G5	SU			Rich woods, river bluff forests, rocky slopes.	Mesic Mixed Hardwood Forest, Cliff and Rock Outcrop
<i>Axonopus furcatus</i>	Big Carpetgrass	G5	S2?			Sandy roadsides, ditches, powerlines.	Roadsides and Utility Right-of-Way
<i>Bacopa innominata</i>	Tropical Water-hyssop	G3G5	SH	X		Fresh tidal shores and mudflats.	Tidal Freshwater Marsh and Shrubland
<i>Baptisia australis</i>	Blue Wild Indigo	G5	S2	T		Prairie-like scour bars, depositional bars, rocky alluvial flats.	Montane-Piedmont Floodplain, Coastal Plain Floodplain
<i>Bartonia paniculata</i>	Twining Screwstem	G5T5	S3			Acidic seepage wetlands, in saturated, often peaty soils.	Montane-Piedmont Acidic Seepage Swamp, Coastal Plain Seepage Swamp
<i>Betula populifolia</i>	Gray Birch	G5	S1?			Quarries, roadsides, acidic seeps.	Roadsides and Utility Rights-of-Way, Montane-Piedmont Acidic Seepage Swamp, Coastal Plain Seepage Swamp
<i>Bidens bidentoides</i>	Maryland Bur-marigold	G3G4	S3.1			Fresh tidal marshes.	Tidal Freshwater Marsh and Shrubland
<i>Bidens mitis</i>	Small-fruit Beggarsticks	G4?	S1	E		Fresh tidal marshes, sea level fens.	Tidal Freshwater Marsh and Shrubland, Tidal Salt Marsh and Shrubland
<i>Bidens trichosperma</i>	Tickseed Sunflower	G5	S2S3			Fresh to brackish tidal marshes.	Tidal Freshwater Marsh and Shrubland, Tidal Brackish Marsh and Shrubland



Scientific Name	Common Name	GR	SR	SLS	FLS	Habitat ¹	Key Wildlife Habitats
<i>Blephilia ciliata</i>	Downy Woodmint	G5	S3S4			Dry to dry-mesic hardwood slopes and shale barren woodlands.	Hemlock-Northern Hardwood Forest, Acidic Glade and Barren
<i>Blephilia hirsuta</i>	Hairy Woodmint	G5	SH			Rich coves and northern hardwood forests.	Cove Forest, Hemlock-Northern Hardwood Forest
<i>Boltonia asteroides</i> var. <i>asteroides</i> '	Susquehanna Doll's-daisy	GNRTNR	SH			Rocky islands on the Susquehanna.	Montane-Piedmont Floodplain, Acidic Glade and Barren, Coastal Plain Floodplain
<i>Boltonia asteroides</i> var. <i>glastifolia</i>	White Doll's-daisy	G5TNR	S1	E		Delmarva bays, acidic seepage swamps.	Delmarva Bay
<i>Borodinia dentata</i>	Short's Rockcress	G5	S3			Floodplains and floodplain terraces and streambanks in sandy or silty substrates.	Montane-Piedmont Floodplain
<i>Borodinia missouriensis</i>	Missouri Rockcress	G5	S1	E		Ultramafic outcrop.	Serpentine Barren
<i>Borrichia frutescens</i>	Sea Oxeye	G5	SH	X		Salt marshes.	Tidal Salt Marsh and Shrubland
<i>Botrychium lanceolatum</i> var. <i>angustisegmentum</i>	Lanceleaf Grapefern	G5T4	S1	X		Mesic northern hardwood forest.	Hemlock-Northern Hardwood forest
<i>Botrychium matricariifolium</i>	Chamomile Grapefern	G5	S1?			Rich hardwood forests.	Cove Forest, Hemlock-Northern Hardwood Forest
<i>Botrychium simplex</i>	Least Grapefern	G5	SH	X		Woodland glades.	Acidic Glade and Barren, Basic Glade and Barren
<i>Bouteloua curtipendula</i>	Side-oats Grama	G5	S2			Woodlands and glades over marble, limestone and calcareous shale.	Basic Glade and Barren
<i>Bromus ciliatus</i>	Fringed Brome	G5	SH			Calcareous fen (apparently).	Montane Bog and Fen
<i>Bromus kalmii</i>	Wild Chess	G5	SH	X		Calcareous fen (apparently).	Montane Bog and Fen
<i>Bromus latiglumis</i>	Broad-glumed Brome	G5	S2	E		Floodplain forests and river bluffs, often over calcareous (limestone, shale, shell-marl) substrates.	Montane-Piedmont Floodplain, Cliff and Rock Outcrop, Coastal Plain Oak-Pine Forest
<i>Bromus nottowayanus</i>	Nottoway Brome	G3G5	S3S4			Floodplain forests and river bluffs.	Montane-Piedmont Floodplain, Cliff and Rock Outcrop
<i>Buchnera americana</i>	Bluehearts	G5?	SH	X		Barrens and glades including Piedmont serpentine barrens and coastal sand barrens.	Serpentine Barren, Acidic Glade and Barren Coastal Beach
<i>Calamagrostis porteri</i>	Porter's Reedgrass	G4T4	S3			Dry to mesic woodlands and oak-hickory forests, typically but not always over shale substrates, in a variety of topographic positions.	Oak-Hickory Forest, Mesic Mixed Hardwood Forest
<i>Calla palustris</i>	Wild Calla	G5	S1	E		Mountain peatland swamps.	Montane Bog and Fen
<i>Callicarpa americana</i>	French Mulberry	G5	SH	X		Rich woods.	Basic Mesic Forest
<i>Calopogon tuberosus</i>	Tuberous Grass-pink	G5	S1	E		Acidic seeps and peaty meadows.	Coastal Plain Seepage Swamp, Roadsides and Utility Rights-of-Way
<i>Calystegia spithamea</i> ssp. <i>spithamea</i>	Low Bindweed	G5T4T5	S2			Limestone, and other mafic glades and woodlands.	Basic Glade and Barren
<i>Campanula divaricata</i>	Southern Harebell	G4	SH	X		Sandstone and shale ledges.	Cliff and Rock Outcrop
<i>Campanula rotundifolia</i>	American Harebell	G5	S2			Outcrops of limestone, calcareous shale and serpentine.	Cliff and Rock Outcrop, Serpentine Barren
<i>Capnoides sempervirens</i>	Pale Corydalis	G5	S3			Sandstone glades and woodlands (Oriskany sandstone) and other outcrops of felsic rocks.	Acidic Glade and Barren
<i>Cardamine douglasii</i>	Purple Cress	G5	S3			Nutrient rich alluvial silts and loams in floodplain or mesic hardwood forests.	Coastal Plain Floodplain, Montane-Piedmont Floodplain
<i>Cardamine longii</i>	Long's Bittercress	G3?	S2	E		Fresh tidal marshes and intertidal shores.	Tidal Freshwater Marsh and Shrubland, Intertidal Mudflat and Sand Flat



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<i>Cardamine rotundifolia</i>	American Bittercress	G4	S3			Cold-water spring seeps and clear mountain streams.	Spring
<i>Carex aestivalis</i>	Summer Sedge	G4	S1	E		Rich, mesic woodland at high elevation.	Basic Mesic Forest
<i>Carex albursina</i>	White Bear Sedge	G5	S3			Occurs in a variety of forested habitats and in a variety of topographic positions but generally associated with basic (calcareous) substrates.	Basic Mesic Forest
<i>Carex appalachica</i>	Appalachian Sedge	G4	S1?			Dry to mesic woodlands and forest clearings.	Basic Mesic Forest, Basic Glade and Barren
<i>Carex aquatilis</i>	Water Sedge	G5	S1			Marsh/sedge meadow.	Coastal Plain Seepage Bog and Fen, Coastal Plain Seepage Swamp
<i>Carex argyrantha</i>	Hay Sedge	G5	S3			Sandy or rocky forests and clearings, generally at high elevations.	Acidic Glade and Barren
<i>Carex barrattii</i>	Barratt's Sedge	G4	S3			Forested or open-canopied nontidal wetlands.	Coastal Plain Flatwood and Depression Swamp
<i>Carex brunnescens</i>	Brownish Sedge	G5T5	S3			Rocky, usually montane, forests and forest clearings.	Montane-Piedmont Oak-Pine Forest
<i>Carex bullata</i>	Button Sedge	G5	S3			Delmarva bays, edges of forested swamps and other open-canopy nontidal wetlands.	Coastal Plain Flatwood and Depression Swamp, Delmarva Bay
<i>Carex buxbaumii</i>	Buxbaum's Sedge	G5	S2	T		Mountain peatland sedge meadows, acidic fens.	Montane Bog and Fen
<i>Carex careyana</i>	Carey's Sedge	G4G5	S1	E		Rich upland or floodplain woods, often over limestone.	Basic Mesic Forest, Montane-Piedmont Floodplain
<i>Carex cephaloidea</i>	Thin-leaved Sedge	G5	SH			Rich forests.	Basic Mesic Forest
<i>Carex conoidea</i>	Field Sedge	G5	S1	E		Wet meadows and glades.	Piedmont Seepage Wetland
<i>Carex cristatella</i>	Crested Sedge	G5	S1?			Wet meadows, swamps and floodplains of medium to large rivers.	Coastal Plain Floodplain
<i>Carex davisii</i>	Davis' Sedge	G4	S1	E		Rich floodplain forests in sandy/silty alluvium.	Coastal Plain Floodplain, Montane-Piedmont Floodplain
<i>Carex decomposita</i>	Cypress-knee Sedge	G3	S1	E		Potholes in rocky scour bar.	Montane-Piedmont Floodplain
<i>Carex diandra</i>	Lesser Panicked Sedge	G5	S1	E		Mountain peatland sedge meadow.	Montane Bog and Fen
<i>Carex digitalis var. macropoda</i>	Southern Slender Woodland Sedge	G5	S1?			Nutrient rich, mesic to dry forests.	Basic Mesic Forest
<i>Carex eburnea</i>	Ebony Sedge	G5	S1	E		Limestone outcrops.	Cliff and Rock Outcrop
<i>Carex echinata</i>	Prickly Sedge	G5	S3			Mountain peatland sedge meadows, open-canopied acidic seeps.	Montane Bog and Fen, Acidic Gade and Barren
<i>Carex emoryi</i>	Emory's Sedge	G5	S3			Rocky banks and bedrock scour wetlands of large rivers; rarely riverine swamps.	Montane-Piedmont Floodplain
<i>Carex exilis</i>	Coast Sedge	G5	S1	E		Atlantic white cedar (<i>Chaemacyparis thyoides</i>) swamps, peaty fens.	Coastal Plain Seepage Bog and Fen
<i>Carex fraseriana</i>	Fraser's Sedge	G4	S1	E		Rich, mesic, often old-growth oak forests.	Basic Mesic Forest
<i>Carex gigantea</i>	Giant Sedge	G4	S3			Seasonally flooded pools, swamp forests and floodplains.	Coastal Plain Flatwood and Depression Swamp, Coastal Plain Floodplain
<i>Carex glaucescens</i>	Southern Waxy Sedge	G4	S1	E		Moist areas in pine flatwoods in wet, acid and/or peaty soils.	Coastal Plain Flatwood and Depression Swamp
<i>Carex haydenii</i>	Cloud Sedge	G5	S1	E		Minerotrophic fens and forested or open-meadow seeps.	Montane Bog and Fen
<i>Carex hirtaefolia</i>	Pubescent Sedge	G5	S3			Nutrient rich dry to mesic forests, often in stream valleys.	Basic Mesic Forest, Montane-Piedmont Oak-Pine Forest



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<i>Carex hitchcockiana</i>	Hitchcock's Sedge	G5	S1	E		Upland forests over calcareous substrates (limestone, shell-marl), less commonly in rich alluvium.	Basic Mesic Forest, Coastal Plain Oak-Pine Forest
<i>Carex hyalinolepis</i>	Shoreline Sedge	G4G5	S2S3			Fresh to slightly brackish tidal marshes and swamp forests, often in large stands along cypress (<i>Taxodium distichum</i>) forest-marsh ecotones.	Tidal Freshwater Marsh and Shrubland, Tidal Brackish Marsh and Shrubland
<i>Carex hystericina</i>	Porcupine Sedge	G5	S1	E		Wet meadows over mafic or ultramafic substrates (most commonly associated with serpentine).	Serpentine Barren, Basic Glade and Barren
<i>Carex interior</i>	Inland Sedge	G5	S1			Seeps and streambanks over serpentine.	Serpentine Barren
<i>Carex jorii</i>	Joor's Sedge	G4G5	S3			Cypress-swamps, swampy meadows and Delmarva bays.	Coastal Plain Flatwood and Depression Swamp, Delmarva Bay, Maritime Swamp
<i>Carex lacustris</i>	Lake-bank Sedge	G5	S2			Mountain peatlands shrub swamps and sedge meadows, fresh tidal marshes and fens.	Montane Bog and Fen, Tidal Freshwater Marsh and Shrubland
<i>Carex lasiocarpa</i>	Slender Sedge	G5	S1	E		Mountain peatland sedge meadow.	Montane Bog and Fen
<i>Carex laxiculmis</i> var. <i>copulata</i>	Coupled Sedge	G5T3T5	S1?			Nutrient-rich, sandy alluvial forests.	Montane-Piedmont Floodplain
<i>Carex louisianica</i>	Louisiana Sedge	G5	S3			Floodplain forests, canopy gaps in swamp forests.	Coastal Plain Floodplain, Maritime Swamp
<i>Carex lucorum</i>	Blue Ridge Sedge	G4T4	S1			Dry woodland clearings and barrens.	Basic Glade and Barren
<i>Carex lupuliformis</i>	False Hop Sedge	G4	S2			Delmarva bays, open-canopied swamps, vernal pools.	Delmarva Bay, Vernal Pool, Maritime Swamp
<i>Carex meadii</i>	Mead's Sedge	G4	S1	E		Woodland clearings and barrens over ultramafic (diabase, serpentine) soils.	Basic Glade and Barren, Serpentine Barren
<i>Carex michauxiana</i>	Andre Michaux's Sedge	G5	SH			Acidic, forested seep.	Montane-Piedmont Acidic Seepage Swamp
<i>Carex mitchelliana</i>	Mitchell's Sedge	G4	S2			Swamp forests, lake shores, floodplains, fresh tidal forest/marsh ecotones.	Tidal Forest Coastal Plain Floodplain, Tidal Freshwater Marsh and Shrubland
<i>Carex oxylepis</i>	Sharpshale Sedge	G5?TNR	S1?			Floodplain forest.	Coastal Plain Floodplain
<i>Carex pedunculata</i>	Long-stalked sedge	G5	S1	E		Calcareous mesic forests and outcrops; montane alluvial forest.	Basic Mesic Forest, Montane-Piedmont Floodplain
<i>Carex pellita</i>	Wooly Sedge	G5	S2?			Wet meadows, ditches, pastures, forested wetlands over a variety of substrates ranging from acidic to ultramafic.	Piedmont Seepage Wetland
<i>Carex planispicata</i>	Flat-spiked Sedge	G4	S1S2			Rich, dry to mesic forests, often over mafic substrates.	Basic Mesic Forest
<i>Carex plantaginea</i>	Plantain-leaved Sedge	G5	S1?			Northern hardwood forests.	Hemlock-Northern Hardwood Forest
<i>Carex polymorpha</i>	Variable Sedge	G3	SH	X		Dry sandy forests, woodlands and barrens.	Montane-Piedmont Oak-Pine Forest
<i>Carex projecta</i>	Necklace Sedge	G5	S2			Wet meadows and fens at high elevations.	Piedmont Seepage Wetland, Montane Bog and Fen
<i>Carex richardsonii</i>	Richardson's Sedge	G4	S1	E		Serpentine barrens.	Serpentine Barren
<i>Carex sartwellii</i>	Sartwell's Sedge	G4G5	SH			Calcareous wet meadows.	Piedmont Seepage Wetland
<i>Carex shortiana</i>	Short's Sedge	G5	S2	T		Rich floodplain forests, meadows and woodlands in loamy soils.	Montane-Piedmont Floodplain
<i>Carex silicea</i>	Seabeach Sedge	G5	S1	E		Maritime woodland.	Maritime Forest and Shrubland
<i>Carex sparganioides</i>	Bur-reed Sedge	G5	S1S2			Rich forests, floodplains and meadows.	Basic Mesic Forest, Montane-Piedmont Floodplain



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<i>Carex straminea</i>	Eastern Straw Sedge	G5	S1S2			Seasonal pools, swamps, fresh tidal and nontidal marshes.	Vernal Pool, Coastal Plain Flatwood and Depression Swamp, Tidal Freshwater Marsh and Shrubland
<i>Carex striatula</i>	Lined Sedge	G5	S3			Associated with dry hardwood forests, particularly over acidic sand and gravel deposits.	Oak-Hickory Forest
<i>Carex tenera</i>	Slender Sedge	G5	SH	X		Floodplain forests.	Montane-Piedmont Floodplain, Coastal Plain Floodplain
<i>Carex tetanica</i>	Rigid Sedge	G4G5	S1	E		Calcareous meadow.	Piedmont Seepage Wetland
<i>Carex trichocarpa</i>	Hairy-fruited Sedge	G4	S2			Wet meadows and open stream banks.	Piedmont Seepage Wetland
<i>Carex tuckermanii</i>	Tuckerman's Sedge	G4	S1	E		Floodplain pools.	Montane-Piedmont Floodplain
<i>Carex venusta</i>	Dark Green Sedge	G4T4	S3			Powerline swales, forest clearings and other open-canopied meadows in seasonally saturated sandy or peaty soils.	Roadsides and Utility Rights-of-Way
<i>Carex vesicaria</i>	Inflated Sedge	G5	S1	T		Montane vernal pools, Delmarva Bays.	Vernal Pool Delmarva Bay
<i>Carex vestita</i>	Velvety Sedge	G5	S2	T		Open, sandy or gravelly, seasonally saturated wetlands. The species thrives on disturbance, appearing in frequently mowed roadsides, powerlines and even occasionally along recently graded sandy roadsides.	Coastal Plain Seepage Swamp, Vernal Pool, Roadside and Utility Rights-of-Way
<i>Carya laciniosa</i>	Big Shellbark Hickory	G5	S1	E		Rich floodplain forests.	Montane-Piedmont Floodplain
<i>Castanea dentata</i>	American Chestnut	G4	S2S3			Dry upland woods.	Oak-Hickory Forest
<i>Castilleja coccinea</i>	Scarlet Indian-paintbrush	G5	S1	E		Calcareous fens, meadows, and occasionally roadsides.	Montane Bog and Fen, Roadside and Utility Rights-of-Way
<i>Centella erecta</i>	Erect Coinleaf	G5	S3			Restricted to the Atlantic drainage in fresh to brackish marshes, ditches, and roadsides; widespread on the barrier island (Assateague).	Tidal Freshwater Marsh and Shrubland, Tidal Brackish Marsh and Shrubland, Maritime (Assateague)
<i>Centrosema virginianum</i>	Coastal Butterfly Pea	G5	S3			Dry sandy forests and woodlands, often in edge habitats.	Coastal Plain Oak-Pine Forest
<i>Cerastium velutinum var. villosissimum</i>	Octoraro Creek Chickweed	G5T1	S1			Serpentine barren.	Serpentine Barren
<i>Ceratophyllum echinatum</i>	Prickly Hornwort	G4?	S1	E		Floodplain pools, baymouth barrier wetlands (Sipple 1982) and occasionally lakes and ponds.	Coastal Plain Floodplain
<i>Chamaecrista fasciculata var. macrosperma</i>	Partridge Pea	G5T3	S1	E		Fresh tidal marshes.	Tidal Freshwater Marsh and Shrubland
<i>Chamaedapne calyculata</i>	Leatherleaf	G5	S1	E		Acidic seepage fens, "bogs".	Coastal Plain Seepage Bog and Fen
<i>Chamaelirium luteum</i>	Devil's-bit	G5	S2			Rich, dry to dry-mesic forests.	Basic Mesic Forest
<i>Chelone obliqua</i>	Red Turtlehead	G5	S2	T		Floodplain forests, ecotones of fresh tidal marshes.	Coastal Plain Floodplain, Tidal Freshwater Marsh and Shrubland
<i>Chenopodium simplex</i>	Giant-seed Goosefoot	G5	S2	E		Ridgetop forests, glades and outcrops over mafic to slightly acidic substrates.	High Elevation Ridge Forest, Cliff and Rock Outcrop
<i>Chenopodium standleyanum</i>	Standley's Goosefoot	G5	S2	E		Dry ridgetop forests; coastal shell deposits; shale glades, often growing in shade of red cedar (<i>Juniperus virginiana</i>).	High Elevation Ridge Forest, Shale Barren/Cliff and Rock Outcrop, Coastal Plain Oak-Pine Forest
<i>Chimaphila umbellata</i>	Common Wintergreen	G5T5	S3			Inland sand dune and ridge forests and woodlands, sandstone glades, dry ridgetop forests.	High Elevation Ridge Forest, Coastal Plain Oak-Pine Forest, Coastal Plain Pitch Pine Forest



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<i>Chrysogonum virginianum</i>	Green-and-gold	G5T5?	S3			Open to lightly shaded forests, roadsides, often over limestone but not strictly associated with mafic substrates.	Roadsides and Utility Rights-of-Way, Basic Mesic Forest
<i>Cicuta bulbifera</i>	Bulb-bearing Water-hemlock	G5	S1	E		Baymouth barrier wetland shrub swamps (Sipple 1982).	Coastal Plain Floodplain
<i>Cinna latifolia</i>	Slender Wood Reedgrass	G5	S3			Mesic, northern hardwood and forested swamps.	Basic Mesic Forest, Hemlock-Northern Hardwood Forest, Montane-Piedmont Acidic Seepage Swamp
<i>Cirsium horridulum</i>	Yellow Thistle	G5	S3			Meadows, often but not restricted to saline habitats, perhaps spreading along roadways.	Acidic Glade and Barren, Roadsides and Utility Rights-of-Way
<i>Cirsium muticum</i>	Swamp Thistle	G5	S3			Wet meadows, acidic seepage swamps, mountain peatlands.	Montane-Piedmont Acidic Seepage Swamp, Montane Bog and Fen
<i>Claytonia caroliniana</i>	Carolina Springbeauty	G5	S3			Mesic hardwood forests, montane floodplain forests.	Basic Mesic Forest, Montane-Piedmont Floodplain
<i>Cleistesioipsis divaricata</i>	Spreading Pogonia	G4	S1	E		Open-canopied acidic seepage wetland in sandy/peaty soils.	Coastal Plain Seepage Bog and Fen, Roadsides and Utility Rights-of-Way
<i>Clematis occidentalis</i>	Purple Clematis	G5T5	S1	E		Mafic outcrops, rich, mesic hardwood forests.	Mesic Mixed Hardwood Forest, Cliff and Rock Outcrop
<i>Clematis ochroleuca</i>	Curly-heads	G4	SH	X		Regionally, the species occurs in dry sandy or rocky soils of woodlands and rock outcrops.	Coastal Plain Oak-Pine Forest, Cliff and Rock Outcrop
<i>Clematis viorna</i>	Vase-vine Leatherflower	G5	S3			Rich bottomland forests.	Montane-Piedmont Floodplain, Coastal Plain Floodplain
<i>Clintonia allegheniensis</i>	Harned's Clintonia	G1Q	S1			Rocky, mesic to poorly drained northern hardwoods, often among sandstone (Pottsville Formation) boulders.	Hemlock-Northern Hardwood Forest, Basic Mesic Forest
<i>Clintonia borealis</i>	Clinton Lily	G5	S2	T		Forested seeps among northern hardwoods and hemlock and often among sandstone (Pottsville Formation) boulders.	Hemlock-Northern Hardwood Forest, Montane-Piedmont Acidic Seepage Swamp
<i>Coeloglossum viride</i>	Long-bract Green Orchis	G5T5	S1	E		Rich, deciduous forests.	Basic Mesic Forest, Cove Forest, Mesic Mixed Hardwood Forest
<i>Coelorachis rugosa</i>	Wrinkled Jointgrass	G5	S1	E		Delmarva bays, open-canopied acidic seeps.	Delmarva Bay, Coastal Plain Seepage Bog and Fen
<i>Commelina erecta</i>	Erect Dayflower	G5	S3			Dry, rocky or sandy woodlands and barrens.	Acidic Glade and Barren, Coastal Plain Oak-Pine Forest
<i>Coptis trifolia</i>	Goldthread	G5T5	S1	E		Mesic northern hardwoods frequently associated with hemlock (<i>Tsuga canadensis</i>). Historically known from the "Ammendale Bog" in Prince George's County (now extirpated) and from Druid Hill Park (Baltimore).	Hemlock-Northern Hardwood Forest
<i>Corallorhiza trifida</i>	Early Coralroot	G5	S1	E		Montane basic seepage swamps, black ash-hemlock and red spruce-hemlock swamps.	Montane-Piedmont Basic Seepage Swamp
<i>Corallorhiza wisteriana</i>	Spring Coralroot	G5	S1	E		Descriptions tend to the general, e.g., "rich woods" corresponding, on occasion, to basic mesics forests over limestone or coastal shell-marl deposits.	Basic Mesic Forest, Coastal Plain Oak-Pine Forest
<i>Coreopsis rosea</i>	Rose Coreopsis	G3	S1	E		Delmarva bays.	Delmarva Bay
<i>Coreopsis tripteris</i>	Tall Tickseed	G5	S1	E		Bedrock scour bars, riverside prairies, in rich alluvium.	Montane-Piedmont Floodplain
<i>Coreopsis verticillata</i>	Whorled Coreopsis	G5	S3			Dry meadows, roadsides, dry oak-hickory forests, forested serpentine barrens.	Oak-Hickory Forest, Serpentine Barren, Roadsides and Utility Rights-of-Way
<i>Cornus canadensis</i>	Bunchberry	G5	S1	E		Edge of shrub swamp.	Piedmont Seepage Wetland
<i>Cornus rugosa</i>	Roundleaf Dogwood	G5	S1	E		Limestone woodlands, often on steep and rocky slopes.	Basic Glade and Barren



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<i>Corylus cornuta</i>	Beaked Hazelnut	G5	S3			Thickets, forest edges and roadsides.	Roadsides and Utility Rights-of-Way
<i>Crassula aquatica</i>	Water Pygmyweed	G5	SH	X		Fresh tidal marshes.	Tidal Freshwater Marsh and Shrubland
<i>Crocantemum bicknellii</i>	Plains Frostweed	G5	S1	E		Serpentine grasslands.	Serpentine Barren
<i>Cuscuta coryli</i>	Hazel Dodder	G5?	SH	X		Brackish marshes. Hosts (from NHP records) include Iva, Desmodium, Baccharis, and Solidago.	Tidal Brackish Marsh and Shrubland
<i>Cuscuta indecora</i>	Bigseed Dodder	G5T5	S2?			Brackish marshes, coastal sand spits, growing on a variety of substrates (Iva, Baccharis, Solidago sempervirens), typically along dikes, roadside edges, occasionally beach-front dunes.	Tidal Brackish Marsh and Shrubland, Coastal Beach, Roadsides and Utility Rights-of-Way
<i>Cuscuta polygonorum</i>	Smartweed Dodder	G5	S1	E		Riverine marsh, oxbows.	Coastal Plain Floodplain, Montane-Piedmont Floodplain
<i>Cuscuta rostrata</i>	Beaked Dodder	G4	S1	E		“Mountaintop woods”, presumably a red spruce forest (<i>Picea rubens</i>) historically.	Hemlock-Northern Hardwood Forest, High Elevation Ridge Forest
<i>Cyperus dentatus</i>	Toothed Sedge	G4	SH	X		Sandy shorelines.	Intertidal Mudflat and Sand Flat
<i>Cyperus diandrus</i>	Umbrella Flatsedge	G5	SU			Interdunal swales; ponds.	Maritime Dune and Grassland
<i>Cyperus haspan</i>	Sheathed Flatsedge	G5	S1?			Fresh tidal marsh.	Tidal Freshwater Marsh and Shrubland
<i>Cyperus houghtonii</i>	Houghton’s Umbrella-sedge	G4?	S1			Shale barrens, rock outcrops.	Shale Barren, Cliff and Rock Outcrop
<i>Cyperus hystricinus</i>	Flatsedge	G4	S2			Open sandy soils, sandy alluvium.	Coastal Plain Floodplain
<i>Cyperus lancastricensis</i>	Many-flowered Umbrella-sedge	G5	SU			Dry to mesic sandy soils, often on eroding bluffs.	Coastal Bluff
<i>Cyperus plukenetii</i>	Plukenet’s Flatsedge	G5	SH	X		Sandy woodlands and barrens.	Coastal Plain Oak-Pine Forest
<i>Cyperus refractus</i>	Reflexed Flatsedge	G5	S2?			Sandy or rocky open woodlands, roadsides, field edges.	Acidic Glade and Barren, Roadsides and Utility Rights-of-Way
<i>Cyperus retrofractus</i>	Rough Flatsedge	G5	S2			Open, often xeric sandy soils, sandy alluvium, roadsides.	Coastal Plain Oak-Pine Forest, Roadsides and Utility Rights-of-Way
<i>Cypripedium candidum</i>	Small White Lady’s-slipper	G4	S1	E		River-fronting bluffs and mesic forests over limestone.	Cliff and Rock Outcrop
<i>Cypripedium parviflorum var. pubescens</i>	Large Yellow Lady’s-slipper	G5T5	S3			Rich hardwood forests, often along forest edges and clearings and generally over soils derived from calcareous (shell-marl, shale, limestone) substrates.	Basic Mesic Forest
<i>Cypripedium reginae</i>	Showy Lady’s-slipper	G4	SH	X		Sphagnous seep.	Montane Bog and Fen
<i>Cystopteris bulbifera</i>	Bulblet Fern	G5	S3			Limestone outcrops.	Cliff and Rock Outcrop
<i>Cystopteris tennesseensis</i>	Tennessee Bladderfern	G5	S1			Limy crevices of stone bridge abutments.	Artificial Structure
<i>Delphinium exaltatum</i>	Tall Larkspur	G3	S1	E		Limestone woodlands.	Basic Mesic Forest
<i>Delphinium tricorne</i>	Dwarf Larkspur	G5	S3			Rich woods, river bluffs and alluvial terraces, often over limestone.	Basic Mesic Forest, Montane-Piedmont Floodplain
<i>Deschampsia cespitosa</i>	Tufted Hairgrass	G5	S1	E		Thin soils of serpentine barrens.	Serpentine Barren
<i>Desmodium canadense</i>	Showy Tick-trefoil	G5	SH			Wet meadows, river banks, perhaps associated with calcareous soils. Native range may be obscured by planted material at mitigation sites. State rank under review.	Coastal Plain Seepage Bog and Fen



Scientific Name	Common Name	GR	SR	SLS	FLS	Habitat ¹	Key Wildlife Habitats
<i>Desmodium cuspidatum</i>	Toothed Tick-trefoil	G5T5?	S1			Shale woodland slopes, calcareous outcrops.	Shale Barren Cliff and Rock Outcrop
<i>Desmodium fernaldii</i>	Fernald's Tick-trefoil	G4	S1			Open xeric sands, roadsides through sand ridge woodlands.	Roadsides and Utility Rights-of-Way
<i>Desmodium humifusum</i>	Trailing Tick-trefoil	G1G2Q	SH	X		Dry sandy soil.	Coastal Plain Oak-Pine Forest
<i>Desmodium laevigatum</i>	Smooth Tick-trefoil	G5	S3			Sandy roadsides, inland sand dune and ridge woodlands, field edges in dry sandy or rocky soil.	Roadsides and Utility Rights-of-Way, Coastal Plain Oak-Pine Forest
<i>Desmodium lineatum</i>	Sand Tick-trefoil	G5	SH	X		Sandy barrens and woodlands.	Coastal Plain Oak-Pine Forest
<i>Desmodium nuttallii</i>	Nuttall's Tick-trefoil	G5	S1?			Sandy roadsides, inland sand dunes and ridges, forest edges.	Roadsides and Utility Rights-of-Way, Coastal Plain Oak-Pine Forest
<i>Desmodium obtusum</i>	Stiff Tick-trefoil	G4G5	S1	E		Dry, open sandy or rocky woodlands, roadsides, field edges.	Roadsides and Utility Rights-of-Way
<i>Desmodium ochroleucum</i>	Cream Tick-trefoil	G1G2	S1	E		Sandy barrens and open oak woodlands.	Coastal Plain Oak-Pine Forest, Acidic Glade and Barren
<i>Desmodium sessilifolium</i>	Sessile-leaf Tick-trefoil	G5	SH	X		Woodlands and glades.	Acidic Glade and Barren
<i>Desmodium strictum</i>	Pineland Tick-trefoil	G4	S1	E		Sandy roadsides, forest edges of sand ridges, sandy fields.	Roadsides and Utility Rights-of-Way
<i>Dicentra eximia</i>	Wild Bleedinghearts	G4	S2	T		Sandstone and shale cliffs and glades.	Shale Barren
<i>Dichanthelium aciculare</i>	Needle Witchgrass	G5	S2?			Dry sandy pinelands, meadows and clearings.	Coastal Plain Pitch Pine Forest
<i>Dichanthelium annulum</i>	Ringed Witchgrass	GNR	SH			"Open wooded hillside"	Serpentine Barren
<i>Dichanthelium boreale</i>	Northern Witchgrass	G5	SU	X		Dry shaly, rocky or sandy woodlands.	Oak-Hickory Forest
<i>Dichanthelium laxiflorum</i>	Open-flower Witchgrass	G5	S1?			Riverine scour woodlands, depositional bars and glades.	Coastal Plain Floodplain
<i>Dichanthelium leucothrix</i>	Roughish Witchgrass	G4?Q	SU			Dry to moist forests, clearings, outcrops.	Basic Mesic Forest, Oak-Hickory Forest, Cliff and Rock Outcrop
<i>Dichanthelium oligosanthes</i> var. <i>oligosanthes</i>	Few-flowered Witchgrass	G5T5?	S2S3?			Open xeric sands of inland sand dune and ridge woodlands; sandy old fields and clearings.	Coastal Plain Oak-Pine Forest, Anthropogenic Grassland
<i>Dichanthelium oligosanthes</i> var. <i>scribnerianum</i>	Scribner's Witchgrass	G5T5	S2			Serpentine barrens.	Serpentine Barren
<i>Dichanthelium ravenelii</i>	Ravenel's Witchgrass	G5	SH			Sandy or gravelly barrens and woodlands.	Acidic Glade and Barren
<i>Dichanthelium scabriusculum</i>	Tall Swamp Witchgrass	G4	S1	E		Acidic seeps and open sphagnum meadows; sea level fen.	Coastal Plain Seepage Bog and Fen, Tidal Salt Marsh and Shrubland
<i>Dichanthelium wrightianum</i>	Wright's Witchgrass	G4	S1	E		Acidic seepage fen and saturated swales in peaty soil.	Coastal Plain Seepage Bog and Fen
<i>Digitaria villosa</i>	Shaggy Crabgrass	G5	SU	X		Sandy fields and roadsides.	Roadsides and Utility Rights-of-Way
<i>Diphastium tristachyum</i>	Deep-root Clubmoss	G5	S3			Sandy woods and thickets (Coastal), northern hardwood forests (Mountains).	Hemlock-Northern Hardwood Forest, Coastal Plain Oak-Pine Forest
<i>Dirca palustris</i>	Eastern Leatherwood	G4	S2	T		Basic mesic forests associated with soils derived from mafic (limestone, calcareous shale) or ultramafic (amphibolite, diabase) substrates.	Basic Mesic Forest
<i>Doellingeria infirma</i>	Cornel-leaf Aster	G5	S3			Woodlands, glades, fields and upland forest edges, often, but not always over calcium-rich soils.	Oak-Hickory Forest, Acidic Glade and Barren



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<i>Drosera capillaris</i>	Pink Sundew	G5	S1	E		Open peaty or sandy soils.	Roadsides and Utility Rights-of-Way
<i>Drosera rotundifolia</i>	Roundleaf Sundew	G5	S3			Mountain peatlands, acidic seepage wetlands.	Montane-Piedmont Acidic Seepage Swamp, Coastal Plain Seepage Bog and Fen
<i>Dryopteris campyloptera</i>	Mountain Woodfern	G5	S1	E		Mountain summits, high-elevation rock outcrops, spruce (<i>Picea rubens</i>) forests.	High Elevation Ridge Forest
<i>Dryopteris celsa</i>	Log Fern	G4	S3			Forested seeps	Piedmont Seepage Wetland, Coastal Plain Seepage Swamp
<i>Dryopteris clintoniana</i>	Clinton's Woodfern	G5	S1	E		Surface water seepages along small streams.	Coastal Plain Seepage Swamp
<i>Dryopteris goldiana</i>	Goldie's Fern	G4G5	S2			Rich, mature, mesic forests (including old-growth fragments), often over mafic substrates.	Basic Mesic Forest
<i>Echinodorus cordifolius</i>	Creeping Burhead	G5	S1	E		Flood channel sloughs, floodplain pools.	Coastal Plain Floodplain
<i>Elatine americana</i>	American Waterwort	G4	S3			Fresh to brackish intertidal shores, on a variety of substrates: exposed mud flats, fringing areas of sandy, gravelly or organic substrates exposed at low tide.	Intertidal Mudflat and Sand Flat
<i>Elatine minima</i>	Small Waterwort	G5	S1	E		Fresh intertidal shores in sandy or gravelly substrates.	Intertidal Mudflat and Sand Flat
<i>Eleocharis albida</i>	White Spikerush	G4G5	S2S3			Fresh to brackish salt marshes. Muddy flats or ecotones between low, e.g. black needlerush (<i>Juncus roemerianus</i>) and high, e.g. salt-marsh hay (<i>Spartina patens</i>) marsh; tidal guts.	Tidal Salt Marsh and Shrubland, Intertidal Mudflat and Sand Flat
<i>Eleocharis compressa</i>	Flat-stem Spikerush	G4	S1	E		Pools among rocks on bedrock scour bars.	Coastal Plain Floodplain, Montane-Piedmont Floodplain
<i>Eleocharis engelmannii</i>	Engelmann's Spikerush	G4G5	S3			Freshwater marshes, low woods, ditches and pond shores.	Tidal Freshwater Marsh and Shrubland, Artificial Impoundment and Wetland
<i>Eleocharis equisetoides</i>	Horsetail Spikerush	G4	S1	E		Acidic seepage fens, millponds.	Coastal Plain Seepage Bog and Fen
<i>Eleocharis erythropoda</i>	Bald Spikerush	G5	SU			Freshwater fens, seeps.	Coastal Plain Seepage Bog and Fen
<i>Eleocharis halophila</i>	Saltmarsh Spikerush	G4	S1	E		Interdunal swales behind foredunes.	Maritime Dune and Grassland
<i>Eleocharis intermedia</i>	Matted Spikerush	G5	S1	E		Lake shoreline (Loch Raven) over calcareous soils.	Artificial Impoundment and Wetland
<i>Eleocharis melanocarpa</i>	Black-fruit Spikerush	G4	S1	E		Delmarva bays and acidic seepage fens.	Delmarva Bay, Coastal Plain Seepage Bog and Fen
<i>Eleocharis robbinsii</i>	Robbins' Spikerush	G4G5	S1	E		Coastal Plain acidic seepage fens, Delmarva bays, millponds.	Delmarva Bay, Coastal Plain Seepage Bog and Fen
<i>Eleocharis rostellata</i>	Beaked Spikerush	G5	S2?			Interdunal swales (Assateague), fresh to brackish tidal marshes and sea level fens.	Maritime Dune and Grassland, Tidal Salt Marsh and Shrubland, Coastal Plain Seepage Bog and Fen
<i>Eleocharis tortilis</i>	Twisted Spikerush	G5	S3			Acidic seepage fens and swamps in sand, gravel and muck substrates.	Coastal Plain Seepage Swamp, Coastal Plain Seepage Bog and Fen
<i>Eleocharis tricostata</i>	Three-angle Spikerush	G4	S1	E		Seasonally flooded flatwoods (under <i>Nyssa biflora</i>) and depressions, sandpits.	Coastal Plain Flatwood and Depression Swamp, Artificial Impoundment and Wetland
<i>Elephantopus tomentosus</i>	Tobaccoweed	G5	S1	E		Dry upland forest edges, clearings, trailsides and roadsides.	Oak-Hickory Forest, Roadsides and Utility Rights-of-Way
<i>Epilobium ciliatum</i>	Hairy Willowherb	G5	S1	E		Bog, freshwater seep/fen.	Coastal Plain Seepage Bog and Fen
<i>Epilobium leptophyllum</i>	Linear-leaf Willowherb	G5	S2S3			Seeps, minerotrophic fens and sedge meadows.	Montane Bog and Fen



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<i>Epilobium strictum</i>	Downy Willowherb	G5?	S1	E		Minerotrophic fen.	Montane Bog and Fen
<i>Equisetum fluviatile</i>	Water Horsetail	G5	S1	E		Freshwater emergent tidal marsh.	Tidal Freshwater Marsh and Shrubland
<i>Equisetum sylvaticum</i>	Woodland Horsetail	G5	S1	E		Seepage swamps. Maryland stations hold a diverse flora and occur presumably over nutrient-rich though not calcareous substrates.	Montane-Piedmont Acidic Seepage Swamp
<i>Eragrostis refracta</i>	Meadow Lovegrass	G5	S3S4			Dry, sterile sands, locally common in maritime grasslands, shrublands and woodlands on the barrier island (Assateague).	Maritime Dune and Grassland
<i>Erigenia bulbosa</i>	Harbinger-of-Spring	G5	S3			Rich floodplain forests and mesic upland forests, particularly in areas dominated by calcium-bearing substrates.	Basic Mesic Forest, Montane-Piedmont Floodplain
<i>Erigeron pulchellus var. brauniae</i>	Braun's Robin's-plantain	G5T4	S1			Riverside scour bar.	Montane-Piedmont Floodplain
<i>Eriocaulon aquaticum</i>	Seven-angle Pipewort	G5	S1	E		Baymouth barrier wetland (Sipple 1982, historical), millponds, in floating peat mats.	Coastal Plain Floodplain, Coastal Plain Seepage Bog and Fen
<i>Eriocaulon compressum</i>	Flattened Pipewort	G5	S2			Acidic seeps, Atlantic white cedar (<i>Chamaecyparis thyoides</i>) swamps.	Coastal Plain Floodplain
<i>Eriocaulon decangulare</i>	Ten-angle Pipewort	G5T5?	S1			Gravel seepage bog, "magnolia bog" sensu McAtee (1918); sea level fen.	Coastal Plain Seepage Bog and Fen, Tidal Salt Marsh and Shrubland
<i>Eriocaulon parkeri</i>	Parker's Pipewort	G3	S2	T		Gravelly and sandy intertidal zones along fresh to oligohaline marshes of the Chesapeake Bay and tributaries.	Intertidal Mudflat and Sand Flat
<i>Eriophorum gracile</i>	Slender Cottongrass	G5	S1	E		High elevation mountain peatlands.	Montane Bog and Fen
<i>Eriophorum virginicum</i>	Tawny Cottongrass	G5	S3			Mountain peatlands, coastal fens and acidic seepage swamps.	Montane Bog and Fen, Coastal Plain Seepage Bog and Fen
<i>Eryngium yuccifolium</i>	Rattlesnake-master	G5	SH	X		Sandy depressions between rock ledges, sandy banks. Introduced into warm-season grass plantings at Chino Farms (Queen Anne's County).	Montane-Piedmont Floodplain
<i>Erythronium albidum</i>	White Trout Lily	G5	S2	T		Mature floodplain terrace forests in rich alluvium.	Montane-Piedmont Floodplain, Coastal Plain Floodplain
<i>Eupatorium altissimum</i>	Tall Boneset	G5	S3			Montane alluvial forest, scoured bedrock terrace prairies and woodlands, rocky ravines and cliffs in rich alluvial sand and silt; serpentine and diabase barrens.	Montane-Piedmont Floodplain, Serpentine Barren
<i>Eupatorium leucolepis</i>	White-bracted Boneset	G5	S2S3	T		Wet pine flatwoods and graminoid-dominated swales (under powerlines and roadsides).	Coastal Plain Flatwood and Depression Swamp, Roadsides and Utility Rights-of-Way
<i>Euphorbia pubentissima</i>	Southeastern Flowering Spurge	G5	SU			"College Park, Everfield's orchard."	Anthropogenic Grassland
<i>Euphorbia purpurea</i>	Glade Spurge/Darlington's Spurge	G3	S1	E		Circumneutral seepage swamps.	Montane-Piedmont Basic Seepage Swamp, Coastal Plain Seepage Swamp
<i>Euphorbia spathulata</i>	Warty Spurge	G5	S1	E		Rich, dry woodlands and shale barrens.	Oak-Hickory Forest, Shale Barren
<i>Eurybia radula</i>	Low Rough Aster	G5	S1	E		Acidic seepage wetlands.	Piedmont Seepage Wetland
<i>Eurybia spectabilis</i>	Low Showy Aster	G5	S1	E		Openings and clearings in sandy/peaty soils adjacent to pine flatwoods (chiefly roadsides).	Roadsides and Utility Rights-of-Way
<i>Eutrochium maculatum</i>	Spotted Joe-pye Weed	G5	SU	X		Calcareous fen (apparently).	Montane Bog and Fen
<i>Fallopia cilinodis</i>	Fringed Black-bindweed	G5	S3			Clearings, outcrops and woodlands at high elevations.	High Elevation Ridge Forest



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<i>Festuca paradoxa</i>	Cluster Fescue	G5	S1?			Streambanks, commonly associated with mafic or ultramafic substrates.	Coastal Plain Floodplain
<i>Filipendula rubra</i>	Queen-of-the-Prairie	G4G5	S1	E		Circumneutral seepage/fen. Historical collections from a Baltimore County site (now extirpated) record the habitat as a “wet field” [associated with fringed gentian (<i>Gentianopsis crinita</i>)] suggesting that the site was underlain by serpentine.	Montane-Piedmont Basic Seepage Swamp
<i>Fimbristylis annua</i>	Annual Fimbry	G5	S3			Serpentine barrens.	Serpentine Barren
<i>Fimbristylis caroliniana</i>	Carolina Fimbry	G4	S1S2			Maritime grassland.	Maritime Dune and Grassland
<i>Fimbristylis perpusilla</i>	Harper’s Fimbristylis	G2	S2	E		Muddy soils in the central portions of Delmarva bays (after drawdown).	Delmarva Bay
<i>Fimbristylis puberula</i>	Hairy Fimbristylis	G5	SU			A plant of pine flatwoods and meadows and perhaps overlooked. Additional field and museum work is needed.	Coastal Plain Oak-Pine Forest
<i>Fraxinus caroliniana</i>	Carolina Ash	G4G5	S2			Local to a narrow zone of blackwater swamps under bald cypress (<i>Taxodium distichum</i>) along the Pocomoke River.	Tidal Forest
<i>Fraxinus nigra</i>	Black Ash	G5	S3			Localized seepage swamps influenced by calcareous (e.g., calcareous shales, limestone, marine deposits) or mafic (e.g., Catocin metabasalt, diabase, amphibolite) material.	Montane-Piedmont Basic Seepage Swamp
<i>Fuirena pumila</i>	Dwarf Umbrella-sedge	G4	S2S3			Fresh tidal marshes and interdunal swales (Assateague Island), millponds, clearings, in sandy, peaty or muck soils.	Maritime Dune and Grassland, Coastal Plain Bog and Fen
<i>Galactia volubilis</i>	Downy Milkpea	G5	S3			Dry sandy woodlands, clearings, roadsides.	Roadsides and Utility Rights-of-Way
<i>Galium boreale</i>	Northern Bedstraw	G5	S1	E		Outcrops and barrens over mafic (limestone) or ultramafic (serpentine) substrates.	Cliff and Rock Outcrop
<i>Galium hispidulum</i>	Coast Bedstraw	G5	S1	E		Maritime dune woodlands.	Maritime Dune and Grassland
<i>Galium latifolium</i>	Purple Bedstraw	G5	S3			Rich, mesic hardwood forests, montane alluvial forest.	Cove Forest, Montane-Piedmont Floodplain
<i>Gaultheria hispidula</i>	Creeping Snowberry	G5	S1	E		Mountain peatland clamoring over hummocks with red spruce (<i>Picea rubens</i>).	Montane-Piedmont Acidic Seepage Swamp
<i>Gaylussacia brachycera</i>	Box Huckleberry	G3	S1	E		Dry sandy woods.	Coastal Plain Oak-Pine Forest
<i>Gaylussacia dumosa</i>	Dwarf Huckleberry	G5	S1	E		Seepage swamps in sandy/peaty soils.	Coastal Plain Seepage Swamp
<i>Gentiana andrewsii</i>	Fringe-top Bottle Gentian	G5?	S2	T		Freshwater marshes, meadows, open-canopied swamps.	Piedmont Seepage Wetland
<i>Gentiana linearis</i>	Narrowleaf Gentian	G4G5	S3			Mountain peatlands and swamps.	Montane-Piedmont Acidic Seepage Swamp
<i>Gentiana puberulenta</i>	Downy Gentian	G4G5	SH	X		No habitat description on the specimen label, presumably a prairie-like site.	Piedmont Seepage Wetland
<i>Gentiana villosa</i>	Striped Gentian	G4	S1	E		Dry, sandy edges of pine forests, dry forest over serpentine. Plants often along rights-of-way.	Serpentine Barren, Roadsides and Utility Rights-of-Way
<i>Gentianella quinquefolia</i>	Stiff Gentian	G5	S1	E		Fields, clearings and roadbanks at high elevations.	Roadsides and Utility Rights-of-Way
<i>Gentianopsis crinita</i>	Fringed Gentian	G5	S1	E		Seepages and streamsides over ultramafic rocks.	Serpentine Barren
<i>Geranium robertianum</i>	Herb-Robert	G5	S1			Talus slopes.	Basic Glade and Barren
<i>Geum aleppicum</i>	Yellow Avens	G5	S1	E		High elevation seepage swamps.	Montane-Piedmont Acidic Seepage Swamp
<i>Geum laciniatum</i>	Rough Avens	G5	S3			Floodplain forests in rich alluvial soil, wet meadows and localized rich woods “pockets” on the Coastal Plain.	Coastal Plain Floodplain



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<i>Glyceria acutiflora</i>	Sharp-scaled Mannagrass	G5	S1	E		Sinkhole ponds (Ridge and Valley), Delmarva bays (Coastal Plain).	Piedmont Upland Depression Swamp, Delmarva Bay
<i>Glyceria grandis</i>	American Mannagrass	G5	S1	E		Mountain peatland; montane headwater swamps.	Montane-Piedmont Basic Seepage Swamp
<i>Gonolobus suberosus</i> var. <i>suberosus</i>	Angular-fruit Milkvine	G5	S2			Rich woods, shell-marl ravine forests, field edges.	Basic Mesic Forest, Coastal Plain Oak-Pine Forest
<i>Goodyera repens</i>	Dwarf Rattlesnake-plantain	G5	SH	X		No mention of habitat on the labels, but presumably northern hardwood forests.	Hemlock-Northern Hardwood Forest
<i>Goodyera tessellata</i>	Checkered Rattlesnake-plantain	G5	SH	X		Mixed deciduous and pine woods (Weakley 2012).	Mesic Mixed Hardwood Forest
<i>Gratiola ramosa</i>	Branched Hedge-hyssop	G4G5	SH	X		The area around Salisbury historically has comprised a vast area of inland sand dunes and stream-head, peaty fens dotted with large depressions (these visible on high resolution, false color aerial images). These depressions may have been nontidal Atlantic White Cedar (<i>Chaemacyparis thyoides</i>) swamps.	Coastal Plain Oak-Pine Forest
<i>Gratiola viscidula</i>	Short's Hedge-hyssop	G4G5	S1	E		Pond shores in peaty soils.	Coastal Plain Flatwood and Depression Swamp
<i>Gymnocarpium dryopteris</i>	Northern Oak Fern	G5	S1	E		Cool mesic ravines under northern hardwoods.	Hemlock-Northern Hardwood Forest
<i>Gymnocladus dioica</i>	Kentucky Coffeetree	G5	S1			Rich bottomland forests.	Montane-Piedmont Floodplain, Coastal Plain Floodplain
<i>Gymnopogon brevifolius</i>	Shortleaf Beardgrass	G5	S1	E		Xeric inland dunes, maritime woodlands (Assateague Island), sandy roadsides.	Maritime Dune and Grassland, Roadsides and Utility Rights-of-Way
<i>Ptilimnium nodosum</i> ¹	Harperella	G2	S1	E	LE	Riverside bedrock scour bars.	Montane-Piedmont Floodplain
<i>Helianthus hirsutus</i>	Stiff-hair Sunflower	G5	S1			Dry woodlands and shaley slopes.	Shale Barren Oak-Hickory Forest
<i>Helianthus laevigatus</i>	Smooth Sunflower/Shale Barren Sunflower	G4	S1	E		Shale barren woodland.	Shale Barren
<i>Helianthus occidentalis</i>	McDowell's Sunflower	G5T5	S1	T		Scour bar and bedrock outcrops and rocky bluffs above the river.	Montane-Piedmont Floodplain
<i>Helonias bullata</i>	Swamp Pink	G3	S2	E	LT	Acidic seepage swamps along the Fall Line over deep gravel deposits.	Coastal Plain Seepage Swamp
<i>Hemianthus micranthemoides</i>	Nuttall's Micranthemum	GH	SH	X		Rocky, gravelly or muddy tidal shores of Bay tributaries.	Tidal Freshwater Marsh and Shrubland
<i>Heraclium maximum</i>	Cow-parsnip	G5	S3			Rich floodplain forests.	Montane-Piedmont Floodplain
<i>Heuchera pubescens</i>	Downy Alumroot	G4?	S3			Rocky woods and outcrops over limestone and calcareous shale.	Cliff and Rock Outcrop
<i>Heuchera villosa</i>	Hairy Alumroot	G5	SH	X		"Rocky outcrops".	Cliff and Rock Outcrop
<i>Hexalectris spicata</i>	Crested Coralroot	G5	SH	X		"In shell-marl near shore of West River."	Coastal Plain Oak-Pine Forest
<i>Hexastylis virginica</i>	Virginia Heartleaf	G4	S1	E		Mesic upland forests and north slopes of deep ravines.	Basic Mesic Forest
<i>Hibiscus laevis</i>	Halberd-leaf Rosemallow	G5	S3			Riverine scour and depositional bars and shorelines.	Montane-Piedmont Floodplain, Coastal Plain Floodplain

¹Most recently accepted nomenclature is *Harperella nodosum*



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<i>Homalosorus pycnocarpus</i>	Glade Fern	G5	S2	T		Rich, mesic ravines (shell-marl), steep rocky “seepy” slopes in mesic mixed forests, often over mafic substrates.	Basic Mesic Forest, Coastal Plain Oak-Pine Forest
<i>Honckenya peploides</i>	Sea Chickweed	G5T4	S1	E		Coastal beaches and overwash flats.	Coastal Beach
<i>Hottonia inflata</i>	Featherfoil	G4	S1	E		Delmarva bays, bottomland hardwood swamps.	Delmarva Bay, Coastal Plain Flatwood and Depression Swamp
<i>Houstonia serpyllifolia</i>	Michaux’s Bluet	G4?	S3			Locally abundant along rivers in Garrett County; in shade to partial shade in damp soil, often among or growing on rocks.	Montane-Piedmont Floodplain
<i>Houstonia tenuifolia</i>	Slender-leaved Bluets	GNR	S1			Dry woodlands, bedrock scour terraces and outcrops, limestone talus slopes and shale scree slopes.	Oak-Hickory Forest, Shale Barren, Montane-Piedmont Floodplain
<i>Hudsonia ericoides</i>	Golden Heather	G4	S1	E		Sandy soils under a large powerline rights-of-way.	Roadsides and Utility Rights-of-Way
<i>Huperzia porophila</i>	Rock Clubmoss	G4	SX			Wet outcrop at waterfall.	Cliff and Rock Outcrop
<i>Hybanthus concolor</i>	Green Violet	G5	S3			Dry to mesic limestone woodlands and outcrops.	Basic Mesic Forest, Coastal Plain Oak-Pine Forest
<i>Hydrastis canadensis</i>	Golden-seal	G4	S2	T		Rich, mesic forests over mafic substrates (limestone, marble) or rich alluvium.	Basic Mesic Forest
<i>Hydrophyllum macrophyllum</i>	Large-leaf Waterleaf	G5	S2	T		Basic mesic forests and rich floodplain forests, chiefly over limestone.	Basic Mesic Forest, Montane-Piedmont Floodplain
<i>Hylodesmum pauciflorum</i>	Few-flower Tick-trefoil	G5	S2	E		Mesic floodplain forests over rich alluvium.	Coastal Plain Floodplain
<i>Hypericum adpressum</i>	Creeping St. John’s-wort	G3	S1	E		Delmarva bays and other seasonally-flooded wetlands.	Delmarva Bay
<i>Hypericum denticulatum</i>	Coppery St. John’s-wort	G5	S2	T		Delmarva bays, wet pine flatwoods, ditches, roadsides.	Delmarva Bay, Roadsides and Utility Rights-of-Way
<i>Hypericum drummondii</i>	Drummond’s St. John’s-wort	G5	SH	X		Dry woodlands, woodland borders, fields (Weakley 2012).	Anthropogenic Grassland
<i>Hypericum ellipticum</i>	Pale St. John’s-wort	G5	SU			Mountain peatlands; streambanks.	Montane-Piedmont Acidic Seepage Swamp
<i>Hypericum gymnanthum</i>	Clasping-leaf St. John’s-wort	G5	S3			A component of wet pine flatwoods, but also persisting in wet sandy soils under powerlines, along roadsides, and logging roads.	Coastal Plain Flatwood and Depression Swamp, Roadsides and Utility Rights-of-Way
<i>Hypericum virgatum</i>	Sharpleaf St. John’s-wort	G4?	SH			Oak and pine barrens; open meadows over serpentine.	Serpentine Barren, Shale Barren
<i>Ilex decidua</i>	Deciduous Holly	G5	S2			Bottomland hardwoods, hardwood swamps, rich alluvial terrace forests and woodlands.	Montane-Piedmont Floodplain
<i>Ilex mucronata</i>	Mountain Holly	G5	S3			Montane peatlands, sedge meadows, glades.	Acidic Glade and Barren
<i>Iresine rhizomatosa</i>	Eastern Bloodleaf	G5	S1	E		Deep pockets of alluvial silt and sand along flood channels and river banks.	Montane-Piedmont Floodplain
<i>Iris cristata</i>	Dwarf Crested Iris	G5	S1	E		Thin, dry acid soil of upland forests; floodplain terraces in filtered to partial shade.	Montane-Piedmont Floodplain, Oak-Hickory Forest
<i>Iris prismatica</i>	Slender Blueflag	G4G5	S2	E		A variety of groundwater-driven depressional wetlands including Delmarva bays, floodplain pools, and upland depression swamps; low areas in pine flatwoods, powerline meadows.	Piedmont Seepage Wetland, Coastal Plain Flatwood and Depression Swamp, Delmarva Bay
<i>Iris verna</i>	Dwarf Iris	G5T3T5	S1	E		Rights-of-way under powerlines, roadsides and ditches in dry, sandy soils.	Roadsides and Utility Rights-of-Way



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<i>Iris virginica</i>	Virginia Blueflag	G5	S3			River margins, flood channels, pools and pond margins.	Montane-Piedmont Floodplain, Coastal Plain Floodplain
<i>Isoetes engelmannii</i>	Engelmann's Quillwort	G5	S3			Intermittent stream beds with gravel bottoms, floodplain swales and oxbow sloughs (McAvoy 2007), ponds.	Montane-Piedmont Floodplain, Coastal Plain Floodplain
<i>Isoetes riparia</i>	Riverbank Quillwort	G5?	SU			Exposed intertidal shores of freshwater rivers and creeks; on gravel, sand and mud substrates (McAvoy 2007).	Intertidal Mudflat and Sand Flat
<i>Isotrema macrophyllum</i>	Pipevine, Dutchman's Pipe	G5	S2	T		Montane alluvial forest and cove forests.	Montane-Piedmont Floodplain, Cove Forest
<i>Isotria medeoloides</i>	Small Whorled Pogonia	G2	SH	X	LT	Mesic hardwood forests.	Mesic Mixed Hardwood Forest
<i>Juglans cinerea</i>	Butternut	G4	S2S3			Rich, mesic forests.	Basic Mesic Forest
<i>Juncus articulatus</i>	Jointed Rush	G5	S1			Disturbed open seasonally wet sands, ditches, interdunal swales.	Maritime Dune and Grassland, Montane-Piedmont Acidic Seepage Swamp
<i>Juncus balticus</i>	Baltic Rush	G5T5	SH	X		"Border of ditch along railroad ca 3/4 mile southeast of Abingdon."	Roadsides and Utility Rights-of-Way
<i>Juncus brachycephalus</i>	Small-head Rush	G5	SH	X		Calcareous seepage wetlands.	Montane-Piedmont Basic Seepage Swamp
<i>Juncus brevicaudatus</i>	Narrow-panicle Rush	G5	S2			Seepage wetlands of higher elevations, mountain peatlands.	Montane-Piedmont Acidic Seepage Swamp
<i>Juncus caesariensis</i>	New Jersey Rush	G2G3	S1	E		Open canopied seepage wetlands, powerline swales.	Coastal Plain Seepage Bog and Fen, Roadside and Utility Rights-of-Way
<i>Juncus elliotii</i>	Elliott's Rush	G4G5	S1			Open-canopied seasonally wet peaty sands, powerline swales.	Coastal Plain Seepage Bog and Fen, Roadside and Utility Rights-of-Way
<i>Juncus longii</i>	Long's Rush	G3Q	S1	E		Open-canopied seepage wetlands, roadside seeps, powerlines.	Coastal Plain Seepage Bog and Fen, Roadside and Utility Rights-of-Way
<i>Juncus megacephalus</i>	Big-head Rush	G4G5	S1			Interdunal swales.	Maritime Dune and Grassland
<i>Juncus militaris</i>	Bayonet Rush	G5	SH	X		Millponds, shallow streams.	Coastal Plain Stream Blackwater Stream
<i>Juncus pelocarpus</i>	Brown-fruit rush	G5	S1	E		Millpond basins, sandpits, disturbed open areas.	Coastal Plain Seepage Bog and Fen
<i>Juncus torreyi</i>	Torrey's Rush	G5	S1	E		Open wetlands, ditches, roadsides.	Roadside and Utility Rights-of-Way
<i>Juncus trifidus</i>	Highland Rush	G5	S1	E		Scattered in exposed cliff crevices of Tuscarora sandstone at upper and mid-elevations. State status is under review.	Cliff and Rock Outcrop
<i>Juniperus communis</i>	Dwarf Juniper	G5	SH	X		Thin soils over serpentine outcrops.	Serpentine Barrens
<i>Kalmia angustifolia</i>	Sheep Laurel	G5	S3S4			Inland sand dune and ridge forest and woodlands; sandy seeps and clearings.	Coastal Plain Oak-Pine Forest, Coastal Plain Seepage Bog and Fen, Coastal Plain Pitch Pine Forest
<i>Krigia dandelion</i>	Potato Dwarf-dandelion	G5	S2S3			Exposed mineral soils derived from nutrient-rich (ultramafic) substrates and glauconitic sands.	Basic Glade and Barren
<i>Lachnanthes caroliniana</i>	Red Root	G4	S1	E		Delmarva bay.	Delmarva Bay
<i>Lactuca hirsuta</i>	Hairy Lettuce	G5	SH	X		Forest edges.	Basic Glade and Barren
<i>Larix laricina</i>	American Larch	G5	S1	E		Remnant boreal subarctic swamps.	Montane Bog and Fen
<i>Lathyrus palustris</i>	Vetchling Peavine	G5	S1	E		Freshwater tidal marsh on hummocks of <i>Carex stricta</i> .	Tidal Freshwater Marsh and Shrubland
<i>Lechea maritima</i>	Virginian Beach Pinweed	G5T3Q	S3			Xeric coastal dunes, coastal scrub woodlands with beach-heather (<i>Hudsonia tomentosa</i>).	Maritime Dune and Grassland
<i>Lechea tenuifolia</i>	Slender Pinweed	G5	SH	X		Sandy woodlands/glades in dry soil.	Coastal Plain Oak-Pine Forest



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<i>Leersia hexandra</i>	Club-head Cutgrass	G5	S1	E		Delmarva bay.	Delmarva Bay
<i>Leersia lenticularis</i>	Catchfly Cutgrass	G5	S1	E		Riverine floodplain swamps.	Coastal Plain Floodplain
<i>Lemna trisulca</i>	Star Duckweed	G5	S1	E		Ponds, canals, baymouth barrier wetlands (Sipple 1982).	Coastal Plain Floodplain, Artificial Impoundment and Wetland
<i>Lespedeza frutescens</i>	Violet Lespedeza	G5	S3			Dry, open woodland borders, occasionally rocky scour bars along large rivers.	Montane-Piedmont Oak-Pine Forest
<i>Lespedeza stuevei</i>	Silky Lespedeza	G5	S3			Sand ridge woodlands, roadsides in dry sandy soils.	Coastal Plain Oak-Pine Forest
<i>Liatris helleri</i>	Heller's Blazing Star/Shale-barren Blazing Star	G3	SH	X		Shale barren.	Shale Barren
<i>Liatris spicata</i>	Prairie Blazing Star	G5	S1			Serpentine grasslands.	Serpentine Barrens
<i>Liatris squarrosa</i>	Scaly Gayfeather	G5T5	S1	E		Dry, sandy soil in open, sunny habitats.	Coastal Plain Oak-Pine Forest
<i>Ligusticum canadense</i>	American Lovage	G4	SH	X		Calcareous fen (apparently).	Montane Bog and Fen
<i>Lilium philadelphicum</i>	Wood Lily	G5	SH	X		Prairie-like meadows, woodlands.	Montane-Piedmont Oak-Pine Forest, Basic Mesic Forest
<i>Limnium spongia</i>	American Frog's-bit	G4	S1	E		Baymouth barrier wetlands (Sipple 1982), nontidal shrub swamps.	Submerged Aquatic Vegetation
<i>Limosella australis</i>	Mudwort	G4G5	S2	E		Fresh to brackish intertidal shores along the upper Chesapeake Bay and tributaries.	Intertidal Mudflat and Sand Flat
<i>Linum intercursum</i>	Sandplain Flax	G4	S2	T		Dry to seasonally wet clearings, powerlines, roadsides, usually in exposed sandy soils.	Roadsides and Utility Rights-of-Way
<i>Linum sulcatum</i>	Grooved Yellow Flax	G5	S1	E		Exposed beds of serpentine in the barrens.	Serpentine Barrens
<i>Liparis liliifolia</i>	Large Twayblade	G5	S2S3			Rich mesic forests, often over mafic (limestone, shell-marl) or ultramafic (serpentine, diabase) substrates.	Basic Mesic Forest
<i>Liparis loeselii</i>	Loesel's Twayblade	G5	S1S2			Seeps from mafic or ultramafic substrates, sea level fens, shaded, mesic limestone slopes.	Montane-Piedmont Basic Seepage Swamp, Tidal Salt Marsh and Shrubland
<i>Lipocarpha micrantha</i>	Dwarf Bulrush	G5	S1	E		Riparian shorelines in muddy/sandy soil exposed (in summer months) during low-flow periods.	Montane-Piedmont Floodplain, Mesic Mixed Hardwood Forest
<i>Listera australis</i>	Southern Twayblade	G4	S3			Swamp forests, pine flatwoods in wet or seasonally saturated sandy or organic soils.	Coastal Plain Floodplain, Coastal Plain Flatwood and Depression Swamp
<i>Listera cordata</i>	Heartleaf Twayblade	G5T5	SH	X		Shrubby thickets in mountain peatlands, associated with rosebay rhododendron (<i>Rhododendron maximum</i>).	Mountain Bog and Fen
<i>Listera smallii</i>	Kidneyleaf Twayblade	G4	S1	E		Acidic forested seeps and swamps often with red spruce (<i>Picea rubens</i>) and Canada hemlock (<i>Tsuga canadensis</i>).	Montane-Piedmont Acidic Seepage Swamp, Hemlock-Northern Hardwood Forest
<i>Lithospermum latifolium</i>	American Gromwell	G4	S1	E		Rich woods, often over alluvial soils.	Montane-Piedmont Floodplain
<i>Lithospermum parviflorum</i>	Hairy False Gromwell	G4G5	S1	E		Limestone glade.	Basic Glade and Barren
<i>Lithospermum virginianum</i>	Virginia False Gromwell	G4	S1	E		Riverine island uplands over well-drained to xeric, sandy substrates.	Cliff and Rock Outcrop
<i>Litsea aestivalis</i>	Pondspice	G3	S1	E		Delmarva bay.	Delmarva Bay
<i>Lobelia canbyi</i>	Canby's Lobelia	G4	S2	E		Delmarva bays, pine flatwoods and open pine barren-like swales under powerlines.	Delmarva Bay, Coastal Plain Oak Pine Forest, Roadside and Utility Right-of-Way



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<i>Lobelia elongata</i>	Elongated Lobelia	G4G5	S3			Tidal marshes.	Tidal Brackish Marsh and Shrubland
<i>Lonicera canadensis</i>	American Fly Honeysuckle	G5	S1	E		Partially open northern hardwood forests dominated by spruce and hemlock; adjacent to coniferous swamps, and rocky streams. Associated with habitats underlain by the Greenbrier Formation that is rich in limestone deposits.	Hemlock-Northern Hardwood Forest, Hemlock-Northern Hardwood Forest
<i>Ludwigia decurrens</i>	Primrose-willow	G5	S2S3			Sunny, seasonally saturated wetlands around beaver ponds, shrub swamps, and emergent freshwater marshes. Often inhabiting drawdown zones in sandy, gravelly or mucky soils.	Coastal Plain Flatwood and Depression Swamp
<i>Ludwigia glandulosa</i>	Cylindric-fruit Seedbox	G5T5	S1	E		Low, open seasonally inundated roadside swale/ditch.	Roadsides and Utility Rights-of-Way
<i>Ludwigia hirtella</i>	Hairy Ludwigia	G5	S1	E		Open, wet meadows (powerlines), road shoulders and other clearings in sandy/peaty soil.	Roadsides and Utility Rights-of-Way
<i>Lupinus perennis</i>	Sundial Lupine	G5	S2	T		Dry sandy soils of inland dunes and sand ridge woodlands, sandy powerline meadows, dry rocky slopes and outcrops.	Coastal Plain Oak-Pine Forest, Cliff and Rock Outcrops, Roadside and Utility Right-of-Way
<i>Lycopodiella inundata</i>	Bog Clubmoss	G5	S2			Mountain peatlands, sphagnum seeps.	Montane Bog and Fen, Montane-Piedmont Acidic Seepage Swamp
<i>Lycopus amplexans</i>	Sessile-leaf Bugleweed	G5	S1	E		Sunny, sphagnum seeps and fens.	Coastal Plain Seepage Bog and Fen
<i>Lygodium palmatum</i>	Climbing Fern	G4	S2	T		Wet thickets, low woods and streambanks.	Coastal Plain Seepage Swamp
<i>Lysimachia hybrida</i>	Lowland Loosestrife	G5	S2	T		Mesic hardwood forests, Delmarva bays, floodplain forests in rich alluvial soils.	Tidal Freshwater Marsh and Shrubland, Delmarva Bay, Montane-Piedmont Floodplain
<i>Lysimachia lanceolata</i>	Lanceleaf Loosestrife	G5	S3			Riverside prairie scour bars, moist depressions in rich woods.	Montane-Piedmont Floodplain, Coastal Plain Floodplain
<i>Lysimachia maritima</i>	Sea Milkwort	G5	SH	X		“Between tides on both shores of the Chester River below Chestertown.”	Tidal Brackish Marsh and Shrubland
<i>Lysimachia thyrsoiflora</i>	Water Loosestrife	G5	S1	E		Baymouth barrier wetland (Sipple 1982) in peaty soil.	Coastal Plain Floodplain
<i>Lythrum alatum</i>	Winged Loosestrife	G5	S1	E		Riverside prairie scour bars along the Potomac River.	Montane-Piedmont Floodplain
<i>Magnolia tripetala</i>	Umbrella Magnolia	G5	S3			Mesic hardwood forests, rich ravines.	Basic Mesic Forest Cove Forest
<i>Maianthemum stellatum</i>	Starflower Solomon’s-plume	G5	S2	E		River banks and terrace forests in rich alluvial substrates.	Montane-Piedmont Floodplain
<i>Malaxis unifolia</i>	Green Adders-mouth Orchid	G5	S1S3			Swamp forests, acidic seeps.	Montane-Piedmont Acidic Seepage Swamp, Basic Mesic Forest
<i>Malus angustifolia</i>	Southern Crabapple	G5	S3			Maritime shrub thickets, field edges, old fields and farmsteads, hedgerows, roadsides.	Acidic Glade and Barren, Managed Successional Forest Roadside and Utility Right-of-Way
<i>Matelea caroliniensis</i>	Carolina Anglepod	G4	S2	E		Forest edges, riparian thickets, roadside clearings.	Roadsides and Utility Rights-of-Way, Managed Successional Forest, Coastal Plain Seepage Swamp
<i>Matelea obliqua</i>	Climbing Milkweed	G4?	S1S2	E		Bedrock scour and terrace woodlands in rich alluvium, upland forests, barrens, glades, clearings, and roadsides over limestone or shale substrates.	Roadsides and Utility Rights-of-Way, Shale Barren, Basic Glade and Barren
<i>Matteuccia struthiopteris</i>	Ostrich Fern	G5	S2S3			Rich floodplain forests along large rivers.	Montane-Piedmont Floodplain
<i>Mecardonia acuminata</i>	Purple Mecardonia	G5T5	S2	E		Roadsides, sandpits, utility rights-of-way, rocky pools and seeps.	Roadsides and Utility Rights-of-Way, Cliff and Rock Outcrops



Scientific Name	Common Name	GR	SR	SLS	FLS	Habitat ¹	Key Wildlife Habitats
<i>Melica mutica</i>	Narrow Melicgrass	G5	S3			Bedrock terrace woodlands, floodplains and mesic upland forests and shell-marl ravine forests.	Coastal Plain Floodplain, Mesic Mixed Hardwood Forest, Coastal Plain Seepage Swamp
<i>Melica nitens</i>	Three-flower Melicgrass	G5	S2	T		Dry forests over calcareous shale and limestone.	Basic Glade and Barren
<i>Melothria pendula</i>	Guadeloupe Cucumber	G5?T5?	S2	E		Clearings, edge habitats in moist soils.	Coastal Plain Floodplain
<i>Menyanthes trifoliata</i>	Bog Buckbean	G5	S1	E		Mountain peatlands.	Montane Bog and Fen
<i>Micranthus micranthidifolia</i>	Lettuceleaf Saxifrage	G5	S3			Spring seeps and mountain streams, generally at high elevations.	Montane-Piedmont Acidic Seepage Swamp
<i>Minuartia caroliniana</i>	Carolina Sandwort	G5	S1	E		Dry, white sands associated with openings in pine-oak woodland.	Coastal Plain Oak-Pine Forest
<i>Minuartia glabra</i>	Appalachian Sandwort	G4	S1	E		Greenstone outcrop.	Basic Glade and Barren
<i>Minuartia michauxii</i>	Michaux's Stitchwort	G5T5	S2	T		Sunny to partly shaded outcrops over a variety of mafic (shale, limestone) and ultramafic (serpentine) substrates.	Cliff and Rock Outcrop Serpentine Barren
<i>Moehringia lateriflora</i>	Grove Sandwort	G5	S1	E		Forest and wetland ecotones.	High Elevation Ridge Forest
<i>Monarda clinopodia</i>	Basil Beebalm	G5	S3S4			Rich alluvial soils of streams and rivers.	Montane-Piedmont Floodplain
<i>Monarda media</i>	Purple Bergamot	G4?	SH			Mesic forests, edges and clearings, presumably at higher elevations.	Hemlock-Northern Hardwood Forest, Mesic Mixed Hardwood Forest
<i>Monotropsis odorata</i>	Sweet Pinesap	G3	S1	E		Oak forest; historic sites described as "pine woods", "pine-oak scrub."	Coastal Plain Oak-Pine Forest
<i>Morella caroliniensis</i>	Evergreen Bayberry	G5	S1	E		Fall Line seep over sand/gravel deposits.	Coastal Plain Seepage Swamp
<i>Muhlenbergia capillaris</i>	Hair-awn Muhly	G5	S1	E		Scour bar savanna.	Cliff and Rock Outcrop
<i>Muhlenbergia glabriflora</i>	Hairgrass	G4?	SH			Terrace gravel seepage bog, a "magnolia bog" (sensu McAtee 1918) at Hyattsville.	Coastal Plain Seepage Bog and Fen
<i>Muhlenbergia glomerata</i>	Marsh Muhly	G5	SH			Mountain peatland.	Montane Bog and Fen
<i>Muhlenbergia sylvatica</i>	Woodland Muhly	G5	S3			Rocky, often steep forested slopes and river bluffs, generally over mafic substrates.	Basic Mesic Forest
<i>Muhlenbergia torreyana</i>	Torrey's Dropseed	G3	S1	E		Delmarva bay.	Delmarva Bay
<i>Myosotis macrosperma</i>	Large-seed Forget-me-not	G5	S3S4			Appearing over a variety of mafic to mildly acidic substrates; often over disturbed ground, e.g., cultivated ground over shell-middens, field edges, trailsides but also in rich woodlands, e.g. shell-marl ravine forests.	Basic Mesic Forest, Anthropogenic Grassland
<i>Myosotis verna</i>	Spring Forget-me-not	G5	S3			Fields, forest edges, woodlands, usually in dry sandy or gravelly soils.	Coastal Plain Oak-Pine Forest, Anthropogenic Grassland
<i>Myriophyllum heterophyllum</i>	Broadleaf Water-milfoil	G5	S1			Millpond, slow-moving coastal stream.	Coastal Plain Seepage Bog and Fen
<i>Myriophyllum tenellum</i>	Slender Water-milfoil	G5	SH	X		Fresh to brackish ponds.	Coastal Plain Seepage Bog and Fen
<i>Myriophyllum verticillatum</i>	Whorled Water-milfoil	G5	SU			Shallow water along Susquehanna River shoreline.	Montane-Piedmont Floodplain
<i>Nabalus autumnalis</i>	Slender Rattlesnake-root	G4G5	S1	E		Open wet meadows in sandy/peaty soils.	Roadsides and Utility Right-of- Way
<i>Najas flexilis</i>	Slender Naiad	G5	S3			Ponds, rivers.	Submerged Aquatic Vegetation



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<i>Najas gracillima</i>	Thread-like Naiad	G5?	SU	X		Reservoir, river shorelines.	Submerged Aquatic Vegetation
<i>Najas guadalupensis</i>	Southern Naiad	G5	S3			Reservoirs, tidal and nontidal rivers.	Submerged Aquatic Vegetation
<i>Napaea dioica</i>	Glade Mallow	G4	S1	E		Embankment adjacent to the Potomac River floodplain.	Basic Glade and Barren, Roadsides and Utility Right-of- Way
<i>Nemophila aphylla</i>	Small-flower Baby-blue-eyes	G5	S2			Rich alluvium along streams rich soils of bluffs and ravines; limestone glades.	Basic Glade and Barren, Montane-Piedmont Basic Seepage Swamp
<i>Nymphoides aquatica</i>	Big Floatingheart	G5	S1	E		Delmarva bay, millponds.	Delmarva Bay, Coastal Plain Seepage Bog and Fen
<i>Nymphoides cordata</i>	Little Floatingheart	G5	S1	E		Ponds, shrub swamps.	Coastal Plain Floodplain, Montane-Piedmont Floodplains
<i>Oenothera argillicola</i>	Shale Barren Evening-primrose	G3G4	S3			Shale barrens.	Shale Barren
<i>Oldenlandia uniflora</i>	Clustered Bluets	G5	S3			Delmarva bays and other seasonally flooded wetlands.	Delmarva Bay Coastal Plain Floodplain
<i>Orbexilum pedunculatum</i>	False Scurfpea	G5T4	SX			No habitat noted on labels; a plant of savannas and woodlands (Weakley 2012).	Coastal Plain Oak-Pine Forest
<i>Orthilia secunda</i>	One-side Wintergreen	G5	SH	X		Dry forests, “edge of Virginia pine thicket”.	Coastal Plain Pitch Pine Forest
<i>Oryzopsis asperifolia</i>	Mountain-ricegrass	G5	S2	T		Dry to mesic rich forests and woodlands, often over mafic (shale, limestone) substrates.	Oak-Hickory Forest
<i>Oxydendrum aboreum</i>	Sourwood	G5	S1	E		Mesic to dry acidic forests.	Coastal Plain Oak-Pine Forest, Montane-Piedmont Oak-Pine Forest
<i>Packera antennariifolia</i>	Shale-barren Ragwort/Cat’s-paw Ragwort	G4	S3			Shale barrens and woodlands.	Shale Barren
<i>Packera paupercula</i>	Balsam Ragwort	G5	S3			Meadows and glades over mafic (limestone) or ultramafic (serpentine) substrates.	Serpentine Barrens
<i>Panax quinquefolius</i>	American Ginseng	G3G4	S2S3			Dry to dry-mesic hardwood forests.	Coastal Plain Oak-Pine Forest, Coastal Plain Pitch Pine Forest, Basic Mesic Forest
<i>Panicum flexile</i>	Wiry Witch Grass	G5	S1	E		Limestone and serpentine glades.	Basic Glade and Barren, Serpentine Barren
<i>Panicum hemitomon</i>	Maidencane	G5	S3			Delmarva bays.	Delmarva Bay
<i>Panicum philadelphicum</i>	Philadelphia Panicgrass	G5	SU			Rocky or sandy woodlands and barrens, fields, roadsides.	Roadside and Utility Rights-of-Way, Basic Glade and Barren, Coastal Plain Oak-Pine Forest
<i>Parnassia asarifolia</i>	Kidneyleaf Grass-of-parnassus	G4	S1	E		Sandy/gravelly seepage swamps.	Coastal Plain Seepage Swamp
<i>Paronychia virginica</i>	Yellow Nailwort/Virginia Whitlow-wort	G4	S1	E		Rocky scour bars with a high frequency of flooding.	Cliff and Rock Outcrop
<i>Parthenium integrifolium</i>	Wild Quinine	G5T5	S1	E		Shaley roadsides, limestone and other mafic outcrops.	Roadsides and Utility Rights-of-Way, Cliff and Rock Outcrops
<i>Paspalum dissectum</i>	Walter’s Paspalum	G4?	S2	T		Delmarva bays and other seasonally flooded wetlands.	Delmarva Bay, Roadsides and Utility Right-of-Way
<i>Paspalum fluitans</i>	Horse-tail Paspalum	G5	S1	E		Floodplain seeps and pools in muck soils; seasonally exposed rocky stream channels.	Coastal Plain Floodplain
<i>Patis racemosa</i>	Mountain-ricegrass	G5	S2	T		Rich, often dry forests, limestone bluffs.	High Elevation Ridge Forest



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<i>Paxistima canbyi</i>	Canby's Mountain-lover	G2	S1	E		Calcareous shale bluff.	Cliff and Rock Outcrop
<i>Pedicularis lanceolata</i>	Swamp Lousewort	G5	S1	E		Mafic or ultramafic seeps(Cockeysville marble, shell-marl), rich floodplain forests.	Montane-Piedmont Basic Seepage Swamp, Montane-Piedmont Floodplain
<i>Pellaea glabella</i>	Smooth Cliffbrake	G5T5	S1	E		Dry limestone cliffs.	Basic Glade and Barren
<i>Penstemon laevigatus</i>	Smooth Beardtongue	G5	S3			Low meadows, riverside glades, field edges and other clearings.	Anthropogenic Grassland
<i>Persea palustris</i>	Red Bay	G5	S1	E		Bald cypress and Atlantic white cedar swamp, maritime woods.	Maritime Forest and Shrubland, Coastal Plain Floodplain
<i>Persicaria robustior</i>	Stout Smartweed	G4G5	SU	X		Fresh tidal marshes.	Tidal Freshwater Marsh and Shrubland
<i>Persicaria setacea</i>	Swamp Smartweed	G5	SU			Swamp forests.	Coastal Plain Floodplain
<i>Phacelia covillei</i>	Coville's Phacelia	G3	S2	E		Rich floodplain and terrace and ravine forests, mesic upland woods.	Coastal Plain Floodplain, Basic Mesic Forest
<i>Phacelia purshii</i>	Miami-mist	G5	S3			Rich alluvial soils of floodplains, terraces and low slopes.	Montane-Piedmont Basic Seepage Swamp
<i>Phaseolus polystachios</i>	Wild Kidney Bean	G5	S3			Rocky ravines, scoured bedrock terrace forests, forest edges and hedgerows.	Serpentine Barrens, Oak-Hickory Forest
<i>Phegopteris connectilis</i>	Northern Beechfern	G5	S2			Shaded cliffs and steep rocky slopes over sandstone and shaley siltstone.	Cove Forest
<i>Phemeranthus teretifolius</i>	Roundleaf Fameflower	G4	S2	T		Exposed beds of serpentine, gneiss, and sandstone.	Serpentine Barrens
<i>Phlox glaberrima</i>	Smooth Phlox	G5	S1	E		Basic mesic forest over diabase.	Basic Mesic Forest
<i>Phlox ovata</i>	Mountain Phlox	G4	SH	X		Shale barren woodlands.	Shale Barren
<i>Phlox pilosa</i>	Downy Phlox	G5	S1	E		Open meadow over amphibolite.	Oak-Hickory Forest
<i>Phyllanthus caroliniensis</i>	Carolina Leaf-flower	G5T5?	S3			Scour and depositional bars, river shorelines, sandy or gravelly wet soils.	Montane-Piedmont Floodplain, Coastal Plain Floodplain
<i>Physalis virginiana</i>	Virginia Ground-cherry	G5	S3			Dry woods and clearings.	Roadsides and Utility Rights-of-Way, Oak-Hickory Forest
<i>Picea rubens</i>	Red Spruce	G5	S3			High elevation swamp forests and mountain peatlands.	Mountain Bog and Fen
<i>Pilea fontana</i>	Springs Clearweed	G5	S3			Tidal forests, shrub swamps and marsh fringes.	Tidal Freshwater Marsh and Shrubland, Tidal Forest
<i>Plantago cordata</i>	Heartleaf Plantain	G4	SH	X		Sandy shoreline, "often growing in water".	Coastal Plain River
<i>Platanthera blephariglottis</i> var. <i>blephariglottis</i>	White Fringed Orchid	G4G5	S2	T		Open, acidic wetlands; forested seepage swamps, Atlantic white cedar swamps, usually associated with Sphagnum mosses.	Coastal Plain Seepage Bog and Fen, Coastal Plain Seepage Swamp, Coastal Plain Floodplain
<i>Platanthera ciliaris</i>	Yellow Fringed Orchid	G5	S2	T		Open, acidic wetlands, boggy wetlands, usually associated with peaty substrates.	Montane-Piedmont Acidic Seepage Swamp, Montane Bog and Fen, Coastal Plain Seepage Bog and Fen
<i>Platanthera cristata</i>	Crested Yellow Orchid	G5	S3			Open, acidic wetlands, boggy wetlands, forested seepage swamps.	Coastal Plain Seepage Swamp, Montane-Piedmont Acidic Seepage Swamp
<i>Platanthera flava</i>	Pale Green Orchid	G4	S2			Rich bottomland forests, forested seepage swamps, fringing ecotonal forest along tidal marsh.	Montane-Piedmont Floodplain, Coastal Plain Seepage Swamp, Tidal Forest
<i>Platanthera grandiflora</i>	Large Purple Fringed Orchid	G5	S2	T		Minerotrophic forested seepage swamps and streamside seeps.	Montane-Piedmont Basic Seepage Swamp
<i>Platanthera peramoena</i>	Purple Fringeless Orchid	G5	S1S2	T		Fens, wet meadows, clearings, and ditches, sometimes in base-rich soils.	Montane Bog and Fen, Coastal Plain Bog and Fen, Roadside and Utility Right-of-Way



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<i>Platanthera psycodes</i>	Small Purple Fringed Orchid	G5	SH	X		Northern hardwood forests, other moist forests, seepages, and wet meadows.	Hemlock-Northern Hardwood Forest, Montane-Piedmont Seepage Swamp
<i>Platanthera shriveri</i>	Shriver's Frilly Orchis	GNR	S1			Forested seepage swamps and stream banks.	Montane-Piedmont Acidic Seepage Swamp, Montane-Piedmont Basic Seepage Swamp
<i>Pleopeltis polypodioides</i> var. <i>michauxiana</i>	Resurrection Fern	G5T5	S3			Epiphyte on tree trunks, local to the Pocomoke River drainage.	Coastal Plain Floodplain
<i>Pluchea camphorata</i>	Marsh Fleabane	G5	S1	E		Bottomland and swamp forests, often in canopy openings in mucky soils.	Coastal Plain Flatwood and Depression Swamp
<i>Poa palustris</i>	Fowl Bluegrass	G5	SH			Stream banks, acidic seepage wetlands.	Coastal Plain Seepage Bog and Fen
<i>Poa saltuensis</i>	Dropping Bluegrass	G5	S1	E		Northern cove forests, rich dry forests and mafic outcrops.	Cove Forest, Basic Glade and Barren
<i>Podostemum ceratophyllum</i>	Threadfoot	G5	S3			Swiftly-flowing reaches of clear, rocky-bottomed streams.	Coldwater Stream, Limestone Stream, Highland Stream
<i>Pogonia ophioglossoides</i>	Rose Pogonia	G5	S3			Acidic seeps and saturated sphagnum fens.	Montane-Piedmont Acidic Seepage Swamp, Montane Bog and Fen, Coastal Plain Seepage Bog and Fen
<i>Polanisia dodecandra</i>	Common Clammyweed	G5T5	S1	E		Sand spits and beaches.	Coastal Beach
<i>Polemonium vanbruntiae</i>	Bog Jacob's Ladder	G3G4	S2	T		Minerotrophic fens, spring seeps; presumably circumneutral but this has not been sufficiently demonstrated.	Montane Bog and Fen
<i>Polygala cruciata</i>	Crossleaf Milkwort	G5	S2	T		Open-canopied, acidic seepage wetlands in sandy/peaty or gravelly substrates with seasonal saturation.	Coastal Plain Seepage Swamp
<i>Polygala incarnata</i>	Pink Milkwort	G5	S2S3			Dry to mesic open "prairie-like" grasslands, generally along roadsides or under powerlines.	Roadsides and Utility Right-of- Way
<i>Polygala polygama</i>	Racemed Milkwort	G5	S1	T		Dry, rocky or gravelly barrens, bedrock scour bars and woodlands.	Serpentine Barrens
<i>Polygala senega</i>	Seneca Snakeroot	G4G5	S2	T		Sunny to lightly shaded outcrops of mafic and ultramafic substrates; limestone glades and shale woodlands.	Serpentine Barrens, Basic Mesic Forest, Basic Glade and Barren
<i>Polygonum glaucum</i>	Seaside Knotweed	G3	S1	E		Overwash zones along foredunes (Atlantic shoreline) actively eroding dunes and overwash zones on Bay islands.	Coastal Beach
<i>Polygonum ramosissimum</i>	Bushy Knotweed	G5	SH	X		Beach.	Tidal Brackish Marsh and Shrubland, Tidal Freshwater Marsh and Shrubland
<i>Potamogeton amplifolius</i> ²	Largeleaf Pondweed	G5	S1S2			Ponds, lakes, and rivers.	Piedmont River, Coastal Plain River, Artificial Impoundment and Wetland
<i>Potamogeton foliosus</i>	Leafy Pondweed	G5	S1	E		Ponds and freshwater streams in tidal and nontidal wetlands.	Coastal Plain Stream, Artificial Impoundment and Wetland
<i>Potamogeton illinoensis</i> ²	Illinois Pondweed	G5	S2			Rocky stream channels.	Piedmont Stream
<i>Potamogeton perfoliatus</i>	Claspingleaf Pondweed	G5	S2			Fresh to oligohaline tidal streams.	Tidal Freshwater Marsh and Shrubland
<i>Potamogeton pusillus</i>	Slender Pondweed	G5	S1			Millponds and other ponded waters, fresh to oligohaline tidal streams.	Tidal Freshwater Marsh and Shrubland, Artificial Impoundment and Wetland
<i>Potamogeton richardsonii</i>	Richardson's Pondweed	G5	SH	X			Submerged Aquatic Vegetation
<i>Potamogeton robbinsii</i>	Flatleaf Pondweed	G5	SH	X		Tidal, freshwater aquatic vegetation beds.	Tidal Freshwater Marsh and Shrubland

² Proposed state rank change in 2016.



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<i>Potamogeton spirillus</i>	Spiral Pondweed	G5	S1			Reservoirs, ponds.	Artificial Impoundment and Wetland
<i>Potamogeton zosteriformis</i>	Flatstem Pondweed	G5	S1	E		Tidal freshwater aquatic beds, millpond on the Sassafras River.	Tidal Freshwater Marsh and Shrubland, Artificial Impoundment and Wetland
<i>Potentilla arguta</i>	Tall Cinquefoil	G5	SH			Mafic or ultramafic barrens.	Serpentine Barren, Basic Glade and Barren
<i>Primula meadia</i>	Common Shootingstar	G5	S3			Calcareous seeps, upland woodlands over mafic (limestone, shale) substrates.	Basic Glade and Barren
<i>Prunus alleghaniensis</i>	Allegheny Plum	G4	S2	T		Shale barrens and woodlands, shale outcrops along roadcuts and in clearings.	Shale Barren
<i>Prunus maritima</i>	Beach Plum	G4	S1	E		Maritime dunes, beaches, sand spits.	Coastal Beach
<i>Prunus susquehanae</i>	Susquehanna Sandcherry	G4	SH			Reported generally as sandy and rocky barrens; in Maryland this encompasses bedrock scour bar terraces at Great Falls, pine barrens-like habitats along the Fall Line and according to (Monteferrante 1973) serpentine barrens.	Coastal Plain Floodplain, Acidic Glade and Barren, Serpentine Barrens
<i>Pseudolycopodiella caroliniana</i>	Carolina Clubmoss	G5	S1	E		Sphagnous seeps.	Coastal Plain Seepage Bog and Fen
<i>Ptelea trifoliata</i>	Common Hoptree	G5	S3			Rich woods, river bluffs and limestone woodlands.	Basic Mesic Forest, Cliff and Rock Outcrop
<i>Pycnanthemum clinopodioides</i>	Basil Mountainmint	G1G2	SH			Historical specimens do not specify habitats.	Basic Mesic Forest, Mesic Mixed Hardwood Forest
<i>Pycnanthemum pycnanthemoides</i>	Southern Mountainmint	G5	SH	X		Rocky woodlands.	Basic Mesic Forest
<i>Pycnanthemum torreyi</i>	Torrey's Mountainmint	G2	S1	E		Open meadows and woodlands over ultramafic substrates.	Serpentine Barren
<i>Pycnanthemum verticillatum</i>	Whorled Mountainmint	G5	S1	E		Circumneutral seepage wetlands, calcareous meadows and glades.	Montane-Piedmont Basic Seepage Swamp, Basic Glade and Barren
<i>Pycnanthemum virginianum</i>	Virginia Mountainmint	G5	S2			A variety of open, meadow-like habitats over a variety of geological substrates ranging from calcareous to acidic.	Acidic Glade and Barren, Basic Glade and Barren
<i>Pyrola chlorantha</i>	Green-flower Wintergreen	G5	SH	X		"pine woods"	Montane-Piedmont Oak-Pine Forest, Coastal Plain Oak-Pine Forest
<i>Quercus macrocarpa</i>	Bur Oak, Mossycup Oak	G5	S1			Rich bottomland forests; flood-scoured rocky islands of the Potomac.	Montane-Piedmont Floodplain, Coastal Plain Floodplain
<i>Quercus shumardii</i>	Shumard Oak	G5	S2	T		Rich bottomland forests, shell-marl ravine forests.	Montane-Piedmont Floodplain, Coastal Plain Seepage Swamp
<i>Ranunculus allegheniensis</i>	Allegheny Mountains Buttercup	G4G5	S3			Mesic hardwood slopes and coves.	Cove Forest, Hemlock-Northern Hardwood Forest
<i>Ranunculus ambigens</i>	Water-plantain Spearwort	G4	S1	X		Floodplain mudbars and pools, tidal marshes.	Coastal Plain Floodplain, Tidal Freshwater Marsh and Shrubland
<i>Ranunculus carolinianus</i>	Hispid Buttercup/Carolina Buttercup	G5	SU	X		Minerotrophic seeps, montane floodplain forests in rich soils.	Montane-Piedmont Floodplain, Montane Bog and Fen
<i>Ranunculus fascicularis</i>	Early Buttercup	G5	S1	E		Thin, rocky soil of calcareous seeps and rich glades.	Basic Glade and Barren
<i>Ranunculus flabellaris</i>	Yellow Water-crowfoot	G5	S1	E		Swamp forests, floodplain forests, in slow-moving water, e.g. pools, sloughs, canal bed (C&O).	Montane-Piedmont Floodplain, Coastal Plain Floodplain, Artificial Impoundment and Wetland
<i>Ranunculus hederaceus</i>	Long-stalked Crowfoot	G5	S1	E		Spring-fed seep.	Coastal Plain Seepage Swamp



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<i>Ranunculus laxicaulis</i>	Mississippi Buttercup	G5?	S1			Exposed muddy tidal shores of the upper Pocomoke River and tributaries.	Tidal Freshwater Marsh and Shrubland
<i>Ranunculus pensylvanicus</i>	Bristly Crowfoot	G5	SH	X		Wet meadows and floodplains (Weakley 2012).	Montane-Piedmont Floodplain
<i>Ranunculus pusillus</i>	Pursh's Buttercup	G5	SU			Floodplain swamps, pools, ditches.	Coastal Plain Floodplain
<i>Ranunculus trichophyllus</i>	Threadleaf Water Crowfoot	G5T5	S1	E		Freshwater marsh in peaty soil.	Coastal Plain Seepage Swamp
<i>Rhamnus alnifolia</i>	Alderleaf Buckthorn	G5	S1			Mountain peatland.	Montane Bog and Fen, Montane-Piedmont Basic Seepage Swamp
<i>Rhododendron arborescens</i>	Smooth Azalea	G4G5	S3			Montane hardwood forests, often along riparian zones.	Cove Forest, Hemlock-Northern Hardwood Forest
<i>Rhododendron calendulaceum</i>	Flame Azalea	G5	S1			Clearings and forest edges.	Acidic Glade and Barren, Basic Glade and Barren
<i>Rhynchosia tomentosa</i>	Hairy Snoutbean	G5	S2	T		Inland sand dune and ridge forests, in dry sandy soils.	Coastal Plain Oak-Pine Forest
<i>Rhynchospora alba</i>	White Beakrush	G5	S3			Mountain peatlands, coastal "bogs" and acidic seepage wetlands in peaty soils.	Montane Bog and Fen, Coastal Plain Seepage Bog and Fen
<i>Rhynchospora cephalantha</i>	Capitate Beakrush	G5	S1	E		Delmarva bays and other seasonally flooded depressional wetlands, wet pine flatwoods.	Delmarva Bay, Coastal Plain Flatwood and Depression Swamp
<i>Rhynchospora globularis</i>	Globe Beakrush	G5?T5?	S1	E		Seasonally saturated open meadows and swales in sandy or peaty soils, often under powerlines or along roadsides.	Roadsides and Utility Rights-of-Way, Coastal Plain Flatwood and Depression Swamp
<i>Rhynchospora glomerata</i>	Clustered Beakrush	G5T5?	S3			Pine flatwoods, powerline and roadside swales and meadows, in seasonally saturated sandy soils.	Coastal Plain Flatwood and Depression Swamp, Roadside and Utility Rights-Of-Way
<i>Rhynchospora harperi</i>	Harper's Beakrush	G4?	S1	E		Sandy/peaty soils in flatwoods depressions that are at least seasonally saturated and additionally restricted to open canopy wetlands.	Delmarva Bay
<i>Rhynchospora inundata</i>	Drowned Hornrush	G4?	S1	E		Delmarva bays and acidic seepage fens.	Delmarva Bay, Coastal Plain Seepage Bog and Fen
<i>Rhynchospora microcephala</i>	Small-headed Beakrush	G5	S2			Open sandy meadows and powerline swales.	Roadsides and Utility Rights-Of-Way, Coastal Plain Flatwood and Depression Swamp
<i>Rhynchospora nitens</i>	Short-beaked Baldrush	G4?	S1	E		Permanently saturated coastal wetlands including millponds (floating sphagnum mats), flooded sandpits, Delmarva bays and acidic seeps.	Delmarva Bay, Tidal Freshwater Marsh and Shrubland, Artificial Impoundment and Wetland
<i>Rhynchospora oligantha</i>	Feather-bristle Beaksedge	G4	SH	X		Open, gravelly seepage bog; a "magnolia bog" sensu McAtee (1918). Presumed extirpated (Strong & Simmons 2002).	Coastal Plain Seepage Bog and Fen
<i>Rhynchospora pallida</i>	Pale Beakrush	G3	SH	X		"Swamps". The area around Salisbury historically comprised a vast area of inland sand dunes and stream-head peaty fens dotted with large depressions (visible on high resolution, false color aerial images). These depressions may have been nontidal Atlantic White Cedar (<i>Chaemacyparis thyoides</i>) swamps.	Coastal Plain Seepage Bog and Fen
<i>Rhynchospora rariflora</i>	Few-flowered Beakrush	G5	SU	X		"Sphagnum bog" (Norton), gravelly seepage bog (Knapp).	Coastal Plain Seepage Bog and Fen
<i>Rhynchospora recognita</i>	Cymose Beakrush	G5?	S2			Clearings and edges of pine flatwoods, open sandy swales, dry glades and riverside scour bar glades.	Roadside and Utility Rights-of-Way, Coastal Plain Floodplain, Montane - Piedmont Floodplain
<i>Rhynchospora scirpoides</i>	Long-beaked Baldrush	G4	S2	T		Delmarva bays and acidic seepage fens.	Delmarva Bay, Coastal Plain Seepage Bog and Fen
<i>Rhynchospora torreyana</i>	Torrey's Beakrush	G4	S2	T		Pine flatwoods, open meadows, powerline swales and road verges in seasonally saturated sandy or peaty soils.	Coastal Plain Oak-Pine Forest, Roadside and Utility Rights-Of-Way



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<i>Ribes americanum</i>	Wild Black Currant	G5	SH	X		Rich woods.	Cove Forest
<i>Ribes cynosbati</i>	Prickly Gooseberry	G5	S3			Rich woods, often over calcareous (limestone) substrates and at least historically, sandstone boulderfields at high elevations. Distr. AP, CP, RV (Allegheny, Frederick, Garrett, Prince George's, Washington).	Cove Forest, Acidic Glade and Barren
<i>Ribes glandulosum</i>	Skunk Currant	G5	S3			Montane (high elevation) seeps in northern hardwoods.	Hemlock-Northern Hardwood Forest
<i>Rosa blanda</i>	Smooth Rose	G5	S1	E		Riverside scour bar.	Montane-Piedmont Floodplain
<i>Rudbeckia fulgida</i>	Orange Coneflower	G5	S3			Meadows, forest edges in dry to moist soil.	Acidic Glade and Barren, Basic Glade and Barren
<i>Rudbeckia triloba</i>	Brown-eyed Susan	G5T4T5	S3			Fields, rich floodplains, roadsides and other clearings.	Montane-Piedmont Floodplain, Coastal Plain Floodplain, Roadsides and Utility Rights-Of-Way
<i>Ruellia humilis</i>	Hairy Wild Petunia	G5	S1	E		Bedrock terrace woodland and flatrock scour in sandy alluvium.	Montane-Piedmont Floodplain
<i>Ruellia purshiana</i>	Pursh's Wild Petunia	G3	S1	E		Calcareous shale/siltstone outcrops (along roadside).	Cliff and Rock Outcrop
<i>Ruellia strepens</i>	Limestone Wild Petunia	G4G5	S2S3			<i>R. strepens</i> occurs in rich bottomland forests with the majority of records from areas with limestone; however, the species does not seem particularly restricted to limestone, rather rich alluvial soils.	Montane-Piedmont Floodplain, Coastal Plain Floodplain
<i>Rumex altissimus</i>	Tall Dock	G5	S1	E		Frequently flooded zones along rivers in sandy/gravelly alluvium; also forested wetlands in muck soils.	Montane-Piedmont Floodplain, Coastal Plain Floodplain, Coastal Plain Flatwood and Depression Swamp
<i>Sabatia campanulata</i>	Slender Marsh Pink	G5	S1	E		Wet meadow or barrens-like openings (often powerlines).	Roadside and Utility Rights-of-Way
<i>Sabatia difformis</i>	Two-formed Pink	G4G5	S1	E		Delmarva bays.	Delmarva Bay
<i>Sabatia dodecandra</i>	Large Marsh Pink	G5?	S3			Fresh tidal to brackish marshes, marsh/maritime shrub and forest ecotones.	Tidal Freshwater Marsh and Shrubland, Tidal Brackish Marsh and Shrubland
<i>Saccharum alopecuroides</i>	Silver Plume Grass	G5	S1?			Meadows and roadsides.	Roadsides and Utility Rights-Of-Way
<i>Saccharum baldwinii</i>	Slender Plume Grass	G5	S1	E		Wet meadows and powerline swales.	Roadsides and Utility Rights-Of-Way, Coastal Plain Seepage Bog and Fen
<i>Saccharum contortum</i>	Bent-awn Plume Grass	G5	S3S4			Sandy roadsides, inland sand dunes, railroad verges, powerlines and field edges.	Roadsides and Utility Rights-Of-Way
<i>Sacciolepis striata</i>	Gibbous Panic-grass	G5	S1	E		Fresh to oligohaline marshes.	Tidal Freshwater Marsh and Shrubland
<i>Sagittaria engelmanniana</i>	Engelmann's Arrowhead	G5?	S2	T		Delmarva bays; acidic seepage swamps and boggy areas, often under powerlines.	Delmarva Bay, Montane-Piedmont Acidic Seepage Swamp, Roadsides and Utility Rights-Of-Way
<i>Sagittaria graminea</i>	Grassleaf Arrowhead	G5	SU			Delmarva bays, ditches, beaver ponds, intertidal marshes and mudflats.	Delmarva Bay, Intertidal Mudflat and Sand Flat
<i>Sagittaria rigida</i>	Sessile-fruit Arrowhead	G5	S1	E		Delmarva bays; historical habitats may have included vernal pools and meadows in the Piedmont, and Ridge and Valley.	Delmarva Bay, Vernal Pool
<i>Sagittaria spatulata</i>	Spongy Arrowhead	G5	S2			Sandy/gravelly intertidal zones.	Intertidal Mudflat and Sand Flat
<i>Sagittaria subulata</i>	Strap-leaf Arrowhead	G4	SU			Sandy or gravelly intertidal zones, tidal mudflats.	Intertidal Mudflat and Sand Flat, Tidal Freshwater Marsh and Shrubland, Tidal Brackish Marsh and Shrubland
<i>Salix bebbiana</i>	Bebb's Willow	G5	SH	X		Upland thickets and barrens.	Acidic Glade and Barren, Basic Glade and Barren



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<i>Salix caroliniana</i>	Carolina Willow	G5	S3			Scour and depositional bars along rivers, riverbanks, flood channels.	Montane-Piedmont Floodplain, Coastal Plain Floodplain
<i>Salix discolor</i>	Pussy Willow	G5	SH			Calcareous wetlands; the Service is uncertain of the Maryland-specific habitats.	Montane-Piedmont Basic Seepage Swamp
<i>Salix exigua</i>	Narrowleaf Willow	G5	S1	E		Beaches, sandy shorelines along the Chesapeake Bay and larger tributaries. Rocky scour bars and woodlands along the Potomac River.	Coastal Beach, Montane-Piedmont Floodplain, Coastal Plain Floodplain
<i>Salix lucida</i>	Shining Willow	G5	SH	X		Streambanks and low ground.	Piedmont Seepage Wetland
<i>Salix occidentalis</i>	Dwarf Prairie Willow	G5	S2			Meadows, woodlands and barrens (savannas).	Acidic Glade and Barren, Basic Glade and Barren
<i>Salvia urticifolia</i>	Nettleleaf Sage	G5	SX	X		Woodlands and glades, usually over mafic or calcareous rocks (Weakley 2012).	Basic Glade and Barren
<i>Sanguisorba canadensis</i>	Canada Burnet	G5	S2	T		Open wet meadows, seepage slopes, often (but not always) over mafic or ultramafic substrates.	Piedmont Seepage Wetland, Coastal Plain Seepage Swamp, Montane-Piedmont Basic Seepage Swamp
<i>Sanicula marilandica</i>	Maryland Black-snakeroot	G5	S3			Mesic to dry forests and woodlands, usually in soils weathered from mafic or calcareous rocks, or from shell deposits on the Coastal Plain.	Basic Mesic Forest
<i>Sanicula trifoliata</i>	Large-fruited Sanicle	G4	S3			Rich, mesic cove and slope forests, dry-mesic oak-hickory forests on mafic or calcareous substrates, rich northern hardwood forests.	Cove Forest, Oak-Hickory Forest, Hemlock-Northern Hardwood Forest
<i>Sarracenia purpurea</i>	Northern Pitcherplant	G5	S2	T		Streamside fens, acidic seepage wetlands, millponds.	Coastal Plain Seepage Bog and Fen, Coastal Plain Bog and Fen
<i>Sceptridium multifidum</i>	Leathery Grapefern	G5	SH	X		Mesic forests.	Basic Mesic Forest
<i>Sceptridium oneidense</i>	Blunt-lobe Grapefern	G4	S1	E		Headwater seeps and swampy floodplain forests.	Coastal Plain Floodplain, Montane-Piedmont Floodplain
<i>Schizachne purpurascens</i>	Purple Oat	G5	S1	E		Mesic northern hardwood forests, often rocky or among sandstone boulders.	Hemlock-Northern Hardwood Forest
<i>Schoenoplectus etuberculatus</i>	Canby's Bulrush	G3G4	SH	X		Slow-moving blackwater streams, peaty streamhead depressions.	Blackwater Stream
<i>Schoenoplectus novae-angliae</i>	Salt-marsh Bulrush	G5	S2			Fresh to brackish tidal marshes.	Tidal Freshwater Marsh and Shrubland, Tidal Brackish Marsh and Shrubland
<i>Schoenoplectus smithii</i>	Smith's Bulrush	G5?	SH	X		Coastal ponds and gravelly stream margins.	Coastal Plain Floodplain
<i>Schoenoplectus subterminalis</i>	Water Bulrush	G4G5	S1	E		Ponds and blackwater streams.	Coastal Plain Floodplain, Montane-Piedmont Floodplain
<i>Schoenoplectus torreyi</i>	Torrey's Bulrush	G5	S1			Pond edge within a mountain peatland.	Montane Bog and Fen
<i>Schwalbea americana</i>	Chaffseed	G2G3	SH	X	LE	Sandy barrens and savannas in moist soil.	Coastal Plain Oak-Pine Forest
<i>Scirpus ancistrochaetus</i>	Northeastern Bulrush	G3	S1	E	LE	Sinkhole ponds.	Vernal Pool
<i>Scirpus expansus</i>	Woodland Bulrush	G4	S3			Rocky streambanks and gravel bars.	Coastal Plain Floodplain, Montane-Piedmont Floodplain
<i>Scirpus hattorianus</i>	Mosquito Bulrush	G5	SU			Wet meadows and acidic seeps.	Montane-Piedmont Acidic Seepage Swamp, Piedmont Seepage Wetland



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<i>Scleria minor</i>	Slender Nutrush	G4	S1	E		Meadows and clearings in seasonally saturated sandy and peaty soils.	Coastal Plain Flatwood and Depression Swamp
<i>Scleria muehlenbergii</i>	Muehlenberg's Nutrush	G5	S1S2			Seepage slopes and wet meadows often over soils derived from ultramafic rocks.	Piedmont Seepage Wetland, Coastal Plain Seepage Swamp, Serpentine Barrens
<i>Scleria nitida</i>	Shining Nutrush	GNR	S1	E		Inland sand dune and ridge woodlands in xeric, sandy soils.	Coastal Plain Oak-Pine Forest
<i>Scleria oligantha</i>	Little-head Nutrush	G5	S1			Rich mesic forest.	Oak-Hickory Forest
<i>Scleria reticularis</i>	Reticulated Nutrush	G4	S2S3			Delmarva bays, Fall Line seeps/fens.	Delmarva Bay, Montane Bog and Fen
<i>Scleria triglomerata</i>	Whip Nutrush	G5	S3			Wet meadows, clearings, road verges in sandy/peaty soils.	Coastal Plain Flatwood and Depression Swamp, Roadsides and Utility Rights-Of-Way
<i>Scleria verticillata</i>	Low Nutrush	G5	S1	E		Freshwater seeps and interdunal swales on the barrier island (Assateague).	Maritime Dune and Grassland
<i>Sclerolepis uniflora</i>	One-flower Sclerolepis	G4	S2	T		Delmarva bays and seepage wetlands in sandy/peaty soils.	Delmarva Bay, Coastal Plain Seepage Swamp
<i>Scrophularia lanceolata</i>	Hare Figwort	G5	S3			Rich woods, floodplains.	Coastal Plain Floodplain, Montane-Piedmont Floodplain, Mesic Mixed Hardwood Forest
<i>Scutellaria galericulata</i>	Hooded Skullcap	G5	S2			Seepage wetlands, freshwater marshes, baymouth barrier swamps (Sipple 1982), riverine scour bars.	Piedmont Seepage Wetland, Coastal Plain Seepage Swamp, Tidal Freshwater Marsh and Shrubland
<i>Scutellaria incana</i>	Hoary Skullcap	G5T5	S3			Rich woods, often over limestone.	Basic Mesic Forest
<i>Scutellaria leonardii</i>	Leonard's Skullcap	G4	S2	T		Shale barrens and rocky woods or glades over mafic and ultramafic (serpentine) substrates.	Shale Barren, Serpentine Barred
<i>Scutellaria nervosa</i>	Veined Skullcap	G5	S1S2	E		Shell-marl ravine forests and floodplain terrace forests over rich alluvial soils.	Coastal Plain Floodplain, Montane-Piedmont Floodplain
<i>Scutellaria ovata</i>	Heartleaf Skullcap	G5TNR	S3			Dry forests, woodlands, glades.	Montane-Piedmont Oak-Pine Forest
<i>Scutellaria saxatilis</i>	Rock Skullcap	G3	S1	E		Rich mesic mixed forests.	Cove Forest
<i>Scutellaria serrata</i>	Showy Skullcap	G4G5	S3			Rich woods, infrequent.	Basic Mesic Forest, Cove Forest
<i>Sedum glaucophyllum</i>	Cliff Stonecrop	G4	S2	T		Forested, generally rocky slopes over limestone, calcareous shales or other mafic substrates.	Cliff and Rock Outcrop, Oak-Hickory Forest
<i>Senecio suaveolens</i>	Sweet-scented Indian-plantain	G4	S1	E		A variety of open to lightly-shaded habitats along river banks, light-gaps on the floodplain, side channels and pond and pool margins.	Montane-Piedmont Floodplain
<i>Senna marilandica</i>	Maryland Wild Senna	G5	S3			Streamside cobble bars and riverside prairies.	Montane-Piedmont Floodplain
<i>Sesuvium maritimum</i>	Puerto Rico Sea-Purslane	G5	S1	E		Sandy shorelines, foredunes and overwash zones (generally actively eroding) on the Atlantic coast and Chesapeake Bay.	Maritime Dune and Grassland
<i>Sida hermaphrodita</i>	Virginia Mallow	G3	S1	E		Frequently scoured gravel bars and river island shorelines.	Montane-Piedmont Floodplain
<i>Silene nivea</i>	Snowy Champion	G4?	S1	E		Mature floodplain and terrace forests over rich alluvial soils.	Montane-Piedmont Floodplain Coastal Plain Floodplain
<i>Silphium astericus</i> <i>Linneaus var. trifoliatum</i>	Threeleaf Rosinweed	G4?T4?	S3			Meadows.	Piedmont Seepage Wetland
<i>Sisyrinchium arenicola</i>	Sandplains Blue-eyed Grass	GNR	S1	E		Inland sand dune and ridge woodland.	Coastal Plain Oak-Pine Forest
<i>Smilax bona-nox</i>	Saw Greenbrier	G5	S3			Maritime dunes and woodlands.	Maritime Dune and Grassland, Coastal Plain Oak-Pine Forest



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<i>Smilax ecirrata</i>	Upright Greenbrier	G5?	S1S3			Dry to mesic mixed hardwood forests and woodlands.	Mesic Mixed Hardwood Forest, Montane-Piedmont Oak-Pine Forest
<i>Smilax pseudochina</i>	Long-stalk Greenbrier	G4G5	S2	T		Edge habitats in tidal and nontidal swamp forests and shrub swamps; coastal acidic seeps.	Tidal Forest, Coastal Plain Seepage Swamp
<i>Solidago arguta</i> var. <i>arguta</i>	Late Goldenrod	G5T4T5	S1?			Thin soils of steep rocky slopes.	Basic Glade and Barren
<i>Solidago arguta</i> var. <i>harrisii</i>	Shale barren Goldenrod	G5T4	S3			Shale barrens and woodlands.	Shale Barren
<i>Solidago hispida</i>	Hairy Goldenrod	G5	S3			Forest edges and meadows along roadcuts and ridgelines over calcareous shales.	Roadsides and Utility Rights-Of-Way, High Elevation Ridge Forest
<i>Solidago latissimifolia</i>	Elliott's Goldenrod	G5	S3			Fresh and brackish tidal swamps.	Tidal Freshwater Marsh and Shrubland, Tidal Brackish Marsh and Shrubland
<i>Solidago patula</i>	Sharp-leaved Goldenrod	G5T5	S3			Wet meadows and boggy ground.	Montane Bog and Fen
<i>Solidago racemosa</i>	Racemose Goldenrod	G5T3	S1	T		Cliff faces and crevices with shell deposits (see Davis and Steury 2011).	Cliff and Rock Outcrop
<i>Solidago rigida</i>	Prairie Goldenrod	G5	S1	X		Mafic outcrops and meadows.	Cliff and Rock Outcrop, Basic Glade and barren
<i>Solidago roanensis</i>	Roan Mountain Goldenrod	G4G5	S1?	X		High elevation meadows and forest edges in rocky soil.	High Elevation Ridge Forest
<i>Solidago rupestris</i>	Rock Goldenrod	G4	SH	X		Riverside bedrock scour bars, outcrops and rocky slopes.	Montane-Piedmont Floodplain, Cliff and Rock Outcrop
<i>Solidago speciosa</i>	Showy Goldenrod	G5T5?	S2	T		Sandy barrens and shell middens.	Coastal Plain Oak-Pine Forest
<i>Solidago tarda</i>	Coastal Goldenrod	G4?	S1			Xeric sands of inland sand dune and ridge woodlands.	Coastal Plain Oak-Pine Forest
<i>Solidago uliginosa</i>	Bog Goldenrod	G4G5	S3			Mountain peatlands, fens and wet meadows.	Montane Bog and Fen
<i>Sorbus americana</i>	American Mountain Ash	G5	S3			High elevation forests and outcrops.	High Elevation Ridge Forest, Cliff and Rock Outcrop
<i>Sorghastrum elliotii</i>	Long-bristle Indian Grass	G5	S1	E		Clearings and edges of inland sand dune and ridge forests.	Coastal Plain Oak-Pine Forest
<i>Sparganium androcladum</i>	Branching Bur-reed	G4G5	SU			River swamps.	Coastal Plain Floodplain, Montane-Piedmont Floodplain
<i>Sparganium emersum</i>	Greenfruit Bur-reed	G5	S3			Fens and seepage wetlands.	Montane Bog and Fen
<i>Sparganium eurycarpum</i>	Giant Bur-reed	G5	S3			Freshwater marshes, seepage wetlands and sphagnum fens.	Montane Bog and Fen, Coastal Plain Seepage Swamp
<i>Spermacoce glabra</i>	Smooth Buttonweed	G4G5	S1	E		Rocky, riverside scour bars.	Montane-Piedmont Floodplain
<i>Sphenopholis pensylvanica</i>	Swamp Oats	G4	S2	T		Fens, seepage wetlands, pond shores, fresh tidal marshes.	Montane Bog and Fen, Coastal Plain Seepage Swamp, Tidal Freshwater Marsh and Shrubland
<i>Spiraea betulifolia</i> Pallas var. <i>corymbosa</i>	Large Yellow Lady's-slipper	G5T5	S3			Dry forests over shale.	Shale Barren
<i>Spiranthes lucida</i>	Shining Ladies'-tresses	G5	S1	E		Meadows.	Acidic Glade and Barren, Basic Glade and Barren, Intertidal Mudflat and Sand Flat
<i>Spiranthes ochroleuca</i>	Yellow Ladies'-tresses	G4	S1	E		Shale barrens and grassy meadows.	Shale Barren



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<i>Spiranthes odorata</i>	Fragrant Ladies'-tresses	G5	SH	X		Fresh to oligohaline tidal marshes.	Tidal Freshwater Marsh and Shrubland, Tidal Brackish Marsh and Shrubland
<i>Spiranthes praecox</i>	Grass-leaved Ladies'-tresses	G5	SH			Damp sandy soils of the barrier island (Assateague).	Coastal Beach, Maritime Dune and Grassland
<i>Spiranthes tuberosa</i>	Little Ladies'-tresses	G5	S1?			Dry, sandy soils.	Coastal Plain Oak-Pine forest
<i>Sporobolus clandestinus</i>	Rough Dropseed	G5	S2			Inland sand dunes, sandy or rocky barrens and bedrock scour bars.	Coastal Plain Oak-Pine Forest, Coastal Plain Floodplain, Montane-Piedmont Floodplain
<i>Sporobolus heterolepis</i>	Northern Dropseed	G5	S1	E		Serpentine barrens.	Serpentine Barren
<i>Stachys aspera</i>	Gritty Hedge-nettle	G4?	S1	E		Fresh tidal swamp forests, rich bottomland forests; prefers open, sunny habitats.	Tidal Forest, Coastal Plain Floodplain, Montane-Piedmont Floodplain
<i>Stachys hyssopifolia</i>	Hyssopleaf Hedge-nettle	G4G5	S1			Stream borders and meadows.	Coastal Plain Floodplain, Montane-Piedmont Floodplain
<i>Stachys nuttallii</i>	Nuttall's Hedge-nettle	G4G5	SH			Rich alluvial bottomland forests, meadows over soils derived from calcareous rocks.	Montane-Piedmont Floodplain, Coastal Plain Floodplain, Acidic Glade and Barren
<i>Stellaria alsine</i>	Trailing Stitchwort	G5	S1	E		Spring seeps and gravel bars along small streams.	Piedmont Seepage Wetland, Coastal Plain Seepage Swamp
<i>Stenanthium gramineum</i>	Eastern Featherbells	G4G5T3T5	S1	T		Minerotrophic seepage wetlands, often over serpentine or ultramafic rocks.	Montane-Piedmont Acidic Seepage Swamp, Coastal Plain Seepage Swamp
<i>Stenanthium leimanthoides</i>	Pine Barren Deathcamas	G4Q	S1	E		Acidic gravel groundwater seeps.	Coastal Plain Seepage Swamp, Montane-Piedmont Acidic Seepage Swamp
<i>Streptopus lanceolatus</i>	Rosy Twisted-stalk	G5	S1S2	T		Hemlock (<i>Tsuga canadensis</i>) and northern hardwood forest slopes and ravines.	Hemlock-Northern Hardwood Forest
<i>Suaeda linearis</i>	Narrowleaf Seepweed	G5	S3			Salt marsh flats and overwash zones.	Tidal Salt Marsh and Shrubland
<i>Symphoricarpos albus</i>	Common Snowberry	G5T5	S1	T		Shale barrens and limestone glades.	Shale Barren
<i>Symphyotrichum concolor</i>	Eastern Silvery Aster	G5	S1	E		Sandy barrens on the Coastal Plain.	Coastal Plain Oak-Pine Forest
<i>Symphyotrichum depauperatum</i>	Serpentine Aster	G2	S1	E		Serpentine barrens.	Serpentine Barren
<i>Symphyotrichum drummondii</i>	Drummond's Aster	G4G5T4T5	S1			Dry upland woods and meadows.	Montane-Piedmont Oak-Pine Forest
<i>Symphyotrichum laeve</i> var. <i>concinnum</i>	Smooth Blue Aster	G5T4	S1?	X		Dry rocky woods over mafic or calcareous rocks; disjunct on coastal shell middens.	Montane-Piedmont Oak-Pine Forest
<i>Symphyotrichum praealtum</i>	Willow Aster	G5	S1			Alluvial soils and mesic forests over mafic substrates.	Montane-Piedmont Floodplain Basic Mesic Forest
<i>Symphyotrichum shortii</i>	Short's Aster	G5	S3S4			Rich mesic forests; generally restricted to limestone and less frequently rich alluvium.	Basic Mesic Forest Montane-Piedmont Floodplain
<i>Symplocos tinctoria</i>	Horsesugar	G5	S3			Pine flatwoods and edges of inland dunes in seasonally saturated sandy/peaty soils.	Coastal Plain Oak-Pine Forest
<i>Taenidia montana</i>	Mountain Parsley	G3	S2	T		Barrens and outcrops over limestone and calcareous shales.	Basic Glade and Barren
<i>Taxus canadensis</i>	Canada Yew	G5	S2	T		Northern hardwood and hemlock ravines and swamps.	Hemlock-Northern Hardwood Forest
<i>Tephrosia spicata</i>	Spiked Hoary-pea	G4G5	S1S2	E		Inland sand dunes and ridges, roadsides and railroad embankments.	Coastal Plain Oak-Pine Forest, Roadsides and Utility Rights-Of-Way
<i>Thaspium trifoliatum</i>	Purple Meadow-parsnip	G5	S1	E		Rich, mesic forests and meadows.	Basic Mesic Forest



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<i>Thelypteris simulata</i>	Bog Fern	G4	S2	T		Acidic seepage fens and swamps.	Montane Bog and Fen, Coastal Plain Seepage Swamp
<i>Thrysanthella difformis</i>	Climbing Dogbane	G5	S1	E		Upland depression swamps, swamp forests, floodplains, railroad rights-of-way.	Piedmont Upland Depression Swamp, Coastal Plain Floodplain, Roadsides and Utility Rights-Of-Way
<i>Thuja occidentalis</i>	American Arborvitae	G5	S1	T		Limestone cliffs.	Cliff and Rock Outcrop Basic Glade and barren
<i>Oxypolis canbyi</i> ³	Canby's Dropwort	G2	S1	E	LE	Delmarva bay.	Delmarva Bay
<i>Tillandsia usneoides</i>	Spanish Moss	G5	SX			In tree branches, especially on hardwoods, in mesic bluff forests (Weakley 2012).	Coastal Plain Floodplain
<i>Torreyochloa pallida</i> var. <i>fernaldii</i>	Fernald's Mannagrass	G5	S1			Seepage swamps and fens (glades) at high elevations.	Montane Bog and Fen
<i>Torreyochloa pallida</i> var. <i>pallida</i>	Pale Mannagrass	G5	S3			Fresh tidal swamp forests, Delmarva bays, ditches, sinkhole ponds.	Delmarva Bay, Tidal Forest, Roadsides and Utility Rights-Of-Way
<i>Trautvetteria caroliniensis</i>	Tassel-rue	G5	S3			Spring seeps, floodplain scour bars and seeps.	Montane-Piedmont Floodplain, Montane-Piedmont Acidic Seepage Swamp, Montane-Piedmont Basic Seepage Swamp
<i>Triantha racemosum</i>	Coastal False Asphodel	G5	SX			Fall line seeps.	Coastal Plain Seepage Swamp
<i>Trichophorum planifolium</i>	Bashful Sedge	G5	S2			Dry to mesic, often rocky forests and woodlands.	Basic Mesic Forest Oak-Hickory Forest
<i>Trichostema brachiatum</i>	Glade Bluecurls	G5	S3			Shale barrens, limestone and greenstone glades.	Shale Barren
<i>Trichostema setaceum</i>	Narrowleaf Bluecurls	G5	S1			Shale barrens and woodlands.	Shale Barren
<i>Tridens chapmanii</i>	Chapman's Redtop	G3	S1			Calcareous shell woodlands (see McAvoy & Harrison 2012) and rich "pockets" embedded in sand ridge woodlands.	Basic Mesic Forest, Coastal Plain Oak-Pine Forest
<i>Trifolium reflexum</i>	Buffalo Clover	G3G4	SH	X		Bedrock scour bar floodplain terraces.	Montane-Piedmont Floodplain
<i>Trifolium virginicum</i>	Kate's Mountain Clover	G3	S2S3	T		Shale barrens.	Shale Barren
<i>Triglochin striata</i>	Three-ribbed Arrowgrass	G5	S1	E		Brackish to freshwater marshes in heads of tidal creeks.	Tidal Freshwater Marsh and Shrubland, Tidal Brackish Marsh and Shrubland
<i>Trillium cernuum</i>	Northern Nodding Trillium	G5	S3			Rich woods and edges of forested swamps.	Cove Forest Mesic Mixed Hardwood Forest
<i>Trillium flexipes</i>	Nodding Trillium	G5	S1	E		Shady ravines in rich mesic hardwood forest.	Cove Forest
<i>Trillium nivale</i>	Snow Trillium	G4	S1	E		Dry limestone woodland.	Basic Glade and Barren
<i>Trillium pusillum</i> var. <i>virginianum</i>	Virginia Least Trillium	G3T2	S2	T		Narrowly confined to mesic forests, forested seepage swamps and spring seeps often very near the ecotone with fresh tidal marsh.	Mesic Mixed Hardwood Forest, Coastal Plain Seepage Swamp
<i>Triosteum angustifolium</i>	Yellowleaf Tinker's-weed	G5	S1	E		Rich upland woods, river bluff forests, floodplain terraces over rich alluvial soils.	Cove Forest, Mesic Mixed Hardwood Forest, Montane-Piedmont Floodplain
<i>Triphora trianthophora</i>	Nodding Pogonia	G3G4	S1	E		Rich, humid hardwood forests.	Cove Forest, Mesic Mixed Hardwood Forest
<i>Typha domingensis</i>	Southern Cattail	G4G5	S3			Fresh to oligohaline tidal marshes.	Tidal Freshwater Marsh and Shrubland, Tidal Brackish Marsh and Shrubland

²Most recently accepted nomenclature is *Tiedemannia canbyi*.



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<i>Utricularia cornuta</i>	Horned Bladderwort	G5	S1			Acidic seepage fens.	Montane Bog and Fen, Coastal Plain Seepage Bog and Fen
<i>Utricularia inflata</i>	Swollen Bladderwort	G5	S1	E		Delmarva bays, millponds, oxbow wetlands, beaver ponds, sandpits.	Delmarva Bay, Coastal Plain Seepage Bog and Fen
<i>Utricularia intermedia</i>	Flatleaf Bladderwort	G5	S1			Shallow waters over peaty muck soils.	Coastal Plain Seepage Bog and Fen
<i>Utricularia purpurea</i>	Purple Bladderwort	G5	S1	T		Delmarva bays, acidic seepage wetlands.	Delmarva Bay, Coastal Plain Seepage Bog and Fen
<i>Utricularia resupinata</i>	Northeastern Bladderwort	G4	S1	E		Millponds, wetland pools and depressions over sandy substrates.	Coastal Plain Seepage Bog and Fen
<i>Utricularia striata</i>	Fibrous Bladderwort	G4G5	S1	E		Ponds, acidic seepage wetlands.	Coastal Plain Seepage Bog and Fen
<i>Utricularia subulata</i>	Zigzag Bladderwort	G5	S3			Damp sands of pond shores and sandpits, inner-dune wetland/swales, acidic seepage wetlands.	Coastal Plain Seepage Bog and Fen
<i>Uvularia grandiflora</i>	Large-flower Bellwort	G5	S1	E		Mesic hardwoods, occasionally with hemlock (<i>Tsuga canadensis</i>) but often over rich soils.	Cove Forest, Mesic Mixed Hardwood Forest, Hemlock-Northern Hardwood Forest
<i>Vaccinium macrocarpon</i>	Large Cranberry	G4	S3			Mountains and Coastal Plain; sphagnous, high elevation fens, mountain pond edges, and acidic seepage wetlands.	Montane Bog and Fen, Montane-Piedmont Acidic Seepage Swamp Coastal Plain Seepage Bog and Fen
<i>Vaccinium myrtilloides</i>	Velvetleaf Blueberry	G5	S3			Hemlock (<i>Tsuga canadensis</i>), red spruce (<i>Picea rubens</i>) and northern hardwood forests around high elevation fens, mountain pond edges, and acidic seepage wetlands.	Hemlock-Northern Hardwood Forest Montane-Piedmont Acidic Seepage Swamp
<i>Vaccinium oxycoccos</i>	Small Cranberry	G5	S2	T		Sphagnous, high elevation fens, mountain pond edges, and acidic seepage wetlands.	Montane Bog and Fen
<i>Valeriana pauciflora</i>	Valerian	G4	S1	E		Rich alluvial soils of mature mesic mixed or bottomland hardwood forests.	Montane-Piedmont Floodplain Basic Mesic Forest
<i>Valerianella chenopodiifolia</i>	Goosefoot Cornsalad	G5	S1	E		Rich soils of mesic hardwood and bottomland forests.	Basic Mesic Forest Montane-Piedmont Floodplain
<i>Valerianella umbilicata</i>	Navel-shaped Cornsalad	G3G5	SH	X		Moist soil of low fields, clearings and in alluvium along rivers.	Montane-Piedmont Floodplain, Anthropogenic Grassland
<i>Veratrum hybridum</i>	Broadleaf Bunchflower	G5	S1	E		Meadows and forests over rich soils.	Cove Forest, Basic Mesic Forest
<i>Veratrum virginicum</i>	Virginia Bunchflower	G5	S3			Fresh tidal marshes, acidic seepage swamps.	Tidal Freshwater Marsh and Shrubland, Coastal Plain Seepage Swamp, Montane-Piedmont Acidic Seepage Swamp
<i>Vernonia gigantea</i>	Giant Ironweed	G5	SU			Acidic seepage swamp.	Montane-Piedmont Acidic Seepage Swamp
<i>Veronica scutellata</i>	Marsh Speedwell	G5	S1	E		Marshes, oxbow wetlands, seepage slopes in muck soils.	Montane-Piedmont Acidic Seepage Swamp
<i>Viburnum lentago</i>	Nannyberry	G5	S1			Montane seepage wetlands.	Montane-Piedmont Acidic Seepage Swamp, Montane-Piedmont Basic Seepage Swamp, Coastal Plain Seepage Swamp
<i>Vicia americana</i>	American Purple Vetch	G5T5	SH	X		Roadside outcrop of calcareous rock.	Cliff and Rock Outcrop
<i>Viola appalachensis</i>	Appalachian Blue Violet	G4	S3			Floodplains, mesic and northern hardwood slopes, meadows.	Montane-Piedmont Floodplain, Mesic Mixed Hardwood Forest
<i>Viola esculenta</i>	Salad Violet	G4G5	S2			Bottomland levee forest along fresh tidal reach of the Pocomoke.	Coastal Plain Floodplain



Scientific Name	Common Name	GR	SR	SLS	FLS	Habitat ¹	Key Wildlife Habitats
<i>Viola rostrata</i>	Long-spur Violet	G5	S3			Montane alluvial forest, mesic northern hardwoods/hemlock.	Hemlock-Northern Hardwood Forest, Montane-Piedmont Floodplain
<i>Vitis rupestris</i>	Rock Grape	G3	S1			Riverside scour bars.	Montane-Piedmont Floodplain
<i>Wolffiella gladiata</i>	Sword Bogmat	G5	SH	X		Pond along highway.	Artificial Impoundment and Wetland
<i>Woodsia ilvensis</i>	Rusty Woodsia	G5	S2	T		Shale barrens, outcrops of calcareous shales.	Shale Barren
<i>Xyris fimbriata</i>	Fringed Yellow-eyed-grass	G5	S1	E		Delmarva bays, acidic seepage wetlands.	Delmarva Bay, Coastal Plain Seepage Swamp
<i>Xyris smalliana</i>	Small's Yellow-eyed-grass	G5	S1	E		Delmarva bays, acidic seepage wetlands.	Delmarva Bay, Coastal Plain Seepage Swamp
<i>Zanthoxylum americanum</i>	Northern Prickly-ash	G5	S1S2	E		Cliffs, outcrops and glades over limestone and calcareous shale formations.	Cliff and Rock Outcrop
<i>Zephyranthes atamasca</i>	Atamasco Lily	G4G5	S1	E		Headwater stream in rich, alluvial soil.	Basic Mesic Forest
<i>Zizaniopsis miliacea</i>	Southern Wild Rice	G5	S1	E		Fresh to oligohaline marshes.	Tidal Freshwater Marsh and Shrubland, Tidal Brackish Marsh and Shrubland
<i>Zizia aurea</i>	Golden Alexanders	G5	S3			Mesic mixed deciduous forests, floodplain forests in rich loamy soils.	Montane-Piedmont Floodplain

¹ Maryland Natural Heritage Program. 2014. Rare, Threatened and Endangered Plants of Maryland, C. Frye Ed., Maryland Department of Natural Resources, Wildlife and Heritage Service, publication number 7112014-719, 580 Taylor Avenue, Annapolis, MD 21401.

