

**PA Natural Heritage Program Species Lists**  
**PFBC, PGC & DCNR**  
**Endangered, Threatened, Special Concern Species & Rare and Significant Ecological Features**  
*List as of Jan 28, 2014*

This document provides lists of Threatened and Endangered species, Special Concern Species, and Rare and Significant Ecological features in Pennsylvania that are found in the PA Natural Diversity Inventory (PNDI) database and tool. The species and resources have been categorized according to the PA Department of Environmental Protection's definitions in their PNDI Policy. Species and resources are listed by each jurisdictional agency or commission. Each agency or commission provides recommendations for their species or resources to landowners, developers, and planners to conserve or enhance the species through the PNDI review process.

For guidance on how PNDI recommendations are implemented when a DEP permit is required, please see the PA Department of Environmental Protection's (DEP) PNDI Policy (<http://www.elibrary.dep.state.pa.us/dsweb/Get/Document-95198/021-0200-001.pdf>).

Also, please visit the PNHP website for more information on all species and ecological features surveyed and tracked by the PA Natural Heritage Program (<http://www.naturalheritage.state.pa.us/>).

Definitions for each agency or commission Rank and Status can be found at the end of this document.

**PA Fish & Boat Commission**

**Total Reptiles, Amphibians, Fish and Mussels in PA**

Reptiles	37
Amphibians	36
Fish	160 (217) <small>*includes species that visit PA, but not year round resident</small>
Mussels	65
Non-mussel Aquatic Invertebrates	>10,000
<b>Total (excluding non-mussel aquatic invertebrates)</b>	<b>298 (355*)</b>

**T&E species**

Threatened	14
Endangered	48
<b>TOTAL</b>	<b>62</b> <small>(20% of all reptiles, amphibians, fish and mussels)</small>

**Special Concern Species**

Candidate	10
Other Species	44
<b>TOTAL</b>	<b>54</b> <small>(17% of all reptiles, amphibians, fish and mussels)</small>

**PA Game Commission**

**Total Birds and Mammals in PA**

Birds	186 (414) *includes species that have been found in PA, of which 286 regularly (annually) occur
Mammals	66
<b>Total</b>	<b>252 (480)</b>

**T&E Species**

Threatened	7
Endangered	19
<b>TOTAL</b>	<b>26</b> (10% of resident birds and mammals)

**Special Concern Species and Rare and Significant Ecological Resources**

Other Species	14
Winter Bat Colony	1
<b>TOTAL</b>	<b>15</b> (5% of resident birds and mammals)

**PA Department of Conservation and Natural Resources**

**Total Native Plants in PA**

Native Plants	3,348
Rare and Significant Ecological Features	415 tracked features by PNHP

**T&E Species**

Threatened plants	78
Endangered plants	228
<b>TOTAL</b>	<b>306</b> (9% of all native plants)

**Special Concern Species**

Rare plants	39
Proposed T& E plants	184
Proposed Rare plants	20
<b>Total</b>	<b>243</b> (7% of all native plants)

**Rare and Significant Ecological Features**

Tentatively Undetermined plants only, not TU with a Proposed status)	(TU	65
Natural Communities		56 (PA has 147 classified natural communities)
Invertebrates (moths, butterflies)		51 (PA has ~12,000 native terrestrial invertebrates)
Geologic features		18
<b>TOTAL</b>		<b>195</b>

PA Natural Heritage Program Species Lists  
 Reptiles, Amphibians, Fish and Aquatic Species--PA Fish and Boat Commission  
 Threatened and Endangered Species & Species of Concern

List as of Jan 28, 2014

**Reptiles, Amphibians, Fish and Aquatic Threatened and Endangered Species**

<u>Scientific Name</u>	<u>Common Name</u>	<u>Global Rank</u>	<u>State Rank</u>	<u>Status Code</u>
1 <i>Acipenser brevirostrum</i>	Shortnose Sturgeon	G3	S1	PE
2 <i>Acipenser fulvescens</i>	Lake Sturgeon	G3G4	S1	PE
3 <i>Acipenser oxyrinchus</i>	Atlantic Sturgeon	G3	S1	PE
4 <i>Acris crepitans</i>	Northern Cricket Frog	G5	S1	PE
5 <i>Alasmidonta heterodon</i>	Dwarf Wedgemussel	G1G2	S1	PE
6 <i>Alosa mediocris</i>	Hickory Shad	G5	S3	PE
7 <i>Ambystoma laterale</i>	Blue-spotted Salamander	G5	S1	PE
8 <i>Ameiurus melas</i>	Black Bullhead	G5	S1	PE
9 <i>Catostomus catostomus</i>	Longnose Sucker	G5	S1	PE
10 <i>Chaenobryttus gulosus</i>	Warmouth	G5	S3	PE
11 <i>Clonophis kirtlandii</i>	Kirtland's Snake	G2	SH	PE
12 <i>Coregonus artedi</i>	Cisco	G5	S1	PE
13 <i>Enneacanthus obesus</i>	Banded Sunfish	G5	S1	PE
14 <i>Epioblasma torulosa rangiana</i>	Northern Riffleshell	G2T2	S2	PE
15 <i>Epioblasma triquetra</i>	Snuffbox	G3	S1	PE
16 <i>Erimystax x-punctatus</i>	Gravel Chub	G4	S1	PE
17 <i>Etheostoma exile</i>	Iowa Darter	G5	S1	PE
18 <i>Etheostoma pellucida</i>	Eastern Sand Darter	G4	S1	PE
19 <i>Gasterosteus aculeatus</i>	Threespine Stickleback	G5	S1	PE
20 <i>Glyptemys muhlenbergii</i>	Bog Turtle	G3	S2	PE
21 <i>Ichthyomyzon fossor</i>	Northern Brook Lamprey	G4	S1	PE
22 <i>Ictiobus cyprinellus</i>	Bigmouth Buffalo	G5	S1	PE
23 <i>Kinosternon subrubrum subrubrum</i>	Eastern Mud Turtle	G5T5	S1	PE
24 <i>Lepisosteus oculatus</i>	Spotted Gar	G5	S1	PE
25 <i>Lepomis megalotis</i>	Longear Sunfish	G5	S1	PE
26 <i>Lithobates sphenoccephalus utricularius</i>	Southern Leopard Frog	G5TNR	S1	PE
27 <i>Lota lota</i>	Burbot	G5	S3	PE
28 <i>Lythrurus umbratilis</i>	Redfin Shiner	G5	S1	PE
29 <i>Margaritifera margaritifera</i>	Eastern Pearlshell	G4	S1	PE
30 <i>Notropis bifrenatus</i>	Bridle Shiner	G3	S1	PE
31 <i>Notropis blennius</i>	River Shiner	G5	S1	PE
32 <i>Notropis buchanaui</i>	Ghost Shiner	G5	S1	PE
33 <i>Notropis chalybaeus</i>	Ironcolor Shiner	G4	S1	PE
34 <i>Notropis heterodon</i>	Blackchin Shiner	G5	S1	PE
35 <i>Noturus eleutherus</i>	Mountain Madtom	G4	S1	PE
36 <i>Noturus gyrinus</i>	Tadpole Madtom	G5	S1	PE

37	<i>Noturus stigmosus</i>	Northern Madtom	G3	S2	PE
38	<i>Obovaria subrotunda</i>	Round Hickorynut	G4	S1	PE
39	<i>Opheodrys aestivus</i>	Rough Green Snake	G5	S1	PE
40	<i>Phoxinus eos</i>	Northern Redbelly Dace	G5	S1	PE
41	<i>Pleurobema clava</i>	Clubshell	G1G2	S1S2	PE
42	<i>Pseudacris kalmi</i>	New Jersey Chorus Frog	G4	S1	PE
43	<i>Pseudotriton montanus montanus</i>	Eastern Mud Salamander	G5T5	S1	PE
44	<i>Quadrula cylindrica</i>	Rabbitsfoot	G3G4	S1	PE
45	<i>Simpsonaias ambigua</i>	Salamander Mussel	G3	S1?	PE
46	<i>Sistrurus catenatus catenatus</i>	Eastern Massasauga	G3G4T3Q	S1	PE
47	<i>Tritogonia verrucosa</i>	Pistolgrip Mussel	G4G5	S1	PE
48	<i>Villosa fabalis</i>	Rayed Bean Mussel	G2	S1S2	PE
49	<i>Aneides aeneus</i>	Green Salamander	G3G4	S1	PT
50	<i>Etheostoma camurum</i>	Bluebreast Darter	G4	S4	PT
51	<i>Etheostoma maculatum</i>	Spotted Darter	G2	S2	PT
52	<i>Etheostoma tippecanoe</i>	Tippecanoe Darter	G3G4	S3S4	PT
53	<i>Ichthyomyzon greeleyi</i>	Mountain Brook Lamprey	G3G4	S2	PT
54	<i>Minytrema melanops</i>	Spotted Sucker	G5	S1	PT
55	<i>Notropis dorsalis</i>	Bigmouth Shiner	G5	S2	PT
56	<i>Noturus miurus</i>	Brindled Madtom	G5	S2	PT
57	<i>Percina bimaculata</i>	Chesapeake Logperch	G1G2	S1S2	PT
58	<i>Percina evides</i>	Gilt Darter	G4	S1S2	PT
59	<i>Phoxinus erythrogaster</i>	Southern Redbelly Dace	G5	S1	PT
60	<i>Plethobasus cyphus</i>	Sheepnose Mussel	G3	S1	PT
61	<i>Pseudemys rubriventris</i>	Eastern Redbelly Turtle	G5	S2S3	PT
62	<i>Scaphiopus holbrookii</i>	Eastern Spadefoot	G5	S1	PT

**Reptiles, Amphibians, Fish and Aquatic Special Concern Species**

<u>Scientific Name</u>	<u>Common Name</u>	<u>Global Rank</u>	<u>State Rank</u>	<u>Status Code</u>
1 <i>Leptodea ochracea</i>	Tidewater Mucket	G3G4	S1	
2 <i>Notropis heterolepis</i>	Blacknose Shiner	G4	S1	
3 <i>Amia calva</i>	Bowfin	G5	S2S3	PC
4 <i>Crotalus horridus</i>	Timber Rattlesnake	G4	S3S4	PC
5 <i>Culaea inconstans</i>	Brook Stickleback	G5	S3	PC
6 <i>Emydoidea blandingii</i>	Blanding's Turtle	G4	S1	PC
7 <i>Ichthyomyzon bdellium</i>	Ohio Lamprey	G3G4	S3S4	PC
8 <i>Lampetra aepyptera</i>	Least Brook Lamprey	G5	S3	PC
9 <i>Nocomis biguttatus</i>	Hornyhead Chub	G5	S1	PC
10 <i>Plestiodon laticeps</i>	Broadhead Skink	G5	S1	PC
11 <i>Umbra limi</i>	Central Mudminnow	G5	S3	PC
12 <i>Umbra pygmaea</i>	Eastern Mudminnow	G5	S3	PC
13 <i>Alasmidonta marginata</i>	Elktoe	G4	S4	
14 <i>Alasmidonta undulata</i>	Triangle Floater	G4	S3S4	
15 <i>Alasmidonta varicosa</i>	Brook Floater	G3	S2	
16 <i>Amblema plicata</i>	Three-ridge	G5	S2S3	
17 <i>Anodonta implicata</i>	Alewife Floater	G5	S3S4	
18 <i>Anodonta suborbiculata</i>	Flat Floater	G5	S1	
19 <i>Anodontoides ferussacianus</i>	Cylindrical Papershell	G5	S2S3	
20 <i>Caecidotea franzi</i>	Franz's Cave Isopod	G2G4	S1	
21 <i>Caecidotea kenki</i>	An Isopod	G3	S1	
22 <i>Caecidotea pricei</i>	Price's Cave Isopod	G5	S2S3	
23 <i>Cottus sp. 7</i>	Checkered Sculpin	G4Q	S1	
24 <i>Crangonyx dearolfi</i>	Pennsylvania Cave Amphipod	G2	S1	
25 <i>Elliptio producta</i>	Atlantic Spike	G3Q	S2	
26 <i>Fusconaia flava</i>	Wabash Pigtoe	G5	S2	
27 <i>Fusconaia subrotunda</i>	Long-solid	G3	S1	
28 <i>Ichthyomyzon unicuspis</i>	Silver Lamprey	G5	S1	
29 <i>Lampsilis cariosa</i>	Yellow Lampmussel	G3G4	S3S4	
30 <i>Lampsilis fasciola</i>	Wavy-rayed Lampmussel	G5	S4	
31 <i>Lampsilis radiata</i>	Eastern Lampmussel	G5	S2	
32 <i>Lasmigona complanata</i>	White Heelsplitter	G5	S1	
33 <i>Lasmigona compressa</i>	Creek Heelsplitter	G5	S2S3	
34 <i>Lasmigona subviridis</i>	Green Floater	G3	S2	
35 <i>Leptodea fragilis</i>	Fragile Papershell	G5	S2	
36 <i>Ligumia nasuta</i>	Eastern Pondmussel	G4	S1	
37 <i>Obliquaria reflexa</i>	Threehorn Wartyback	G5	SH	
38 <i>Pleurobema cordatum</i>	Ohio Pigtoe	G4	S1	
39 <i>Pleurobema sintoxia</i>	Round Pigtoe	G4G5	S2	
40 <i>Potamilus alatus</i>	Pink Heelsplitter	G5	S2	
41 <i>Quadrula quadrula</i>	Mapleleaf	G5	S1S2	

42 <i>Sphalloplana pricei</i>	Refton Cave Planarian	G2G3	S1
43 <i>Stygobromus allegheniensis</i>	Allegheny Cave Amphipod	G5	S2S3
44 <i>Stygobromus biggersi</i>	Biggers' Cave Amphipod	G2G4	S1
45 <i>Stygobromus franzi</i>	Franz's Cave Amphipod	G3G4	SNR
46 <i>Stygobromus gracilipes</i>	Shenandoah Valley Cave Amphipod	G3G4	S1
47 <i>Stygobromus pizzinii</i>	Pizzini's Cave Amphipod	G3G4	S1
48 <i>Stygobromus stellmacki</i>	Stellmack's Cave Amphipod	G1G2	S1
49 <i>Stygobromus tenuis potomacus</i>	Potomac Groundwater Amphipod	G4T4	S1
50 <i>Toxolasma parvus</i>	Lilliput	G5	S1S2
51 <i>Truncilla donaciformis</i>	Fawnsfoot	G5	S1
52 <i>Truncilla truncata</i>	Deertoe	G5	S1
53 <i>Utterbackia imbecillis</i>	Paper Pondshell	G5	S3S4
54 <i>Villosa iris</i>	Rainbow Mussel	G5Q	S1

PA Natural Heritage Program Species Lists  
 Birds and Mammals--PA Game Commission  
 Threatened and Endangered Species & Special Concern Species  
 List as of Jan 28, 2014

**Threatened and Endangered Birds and Mammals**

<u>Scientific Name</u>	<u>Common Name</u>	<u>Global Rank</u>	<u>State Rank</u>	<u>Status Code</u>
1 <i>Ardea alba</i>	Great Egret	G5	S1B	PE
2 <i>Asio flammeus</i>	Short-eared Owl	G5	S1B,S3N	PE
3 <i>Bartramia longicauda</i>	Upland Sandpiper	G5	S1B	PE
4 <i>Botaurus lentiginosus</i>	American Bittern	G4	S1B	PE
5 <i>Chlidonias niger</i>	Black Tern	G4	S1B	PE
6 <i>Cistothorus platensis</i>	Sedge Wren	G5	S1B	PE
7 <i>Cryptotis parva</i>	Least Shrew	G5	S1	PE
8 <i>Empidonax flaviventris</i>	Yellow-bellied Flycatcher	G5	S1S2B	PE
9 <i>Falco peregrinus</i>	Peregrine Falcon	G4	S1B,S1N	PE
10 <i>Glaucomys sabrinus</i>	Northern Flying Squirrel	G5	SU	PE
11 <i>Ixobrychus exilis</i>	Least Bittern	G5	S1B	PE
12 <i>Lanius ludovicianus migrans</i>	Migrant Loggerhead Shrike	G4T3Q	S1B	PE
13 <i>Myotis sodalis</i>	Indiana or Social Myotis	G2	SUB,S1N	PE
14 <i>Nyctanassa violacea</i>	Yellow-crowned Night-heron	G5	S1B	PE
15 <i>Nycticorax nycticorax</i>	Black-crowned Night-heron	G5	S1B	PE
16 <i>Rallus elegans</i>	King Rail	G4	S1B	PE
17 <i>Setophaga striata</i>	Blackpoll Warbler	G5	S1B	PE
18 <i>Spiza americana</i>	Dickcissel	G5	S2B	PE
19 <i>Sterna hirundo</i>	Common Tern	G5	SXB	PE
20 <i>Sciurus niger cinereus</i>	Delmarva Fox Squirrel	G3	SX	PE
21 <i>Asio otus</i>	Long-eared Owl	G5	S2B,S2S3N	PT
22 <i>Circus cyaneus</i>	Northern Harrier	G5	S2B,S4N	PT
23 <i>Myotis leibii</i>	Eastern Small-footed Myotis	G3	S1B,S1N	PT
24 <i>Neotoma magister</i>	Allegheny Woodrat	G3G4	S3	PT
25 <i>Pandion haliaetus</i>	Osprey	G5	S3B	PT
26 <i>Sorex palustris punctulatus</i>	Southern Water Shrew	G5T3	S1	PT



**Special Concern Bird and Mammal Species**

<u>Scientific Name</u>	<u>Common Name</u>	<u>Global Rank</u>	<u>State Rank</u>	<u>Status Code</u>
1 <i>Catharus ustulatus</i>	Swainson's Thrush	G5	S2S3B,S5N	CR
2 <i>Fulica americana</i>	American Coot	G5	S3B,S3N	CR
3 <i>Gallinago delicata</i>	Wilson's Snipe	G5	S3B,S3N	CR
4 <i>Lasionycteris noctivagans</i>	Silver-haired Bat	G5	SUB	CR
5 <i>Myotis septentrionalis</i>	Northern Myotis	G4	S1	CR
6 <i>Podilymbus podiceps</i>	Pied-billed Grebe	G5	S3B,S4N	CR
7 <i>Protonotaria citrea</i>	Prothonotary Warbler	G5	S2S3B	CR
8 <i>Sorex palustris albibarbis</i>	Water Shrew	G5T5	S3	CR
9 <i>Accipiter gentilis</i>	Northern Goshawk	G5	S2S3B,S3N	CA
10 <i>Cistothorus palustris</i>	Marsh Wren	G5	S2S3B	CA
11 <i>Gallinula galeata</i>	Common Gallinule	G5	S3B	CA
12 <i>Microtus chrotorrhinus</i>	Rock Vole	G5	S2	CA
13 <i>Tyto alba</i>	Barn Owl	GNR	S2S3B,S2S3	CA
14	Winter Bat Colony	GNR	SU	
15 <i>Ardea herodias</i>	Great Blue Heron	G5	S3S4B,S4N	

PA Natural Heritage Program Species Lists  
 Plants, Natural Communities and Terrestrial Invertebrates--DCNR  
 Threatened and Endangered Species & Species of Concern

List as of Jan 28, 2014

**Plant Threatened and Endangered Species**

<u>Scientific Name</u>	<u>Common Name</u>	<u>Global Rank</u>	<u>State Rank</u>	<u>Status Code</u>
1 <i>Aconitum reclinatum</i>	White Monkshood	G3	S1	PE
2 <i>Acorus americanus</i>	Sweet Flag	G5	S1	PE
3 <i>Agalinis paupercula</i>	Small-Flowered False Foxglove	G5	S1	PE
4 <i>Alisma triviale</i>	Broad-Leaved Water-Plantain	G5	S1	PE
5 <i>Alnus viridis</i>	Mountain Alder	G5	S1	PE
6 <i>Alopecurus carolinianus</i>	Tufted Foxtail	G5	SNA	PE
7 <i>Amelanchier bartramiana</i>	Oblong-Fruited Serviceberry	G5	S1	PE
8 <i>Ammannia coccinea</i>	Scarlet Ammannia	G5	S2	PE
9 <i>Anemone cylindrica</i>	Long-Fruited Anemone	G5	S1	PE
10 <i>Arabis missouriensis</i>	Missouri Rock-Cress	G5	S1	PE
11 <i>Arethusa bulbosa</i>	Swamp-Pink	G4	S1	PE
12 <i>Arnica acaulis</i>	Leopard's-Bane	G4	S1	PE
13 <i>Artemisia campestris</i> ssp. <i>caudata</i>	Beach Wormwood	G5T5	S1	PE
14 <i>Asplenium resiliens</i>	Black-Stemmed Spleenwort	G5	S1	PE
15 <i>Aster borealis</i> (name changed to <i>Symphyotrichum boreale</i> )	Rush Aster	G5	S1	PE
16 <i>Aster nemoralis</i> (name changed to <i>Oclemena nemoralis</i> )	Bog Aster	G5	S1	PE
17 <i>Aster solidagineus</i> (name changed to <i>Sericocarpus linifolius</i> )	Narrow-Leaved White-Topped Aster	G5	S1	PE
18 <i>Aster spectabilis</i> (name changed to <i>Eurybia spectabilis</i> )	Low Showy Aster	G5	S1	PE
19 <i>Boltonia asteroides</i>	Aster-Like Boltonia	G5	S1	PE
20 <i>Cardamine pratensis</i> var. <i>palustris</i>	Cuckooflower	G5T5	S1	PE
21 <i>Carex atherodes</i>	Awned Sedge	G5	S1	PE
22 <i>Carex aurea</i>	Golden-Fruited Sedge	G5	S1	PE
23 <i>Carex bebbii</i>	Bebb's Sedge	G5	S2	PE
24 <i>Carex bicknellii</i>	Bicknell's Sedge	G5	S1	PE
25 <i>Carex bullata</i>	Bull Sedge	G5	S1	PE
26 <i>Carex careyana</i>	Carey's Sedge	G4G5	S1	PE
27 <i>Carex collinsii</i>	Collin's Sedge	G4	S2	PE
28 <i>Carex crinita</i> var. <i>brevicrinis</i>	Short Hair Sedge	G5T5	S1	PE
29 <i>Carex eburnea</i>	Ebony Sedge	G5	S1	PE
30 <i>Carex formosa</i>	Handsome Sedge	G4	S1	PE
31 <i>Carex garberi</i>	Elk Sedge	G5	S1	PE
32 <i>Carex geyeri</i>	Geyer's Sedge	G5	S1	PE
33 <i>Carex gravida</i>	Heavy Sedge	0	0	PE
34 <i>Carex mitchelliana</i>	Mitchell's Sedge	G4	S1	PE

35	<i>Carex pauciflora</i>	Few-Flowered Sedge	G5	S1	PE
36	<i>Carex polymorpha</i>	Variable Sedge	G3	S2	PE
37	<i>Carex pseudocyperus</i>	Cyperus-Like Sedge	G5	S1	PE
38	<i>Carex retrorsa</i>	Backward Sedge	G5	S1	PE
39	<i>Carex typhina</i>	Cat-Tail Sedge	G5	S2	PE
40	<i>Carex viridula</i>	Green Sedge	G5	S1	PE
41	<i>Cerastium arvense</i> var. <i>villosissimum</i> (Name changed to <i>Cerastium velutinum</i> var. <i>villosissimum</i> )	Mouse-Ear Chickweed (name changed to Octoraro Creek Chickweed)	G5T1	S1	PE
42	<i>Chasmanthium laxum</i>	Slender Sea-Oats	G5	S1	PE
43	<i>Chenopodium foggii</i>	Fogg's Goosefoot	G2G3	S1	PE
44	<i>Chrysogonum virginianum</i>	Green-and-Gold	G5	S1	PE
45	<i>Cirsium horridulum</i>	Horrible Thistle	G5	S1	PE
46	<i>Cladium mariscoides</i>	Twig Rush	G5	S2	PE
47	<i>Clematis viorna</i>	Vase-Vine Leather-Flower	G5	S1	PE
48	<i>Clethra acuminata</i>	Mountain Pepper-Bush	G4	S1	PE
49	<i>Clitoria mariana</i>	Butterfly-Pea	G5	S1	PE
50	<i>Conioselinum chinense</i>	Hemlock-Parsley	G5	S1	PE
51	<i>Cryptogramma stelleri</i>	Slender Rock-Brake	G5	S1	PE
52	<i>Cymophyllus fraserianus</i>	Fraser's Sedge	G4	S1	PE
53	<i>Cynanchum laeve</i>	Smooth Swallow-Wort	G5	S1	PE
54	<i>Cyperus acuminatus</i>	Short-Pointed Flatsedge	G5	SNA	PE
55	<i>Cyperus diandrus</i>	Umbrella Flatsedge	G5	S2	PE
56	<i>Cyperus houghtonii</i>	Houghton's Flatsedge	G4	S1	PE
57	<i>Cyperus refractus</i>	Reflexed Flatsedge	G5	S1	PE
58	<i>Cyperus retrorsus</i>	Retorse Flatsedge	G5	SH	PE
59	<i>Cypripedium parviflorum</i> ( Name changed to <i>Cypripedium parviflorum</i> var. <i>makasin</i> )	Northern Small Yellow Lady's-Slipper	G5	S1	PE
60	<i>Delphinium exaltatum</i>	Tall Larkspur	G3	S1	PE
61	<i>Desmodium humifusum</i>	Trailing Tick-Trefoil	G1G2Q	SNA	PE
62	<i>Diarrhena obovata</i>	American Beakgrain	G4G5	S4	PE
63	<i>Dicentra eximia</i>	Wild Bleeding-Hearts	G4	S1	PE
64	<i>Dodecatheon meadia</i>	Common Shooting-Star	G5	S1	PE
65	<i>Dryopteris campyloptera</i>	Mountain Wood Fern	G5	S1	PE
66	<i>Echinochloa walteri</i>	Walter's Barnyard-Grass	G5	S1	PE
67	<i>Eleocharis caribaea</i>	Capitate Spike-Rush	G4G5	S1	PE
68	<i>Eleocharis compressa</i>	Flat-Stemmed Spike-Rush	G4	S1	PE
69	<i>Eleocharis elliptica</i>	Slender Spike-Rush	G5	S2	PE
70	<i>Eleocharis obtusa</i> var. <i>peasei</i>	Wright's Spike-Rush	G5TNR	S1	PE
71	<i>Eleocharis parvula</i>	Little-Spike Spike-Rush	G5	S1	PE
72	<i>Eleocharis pauciflora</i> var. <i>fernaldi</i>	Few-Flowered Spike-Rush	G5TNRQ	S1	PE
73	<i>Eleocharis quadrangulata</i>	Four-Angled Spike-Rush	G4	S1	PE
74	<i>Eleocharis rostellata</i>	Beaked Spike-Rush	G5	S1	PE
75	<i>Eleocharis tenuis</i> var. <i>verrucosa</i>	Slender Spike-Rush	G5T3T5	S1	PE
76	<i>Elephantopus carolinianus</i>	Elephant's-Foot	G5	S4	PE

77	<i>Epilobium strictum</i>	Downy Willow-Herb	G5?	S3	PE
78	<i>Equisetum variegatum</i>	Variegated Horsetail	G5	S1	PE
79	<i>Eriophorum gracile</i>	Slender Cottongrass	G5	S1	PE
80	<i>Eriophorum tenellum</i>	Rough Cottongrass	G5	S1	PE
81	<i>Euphorbia ipecacuanhae</i>	Wild Ipecac	G5	S1	PE
82	<i>Euphorbia purpurea</i>	Glade Spurge	G3	S1	PE
83	<i>Festuca paradoxa</i>	Cluster Fescue	G5	S1	PE
84	<i>Frasera caroliniensis</i> (name changed to <i>Swertia caroliniensis</i> )	American Columbo	G5	S1	PE
85	<i>Galium labradoricum</i>	Labrador Marsh Bedstraw	G5	S1	PE
86	<i>Gaylussacia dumosa</i>	Dwarf Huckleberry	G5	SH	PE
87	<i>Geranium bicknellii</i>	Cranesbill	G5	S1	PE
88	<i>Glyceria borealis</i>	Small-Floating Manna-Grass	G5	S4	PE
89	<i>Glyceria obtusa</i>	Blunt Manna-Grass	G5	S1	PE
90	<i>Gymnopogon ambiguus</i>	Broad-Leaved Beardgrass	G4	SX	PE
91	<i>Helianthemum bicknellii</i>	Bicknell's Hoary Rockrose	G5	S2	PE
92	<i>Hemicarpha micrantha</i> (name changed to <i>Lipocarpa micrantha</i> )	Common Hemicarpa	G5	S1	PE
93	<i>Heteranthera multiflora</i>	Multi-Flowered Mud-Plantain	G4	S1	PE
94	<i>Hieracium traillii</i>	Maryland Hawkweed	G4	S1	PE
95	<i>Hierochloa odorata</i>	Vanilla Sweet-Grass	G4G5	SX	PE
96	<i>Hydrophyllum macrophyllum</i>	Large-Leaved Water-Leaf	G5	S4	PE
97	<i>Iodanthus pinnatifidus</i>	Purple Rocket	G5	S1	PE
98	<i>Iris cristata</i>	Crested Dwarf Iris	G5	S1	PE
99	<i>Iris prismatica</i>	Slender Blue Iris	G4G5	S1	PE
100	<i>Iris verna</i>	Dwarf Iris	G5	S1	PE
101	<i>Isotria medeoloides</i>	Small-Whorled Pogonia	G2	S1	PE
102	<i>Juncus brachycarpus</i>	Short-Fruited Rush	G4G5	S1	PE
103	<i>Juncus dichotomus</i>	Forked Rush	G5	S1	PE
104	<i>Juncus longii</i>	Long's Rush	G3Q	S1	PE
105	<i>Juncus militaris</i>	Bayonet Rush	G4	S1	PE
106	<i>Juncus scirpoides</i>	Scirpus-Like Rush	G5	S1	PE
107	<i>Lespedeza angustifolia</i>	Narrowleaf Bushclover	G5	S1	PE
108	<i>Ligusticum canadense</i>	Nondo Lovage	G4	SH	PE
109	<i>Linum intercursum</i>	Sandplain Wild Flax	G4	S1	PE
110	<i>Linum sulcatum</i>	Grooved-Yellow Flax	G5	S1	PE
111	<i>Listera australis</i>	Southern Twayblade	G4	S1	PE
112	<i>Listera cordata</i>	Heart-Leaved Twayblade	G5	S1	PE
113	<i>Listera smallii</i>	Kidney-Leaved Twayblade	G4	S1	PE
114	<i>Lithospermum carolinense</i>	Hispid Gromwell	G4G5	S1	PE
115	<i>Lithospermum latifolium</i>	American Gromwell	G4	S4	PE
116	<i>Lobelia kalmii</i>	Brook Lobelia	G5	S1	PE
117	<i>Lobelia puberula</i>	Downy Lobelia	G5	S1	PE
118	<i>Lonicera oblongifolia</i>	Swamp Fly Honeysuckle	G4	S1	PE

119	<i>Lonicera villosa</i>	Mountain Fly Honeysuckle	G5	S1	PE
120	<i>Ludwigia decurrens</i>	Upright Primrose-Willow	G5	S1	PE
121	<i>Ludwigia polycarpa</i>	False Loosestrife Seedbox	G4	S1	PE
122	<i>Lycopodium alopecuriodes</i> (name changed to <i>Lycopodiella alopecuroides</i> )	Foxtail Clubmoss	G5	S1	PE
123	<i>Lycopodium porophyllum</i> (name changed to <i>Huperzia porophila</i> )	Rock Clubmoss	G4	S1	PE
124	<i>Lycopus rubellus</i>	Taper-Leaved Bugle-Weed	G5	S1	PE
125	<i>Lyonia mariana</i>	Stagger-Bush	G5	S1	PE
126	<i>Marshallia grandiflora</i>	Large-Flowered Marshallia	G2	S1	PE
127	<i>Matelea obliqua</i>	Oblique Milkvine	G4	S1	PE
128	<i>Megalodonta beckii</i>	Beck's Water-Marigold	G4G5	S1	PE
129	<i>Mitella nuda</i>	Naked Bishop's-Cap	G5	S1	PE
130	<i>Monarda punctata</i>	Spotted Bee-Balm	G5	SH	PE
131	<i>Montia chamissoi</i>	Chamisso's Miner's-Lettuce	G5	S1	PE
132	<i>Muhlenbergia uniflora</i>	Fall Dropseed Muhly	G5	S2	PE
133	<i>Myriophyllum exalbescens</i> (name changed to <i>Myriophyllum sibiricum</i> )	Northern Water-Milfoil	G5	S1	PE
134	<i>Myriophyllum farwellii</i>	Farwell's Water-Milfoil	G5	S3	PE
135	<i>Myriophyllum heterophyllum</i>	Broad-Leaved Water-Milfoil	G5	S4	PE
136	<i>Myriophyllum verticillatum</i>	Whorled Water-Milfoil	G5	S1	PE
137	<i>Najas marina</i>	Holly-Leaved Naiad	G5	SNR	PE
138	<i>Nelumbo lutea</i>	American Lotus	G4	SH	PE
139	<i>Onosmodium molle</i> var. <i>hispidissimum</i>	False Gromwell	G4G5T4	S1	PE
140	<i>Ophioglossum engelmannii</i>	Limestone Adder's Tongue	G5	S1	PE
141	<i>Oryzopsis pungens</i> (name changed to <i>Piptatherum pungens</i> )	Slender Mountain-Ricegrass	G5	S2	PE
142	<i>Panicum amarum</i> var. <i>amarulum</i>	Southern Sea-Beach Panic-Grass	G5T3T5	SH	PE
143	<i>Panicum scoparium</i> (name changed to <i>Dichantherium scoparium</i> )	Velvety Panic-Grass	G5	S1	PE
144	<i>Panicum xanthophysum</i> (name changed to <i>Dichantherium xanthophysum</i> )	Slender Panic-Grass	G5	S1	PE
145	<i>Parnassia glauca</i>	Carolina Grass-of-Parnassus	G5	S2	PE
146	<i>Passiflora lutea</i>	Passion-Flower	G5	S2	PE
147	<i>Paxistima canbyi</i>	Canby's Mountain-Lover	G2	S1	PE
148	<i>Phlox ovata</i>	Mountain Phlox	G4	S1	PE
149	<i>Phlox subulata</i> ssp. <i>brittonii</i>	Moss Pink	G5T4	S1	PE
150	<i>Platanthera dilatata</i>	Leafy White Orchid	G5	S1	PE
151	<i>Platanthera hyperborea</i>	Leafy Northern Green Orchid			PE
152	<i>Poa autumnalis</i>	Autumn Bluegrass	G5	S1	PE
153	<i>Polemonium vanbruntiae</i>	Jacob's-Ladder	G3G4	S1	PE
154	<i>Polygala cruciata</i>	Cross-Leaved Milkwort	G5	S1	PE
155	<i>Polygala curtissii</i>	Curtis' Milkwort	G5	S1	PE
156	<i>Polygala incarnata</i>	Pink Milkwort	G5	SH	PE
157	<i>Polygonum careyi</i>	Carey's Smartweed	G4	S1	PE
158	<i>Polygonum setaceum interjectum</i> (name changed to <i>Persicaria setacea</i> )	Swamp Smartweed	G5	S2	PE
159	<i>Polystichum braunii</i>	Braun's Holly Fern	G5	S1	PE

160	<i>Populus balsamifera</i>	Balsam Poplar	G5	S1	PE
161	<i>Potamogeton friesii</i>	Fries' Pondweed	G4	S1	PE
162	<i>Potamogeton gramineus</i>	Grassy Pondweed	G5	S1	PE
163	<i>Potamogeton hillii</i>	Hill's Pondweed	G3	S1	PE
164	<i>Potamogeton obtusifolius</i>	Blunt-Leaved Pondweed	G5	S1	PE
165	<i>Potamogeton pulcher</i>	Spotted Pondweed	G5	S1	PE
166	<i>Potamogeton strictifolius</i>	Narrow-Leaved Pondweed	G5	SH	PE
167	<i>Potamogeton tennesseensis</i>	Tennessee Pondweed	G2	S1	PE
168	<i>Potamogeton vaseyi</i>	Vasey's Pondweed	G4	S1	PE
169	<i>Potentilla fruticosa</i>	Shrubby Cinquefoil	G5	S1	PE
170	<i>Potentilla paradoxa</i>	Bushy Cinquefoil	G5	S1	PE
171	<i>Potentilla tridentata</i>	Three-Toothed Cinquefoil	G5	S1	PE
172	<i>Prenanthes crepidinea</i>	Crepis Rattlesnake-Root	G4	S4	PE
173	<i>Prunus maritima</i>	Beach Plum	G4	S1	PE
174	<i>Prunus nigra</i>	Canada Plum	0	0	PE
175	<i>Ptilimnium capillaceum</i>	Mock Bishop-Weed	G5	SX	PE
176	<i>Pycnanthemum pycnanthemoides</i>	Southern Mountain-Mint	G5	SU	PE
177	<i>Pycnanthemum torrei</i>	Torrey's Mountain-Mint	G2	S1	PE
178	<i>Quercus falcata</i>	Spanish Oak	G5	S1	PE
179	<i>Quercus phellos</i>	Willow Oak	G5	S2	PE
180	<i>Quercus shumardii</i>	Shumard's Oak	G5	S2	PE
181	<i>Ranunculus fascicularis</i>	Tufted Buttercup	G5	S1S2	PE
182	<i>Rhamnus lanceolata</i>	Lanceolate Buckthorn	G5	S1	PE
183	<i>Rhexia mariana</i>	Maryland Meadow-Beauty	G5	S1	PE
184	<i>Rhododendron atlanticum</i>	Dwarf Azalea	G4G5	S1	PE
185	<i>Rhynchospora capillacea</i>	Capillary Beaked-Rush	G4	S1	PE
186	<i>Ribes missouriense</i>	Missouri Gooseberry	G5	S1	PE
187	<i>Ruellia humilis</i>	Fringed-Leaved Petunia	G5	S1	PE
188	<i>Sagittaria calycina</i> var. <i>spongiosa</i>	Long-Lobed Arrow-Head	G5T4	S1	PE
189	<i>Scheuchzeria palustris</i>	Pod-Grass	G5	S1	PE
190	<i>Scirpus ancistrochaetus</i>	Northeastern Bullrush	G3	S3	PE
191	<i>Scirpus torreyi</i> (name changed to <i>Schoenoplectus torreyi</i> )	Torrey's Bullrush	G5?	S1	PE
192	<i>Scirpus acutus</i> (name changed to <i>Schoenoplectus acutus</i> )	Hard-Stemmed Bullrush	G5	S2	PE
193	<i>Scirpus smithii</i> (name changed to <i>Schoenoplectus smithii</i> )	Smith's Bullrush	G5?	S1	PE
194	<i>Scleria minor</i>	Minor Nutrush	G4	SH	PE
195	<i>Scleria reticularis</i> (name changed to <i>Scleria muhlenbergia</i> )	Reticulated Nutrush	G5	S1	PE
196	<i>Scleria verticillata</i>	Whorled Nutrush	G5	S1	PE
197	<i>Sedum rosea</i>	Roseroot Stonecrop	G5	S1	PE
198	<i>Senecio antennariifolia</i> (name changed to <i>Packera antennariifolia</i> )	Cat's-Paw Ragwort	G4	S1	PE
199	<i>Shepherdia canadensis</i>	Canada Buffalo-Berry	G5	S1	PE
200	<i>Sida hermaphrodita</i>	Sida	G3	S2	PE
201	<i>Sisyrinchium atlanticum</i>	Eastern Blue-Eyed Grass	G5	S1	PE
202	<i>Solidago arguta</i> var. <i>harrisii</i>	Harris' Goldenrod	G5T4	S1	PE
203	<i>Solidago curtisii</i>	Curtis' Goldenrod	G4G5	S1	PE

204 <i>Solidago erecta</i>	Slender Goldenrod	G5	S1	PE
205 <i>Solidago spathula</i> spp. <i>randii</i> var. <i>racemosa</i>	Sticky Goldenrod	G5T3?	S1	PE
206 <i>Sorbus decora</i>	Showy Mountain-Ash	G4G5	S1	PE
207 <i>Sparganium androcladum</i>	Branching Bur-Reed	G4G5	S1	PE
208 <i>Spiranthes casei</i>	Case's Ladies'-Tresses	G4	S1	PE
209 <i>Spiranthes ovalis</i>	October Ladies'-Tresses	G5?	S1	PE
210 <i>Spiranthes romanzoffiana</i>	Hooded Ladies'-Tresses	G5	S1	PE
211 <i>Spiranthes vernalis</i>	Spring Ladies'-Tresses	G5	S1	PE
212 <i>Sporobolus clandestinus</i>	Rough Dropseed	G5	S1	PE
213 <i>Sporobolus cryptandrus</i>	Sand Dropseed	G5	S3	PE
214 <i>Sporobolus heterolepis</i>	Prairie Dropseed	G5	S1	PE
215 <i>Stachysnuttallii</i>	Nuttall's Hedge-Nettle	G5?	S1	PE
216 <i>Taenidia montana</i>	Mountain Pimpernel	G3	S1	PE
217 <i>Thalictrum coriaceum</i>	Thick-Leaved Meadow-Rue	G4	S2	PE
218 <i>Tomanthera auriculata</i> (name changed to <i>Agalinis auriculata</i> )	Eared False Foxglove	G3	S1	PE
219 <i>Trichostema setaceum</i>	Blue-Curls	G5	S1	PE
220 <i>Trifolium virginicum</i>	Kate's Mountain Clover	G3	S1	PE
221 <i>Triphora trianthophora</i>	Nodding Pogonia	G3G4	SH	PE
222 <i>Triplasis purpurea</i>	Purple Sandgrass	G4G5	S1	PE
223 <i>Trollius laxus</i>	Spreading Globe-Flower	G3	S1	PE
224 <i>Vernonia glauca</i>	Tawny Ironweed	G5	S1	PE
225 <i>Viburnum nudum</i>	Poosum Haw Viburnum	G5	S1	PE
226 <i>Viola brittoniana</i>	Coast Violet	G4G5	S1	PE
227 <i>Viola pedatifida</i>	Coast Violet	G4G5	S1	PE
228 <i>Vitis novae-angliae</i>	New England Grape	GNA	SNA	PE
229 <i>Aster depauperatus</i> (name changed to <i>Symphyotrichum depauperatum</i> )	Serpentine Aster	G2	S2	PT
230 <i>Aconitum uncinatum</i>	Blue Monkshood	G4	S2	PT
231 <i>Ammophila breviligulata</i>	American Beachgrass	G5	S2	PT
232 <i>Arceuthobium pusillum</i>	Dwarf Mistletoe	G5	S2	PT
233 <i>Aristida purpurascens</i>	Arrow-Feather Three-Awned Grass	G5	S2	PT
234 <i>Asplenium bradleyi</i>	Bradley's Spleenwort	G4	S1	PT
235 <i>belgii</i> )	New York Aster	G5	S2	PT
236 <i>Bidens bidentoides</i>	Swamp Beggar-Ticks	G3G4	S1	PT
237 <i>Bouteloua curtipendula</i>	Tall Gramma	G5	S2	PT
238 <i>Camassia scilloides</i>	Wild Hyacinth	G4G5	S1	PT
239 <i>Carex alata</i>	Broad-Winged Sedge	G5	S2	PT
240 <i>Carex aquatilis</i>	Water Sedge	G5	S2	PT
241 <i>Carex cryptolepis</i>	Northeastern	G4	S1	PT
242 <i>Carex diandra</i>	Lesser Panicked Sedge	G5	S2	PT
243 <i>Carex flava</i>	Yellow Sedge	G5	S2	PT
244 <i>Carex oligosperma</i>	Few-Seeded Sedge	G5	S2	PT
245 <i>Carex paupercula</i>	Bog Sedge	G5	S3	PT
246 <i>Carex prairea</i>	Prairie Sedge	G5	S2	PT

247	<i>Carex schweinitzii</i>	Schweinitz's Sedge	G3G4	S1	PT
248	<i>Carex sterilis</i>	Atlantic Sedge	G4	S1	PT
249	<i>Carex tetanica</i>	Wood's Sedge	G4G5	S2	PT
250	<i>Carex wiegandii</i>	Wiegand's Sedge	G4	S1	PT
251	<i>Chamaesyce polygonifolia</i>	Small Sea-Side Spurge	G5?	S2	PT
252	<i>Chrysopsis mariana</i>	Maryland Golden Aster	G5	S1	PT
253	<i>Cimicifuga racemosa</i> (name changed to <i>Actaea podocarpa</i> )	Mountain Bugbane	G4	S3	PT
254	<i>Cypripedium reginae</i>	Show Lady's-Slipper	G4	S1	PT
255	<i>Digitaria cognatum</i>	Fall Witch-Grass	0	0	PT
256	<i>Dodecatheon amethystinum</i>	Jeweled Shooting-Star	GNR	S2	PT
257	<i>Eleocharis intermedia</i>	Matted Spike-Rush	G5	S2	PT
258	<i>Eleocharis robbinsii</i>	Robbins' Spike-Rush	G4G5	S2	PT
259	<i>Ellisia nyctelea</i>	Ellisia	G5	S2	PT
260	<i>Erigenia bulbosa</i>	Harbinger-of-Spring	G5	S4	PT
261	<i>Eriophorum viridicarinatum</i>	Thin-Leaved Cottongrass	G5	S2	PT
262	<i>Euthamia tenuifolia</i> (name changed to <i>Euthamia caroliniana</i> )	Grass-Leaved Goldenrod	G5	S1	PT
263	<i>Fimbristylis annua</i>	Annual Fimbry	G5	S2	PT
264	<i>Gaylussacia brachycera</i>	Box Huckleberry	G3	S1	PT
265	<i>Hypericum densiflorum</i>	Bushy St. John's-Wort	G5	S3	PT
266	<i>Hypericum majus</i>	Larger Canadian St. John's-Wort	G5	S2	PT
267	<i>Ilex opaca</i>	American Holly	G5	S2	PT
268	<i>Juncus alpinus alpinoarticulatus</i>	Richardson's Rush	G5T5	S2	PT
269	<i>Juncus balticusarcticus</i> var. <i>littoralis</i>	Baltic Rush	G5T5	S2	PT
270	<i>Juncus brachycephalus</i>	Small-Headed Rush	G5	S2	PT
271	<i>Juncus torreyi</i>	Torrey's Rush	G5	S3	PT
272	<i>Lathyrus japonicus</i>	Beach Peavine	G5	S2	PT
273	<i>Lathyrus ochroleucus</i>	Wild Pea	G4G5	S1	PT
274	<i>Linnaea borealis</i>	Twinflower	G5	S1	PT
275	<i>Lobelia dortmanna</i>	Water Lobelia	G4G5	S2	PT
276	<i>Lycopodium appressum</i> (name changed to <i>Lycopodiella appressa</i> )	Southern Bog Clubmoss	G5	S2	PT
277	<i>Magnolia tripetala</i>	Umbrella Magnolia	G5	S2	PT
278	<i>Magnolia virginiana</i>	Sweet Bay Magnolia	G5	S2	PT
279	<i>Melica nitens</i>	Three-Flowered Melic Grass	G5	S2	PT
280	<i>Minuartia glabra</i>	Appalachian Sandwort	G4	S2	PT
281	<i>Myrica gale</i>	Sweet Bayberry	G5	S2	PT
282	<i>Myriophyllum tenellum</i>	Slender Water-Milfoil	G5	S2	PT
283	<i>Najas gracillima</i>	Bushy Naiad	G5	S4	PT
284	<i>Nymphoides cordata</i>	Floating-Heart	G5	S2	PT
285	<i>Oenothera argillicola</i>	Shale-Barren Evening Primrose	G3G4	S2	PT
286	<i>Panicum tuckermanii</i>	Tuckerman's Panic-Grass	G3G5	S2	PT
287	<i>Poa paludigena</i>	Bog Bluegrass	G3	S3	PT
288	<i>Polygonum robustius</i>	Robust Smartweed	G4G5	S4	PT
289	<i>Potamogeton confervoides</i>	Tuckerman's Pondweed	G4	S2	PT
290	<i>Potamogeton richardsonii</i>	Red-Head Pondweed	G5	S3	PT



291 <i>Potentilla anserina</i>	Silverweed	G5	S3	PT
292 <i>Ptelea trifoliata</i>	Common Hop-Tree	G5	S2	PT
293 <i>Ranunculus longirostre</i>	Eastern White Water-Crowfoot	0	0	PT
294 <i>Ribes triste</i>	Red Currant	G5	S2	PT
295 <i>Ruellia strepens</i>	Limestone Petunia	G4G5	S2	PT
296 <i>Salix candida</i>	Hoary Willow	G5	S1	PT
297 <i>Salix serissima</i>	Autumn Willow	G4	S2	PT
298 <i>Scirpus pedicellatus</i>	Stalked Bullrush	G4	S1	PT
299 <i>Scleria pauciflora</i>	Few-Flowered Nutrush	G5	S2	PT
300 <i>Spiraea betulifolia</i>	Dwarf Spiraea	G5	S1	PT
301 <i>Streptopus amplexifolius</i>	White Twisted-Stalk	G5	S1	PT
302 <i>Talinum teretifolium</i> (name changed to Phemeranthus teretifolius)	Round-Leaved Fame-Flower	G4	S2	PT
303 <i>Utricularia intermedia</i>	Flat-Leaved Bladderwort	G5	S2	PT
304 <i>Utricularia minor</i>	Lesser Bladderwort	G5	S4	PT
305 <i>Viola appalachensis</i>	Appalachian Blue Violet	G4	S3S4	PT
306 <i>Vittaria appalachiana</i>	Appalachian Grass-Fern	G4	S2	PT

**Plant Special Concern Species--Rare**

<u>Scientific Name</u>	<u>Common Name</u>	<u>Global Rank</u>	<u>State Rank</u>	<u>Status Code</u>
1 <i>Amaranthus cannabinus</i>	Waterhemp Ragweed	G5	S3	PR
2 <i>Andromeda polifolia</i>	Bog-Rosemary	G5	S3	PR
3 <i>Aplectrum hyemale</i>	Puttyroot	G5	S3	PR
4 <i>Baccharis halimifolia</i>	Eastern Baccharis	G5	S3	PR
5 <i>Cakile edentula</i>	American Sea-Rocket	G5	S3	PR
6 <i>Carex disperma</i>	Soft-Leaved Sedge	G5	S3	PR
7 <i>Carex lasiocarpa</i>	Slender Sedge	G5	S3	PR
8 <i>Collinsia verna</i>	Spring Blue-Eyed Mary	G5	S4	PR
9 <i>Cyperus engelmannii</i>	Engelmann's Flatsedge	0	0	PR
10 <i>Cyperus schweinitzii</i>	Schweinitz's Flatsedge	G5	S2	PR
11 <i>Eleocharis olivacea</i>	Capitate Spike-Rush	G5	S4	PR
12 <i>Gaultheria hispidula</i>	Creeping Snowberry	G5	S3	PR
13 <i>Juncus filiformis</i>	Thread Rush	G5	S3	PR
14 <i>Juncus gymnocarpus</i>	Coville's Rush	G4	S4	PR
15 <i>Ledum groenlandicum</i>	Common Labrador-Tea	G5	S3	PR
16 <i>Lupinus perennis</i>	Lupine	G5	S3	PR
17 <i>Lygodium palmatum</i>	Hartford Fern	G4	S4	PR
18 <i>Malaxis bayardii</i>	Bayard's Malaxis	G1G2	S1	PR
19 <i>Menziesia pilosa</i>	Minniebush	G4G5	S3	PR
20 <i>Opuntia humifusa</i>	Prickly-Pear Cactus	G5	S3	PR
21 <i>Orontium aquaticum</i>	Golden Club	G5	S4	PR
22 <i>Potamogeton robbinsii</i>	Flat-Leaved Pondweed	G5	S4	PR
23 <i>Potamogeton zosteriformis</i>	Flat-Stemmed Pondweed	G5	S2S3	PR
24 <i>Pyrularia pubera</i>	Buffalo-Nut	G5	S3	PR
25 <i>Ranunculus micranthus</i>	Small-Flowered Crowfoot	G5	S4	PR
26 <i>Rotala ramosior</i>	Tooth-Cup	G5	S3	PR
27 <i>Sagittaria subulata</i>	Subulate Arrow-Head	G4	S3	PR
28 <i>Schizachyrium scoparium</i> var. <i>littorale</i>	Seaside Bluestem	G5T5	S3	PR
29 <i>Scirpus fluviatilis</i>	River Bulrush	G5	S3	PR
30 <i>Sedum telephioides</i>	Allegheny Stonecrop	G4	S3	PR
31 <i>Senecio anonymus</i>	Plain Ragwort	G5	S2	PR
32 <i>Solidago roanensis</i>	Tennessee Golden-Rod	G4G5	S2	PR
33 <i>Tipularia discolor</i>	Crane-fly Orchid	G4G5	S3	PR
34 <i>Trautvetteria caroliniensis</i>	Carolina Tassel-Rue	G5	S4	PR
35 <i>Trillium nivale</i>	Snow Trillium	G4	S3	PR
36 <i>Utricularia purpurea</i>	Purple Bladderwort	G5	S4	PR
37 <i>Wolffiella gladiata</i>	Bog-Mat	G5	S2	PR
38 <i>Xyris montana</i>	Yellow Eyed Grass	G4	S4	PR
39 <i>Zizania aquatica</i>	Indian Wild Rice	G5	S3	PR

**Plant Special Concern Species--Proposed Threatened & Endangered**

<u>Scientific Name</u>	<u>Common Name</u>	<u>Global Rank</u>	<u>State Rank</u>	<u>Current Status</u>	<u>Proposed Status</u>
1 <i>Aletris farinosa</i>	Colic-Root	G5	S1	TU	PE
2 <i>Amelanchier canadensis</i>	Serviceberry	G5	S1	N	PE
3 <i>Amelanchier humilis</i>	Low Juneberry	G5	S1	TU	PE
4 <i>Amelanchier obovalis</i>	Coastal Juneberry	G4G5	S1	TU	PE
5 <i>Amelanchier sanguinea</i>	Roundleaf Serviceberry	G5	S2	TU	PE
6 <i>Antennaria solitaria</i>	Single-Headed Pussytoe	G5	S1	TU	PE
7 <i>Antennaria virginica</i>	Shale Barren Pussytoe	G4	S3	N	PE
8 <i>Arabis hirsuta</i>	Western Hairy Rock-Cress	G5	S1	TU	PE
9 <i>Aristida curtissii</i> (name changed to <i>Aristida dichotoma</i> Michx. var. <i>curtissii</i> )	Three-Awned Grass	G5T5	S1S2	TU	PE
10 <i>Arnoglossum reniforme</i>	Great Indian Plantain	G4	S1	N	PE
11 <i>Asclepias variegata</i>	White Milkweed	G5	S1	TU	PE
12 <i>Astragalus neglectus</i>	Cooper's Milk- Vetch	G4	S1	PX	PE
13 <i>Bidens laevis</i>	Beggar-Ticks	G5	S1	N	PE
14 <i>Carex crawfordii</i>	Crawford's Sedge	G5	S1	TU	PE
15 <i>Carex aenea</i> (name changed to <i>Carex foenea</i> )	A Sedge	G5	S1	PX	PE
16 <i>Carex lupuliformis</i>	False Hop Sedge	G4	S1	TU	PE
17 <i>Carex meadii</i>	Mead's Sedge	G4G5	S1	TU	PE
18 <i>Carex richardsonii</i>	Richardson's Sedge	G5	S1	N	PE
19 <i>Carex roanensis</i>	Roan Mountain Sedge	G2G3	S1	N	PE
20 <i>Carex siccata</i>	A Sedge	G5	S2	N	PE
21 <i>Chasmanthium latifolium</i>	Wild Oat	G5	S1	TU	PE
22 <i>Chenopodium capitatum</i>	Strawberry Goosefoot	G5	SH	TU	PE
23 <i>Coeloglossum viride</i>	Long-Bracted Green Orchid	G5	SH	TU	PE
24 <i>Corallorhiza wisteriana</i>	Spring Coral-Root	G5	S1	TU	PE
25 <i>Corydalis aurea</i>	Golden Corydalis	G5	S1	N	PE
26 <i>Cystopteris laurentiana</i>	Laurentian Bladder-Fern	G3	S1	TU	PE
27 <i>Cystopteris tennesseensis</i>	Bladder Fern	G5	S1	N	PE
28 <i>Desmodium glabellum</i>	Tall Tick-Trefoil	G5	S1	TU	PE
29 <i>Desmodium laevigatum</i>	Smooth Tick-Clover	G5	S1	N	PE
30 <i>Desmodium obtusum</i>	Tick-Trefoil	G4G5	S1	N	PE
31 <i>Desmodium viridiflorum</i>	Velvety Tick-Trefoil	G5?	S1	N	PE
32 <i>Diarrhena americana</i>	American Beakgrain	G4G5	S1	N	PE
33 <i>Panicum lucidum</i> (name changed to <i>Dichanthelium lucidum</i> )	Shining Panic-Grass	GNR	S1	TU	PE
34 <i>Panicum commonsianum</i> var. <i>euchlamydeum</i> (name changed to <i>Dichanthelium commonsianum</i> var. <i>euchlamydeum</i> )	Cloaked Panic Grass	G5TNR	SH	PR	PE
35 <i>Dichanthelium laxiflorum</i>	Lax-Flower Witchgrass	G5	S1	N	PE
36 <i>Panicum spretum</i> (name changed to <i>Dichanthelium spretum</i> )	Eaton's Witchgrass	G5	S1	PX	PE
37 <i>Panicum villosissimum</i> (name changed to <i>Dichanthelium villosissimum</i> var. <i>villosissimum</i> )	Long-haired Panic-grass	G5T5	SH	TU	PE

38	<i>Panicum yadkinense</i> (name changed to <i>Dichantherium yadkinense</i> )	Yadkin River Panic-Grass	G4Q	S1	TU	PE
39	<i>Dryopteris celsa</i>	Log Fern	G4	S1	N	PE
40	<i>Elatine americana</i>	Long-stemmed Water-Wort	G4	SU	PX	PE
41	<i>Eleocharis tuberculosa</i>	Long-Tuberclcd Spike-Rush	G5	S1	PX	PE
42	<i>Equisetum × ferrissii</i>	Scouring-Rush	GNA	S1	N	PE
43	<i>Equisetum scirpoides</i>	Dwarf Scouring-Rush	G5	S1	N	PE
44	<i>Eupatorium album</i> (name changed to <i>Eupatorium album</i> var. <i>album</i> )	White Thoroughwort	G5T5	S1	PX	PE
45	<i>Euphorbia obtusata</i>	Blunt-Leaved Spurge	G5	S1	PX	PE
46	<i>Euphorbia obtusata</i>	[Blunt-Leaved Spurge]	G5	S1	PX	PE
47	<i>Fraxinus profunda</i>	Pumpkin Ash	G4	S1	N	PE
48	<i>Fraxinus quadrangulata</i>	Blue Ash	G5	S1	N	PE
49	<i>Gentiana saponaria</i>	Soapwort Gentian	G5	S1S2	TU	PE
50	<i>Gentiana villosa</i>	Striped Gentian	G4	S1	TU	PE
51	<i>Gratiola aurea</i>	Golden Hedge-Hyssop	G5	S1	TU	PE
52	<i>Gymnocarpium appalachianum</i>	Appalachian Oak Fern	G3	S1	TU	PE
53	<i>Hieracium umbellatum</i>	Canada Hawkweed	G5	S1	N	PE
54	<i>Hierochloe hirta</i>	Common Northern Sweet Grass	G5T5	S1	N	PE
55	<i>Houstonia serpyllifolia</i>	Creeping Bluets	G4?	S1	N	PE
56	<i>Hypericum gymnanthum</i>	Clasping-Leaved St. John's-Wort	G4	S1	PX	PE
57	<i>Iris virginica</i>	Virginia Blue Flag	G5	S2	N	PE
58	<i>Itea virginica</i>	Virginia Willow	G4	S1	PX	PE
59	<i>Juniperus communis</i> var. <i>depressa</i>	Dwarf Juniper	G5	S1S2	N	PE
60	<i>Lathyrus palustris</i> L	Vetchling	G5	S1	TU	PE
61	<i>Lathyrus venosus</i>	Veiny Pea	G5	S2	N	PE
62	<i>Lechea minor</i>	Thyme-leaved Pinweed	G5	S1S3	N	PE
63	<i>Lonicera hirsuta</i>	Hairy Honeysuckle	G4G5	S1	TU	PE
64	<i>Luzula bulbosa</i>	Southern Wood-Rush	G5	S1	TU	PE
65	<i>Lycopodiella margueritae</i>	A Clubmoss	G1G2	S1	N	PE
66	<i>Lythrum alatum</i>	Winged Loosestrife	G5	S1	TU	PE
67	<i>Malaxis brachypoda</i>	White Adder's-Mouth	G4Q	S1	TU	PE
68	<i>Meehania cordata</i>	Heartleaf Meehania	G5	S1	TU	PE
69	<i>Nuphar lutea</i> (name changed to <i>Nuphar microphylla</i> )	Yellow Cowlily	G5T4T5	S1	TU	PE
70	<i>Oldenlandia uniflora</i>	Clustered Bluets	G5	S1	N	PE
71	<i>Panicum longifolium</i>	Long-Leaf Panic-Grass	G4	S1	TU	PE
72	<i>Paronychia fastigiata</i> (Raf.) Fernald var <i>nutalli</i>	Whitlow Wort	G5T3T5	S1S2	TU	PE
73	<i>Parthenium integrifolium</i>	American Fever-Few	G5	S1	TU	PE
74	<i>Pedicularis lanceolata</i>	Swamp Lousewort	G5	S1S2	N	PE
75	<i>Phaseolus polystachios</i>	Wild Kidney Bean	G5	S1S2	N	PE
76	<i>Phlox pilosa</i>	Downy Phlox	G5	S1S2	TU	PE
77	<i>Phragmites australis</i> ssp. <i>americanus</i>	Common Reed (native)	G5T4	S1	N	PE
78	<i>Phyllanthus caroliniensis</i>	Carolina Leaf-Flower	G5	S1	PX	PE
79	<i>Physalis virginiana</i>	Virginia Ground-Cherry	G5	S1S2	TU	PE
80	<i>Piptochaetium avenaceum</i>	Blackseed Needlegrass	G5	S1	N	PE

81	<i>Platanthera aquilonis</i>	Northern Green Orchid	G5	S1	N	PE
82	<i>Platanthera blephariglottis</i>	White Fringed-Orchid	G4G5	S2S3	N	PE
83	<i>Platanthera hookeri</i>	Hooker's Orchid	G4	S1	TU	PE
84	<i>Platanthera huronensis</i>	Huron Green Orchid	G5?	S1	N	PE
85	<i>Platanthera macrophylla</i>	Large Roundleaf Orchid	G5T4	S1	N	PE
86	<i>Pluchea odorata</i>	Shrubby Camphor-Weed	G5	S1	TU	PE
87	<i>Polygala nuttalli</i>	Nuttall's Milkwort	G5	S3	N	PE
88	<i>Polygala polygama</i>	Racemed Milkwort	G5	S1S2	TU	PE
89	<i>Polygonella articulata</i>	Eastern Jointweed	G5	S1	TU	PE
90	<i>Potamogeton oakesianus</i>	Oakes' Pondweed	G4	S1S2	TU	PE
91	<i>Potamogeton praelongus</i>	White-Stemmed Pondweed	G5	S1	PX	PE
92	<i>Prunus pumila</i> (name changed to <i>Prunus pumila</i> L. var. <i>depressa</i> )	Sand Cherry	G5T5	S1	PR	PE
93	<i>Pyrola chlorantha</i> Swartz	Wintergreen	G5	S1	N	PE
94	<i>Quercus michauxii</i> Nutt.	Swamp Chestnut Oak	G5	S1	N	PE
95	<i>Ranunculus hederaceus</i>	Long-Stalked Crowfoot	G5	S1	PX	PE
96	<i>Ranunculus hederaceus</i>	Long-Stalked Crowfoot	G5	S1	PX	PE
97	<i>Ranunculus pusillus</i>	Spearwort	G5	S1	N	PE
98	<i>Ratibida pinnata</i>	Gray-Headed Prairie Coneflower	G5	S1	TU	PE
99	<i>Rhynchospora globularis</i> (name changed to <i>Rhynchospora recognita</i> )	Small Globe Beaked-Rush	G5?	S1	TU	PE
100	<i>Ribes lacustre</i>	Swamp Currant	G5	S1	TU	PE
101	<i>Rubus cuneifolius</i>	Sand Blackberry	G5	S1	TU	PE
102	<i>Rubus setosus</i>	Small Bristleberry	G5	SH	TU	PE
103	<i>Sagittaria cuneata</i>	Wapatum Arrowhead	G5	S1	N	PE
104	<i>Salix caroliniana</i>	Carolina Willow	G5	S1	N	PE
105	<i>Salix myricoides</i>	Broad-Leaved Willow	G4	S2	N	PE
106	<i>Salix pedicellaris</i>	Bog Willow	G5	S1	N	PE
107	<i>Scleria triglomerata</i>	Whip Nutrush	G5	SH	TU	PE
108	<i>Scutellaria saxatilis</i>	Rock Skullcap	G3	S1	TU	PE
109	<i>Scutellaria serrata</i>	Showy Skullcap	G4G5	S1	PX	PE
110	<i>Solidago rigida</i>	Hard-Leaved Goldenrod	G5	S1	TU	PE
111	<i>Spiranthes tuberosa</i>	Little Ladies'-Tresses	G5	S1	TU	PE
112	<i>Strophostyles umbellata</i>	Wild Bean	G5	S2	N	PE
113	<i>Stylosanthes biflora</i>	Pencilflower	G5	S2	TU	PE
114	<i>Symphotrichum drummondii</i>	Hairy Heart-Leaved Aster	G5	SH	N	PE
115	<i>Aster dumosus</i> (name changed to <i>Symphotrichum dumosum</i> )	Bushy Aster	G5	S1	TU	PE
116	<i>Toxicodendron rydbergii</i>	Giant Poison-Ivy	G5	S1	N	PE
117	<i>Triadenum walteri</i>	Greater Marsh St. John's-Wort	G5	0	N	PE
118	<i>Triosteum angustifolium</i>	Horse-Gentian	G5	S1	TU	PE
119	<i>Tripsacum dactyloides</i>	Eastern Gamma-Grass	G5	S1	TU	PE
120	<i>Trisetum spicatum</i>	Narrow False Oats	G5	S1	N	PE
121	<i>Veratrum virginicum</i>	Virginia Bunchflower	G5	S1	N	PE
122	<i>Viola renifolia</i>	Kidney-Leaved White Violet	G5	S1	TU	PE
123	<i>Vitis cinerea</i>	Possum-Grape	G4G5TNR	SH	TU	PE

124	<i>Vitis rupestris</i>	Sand Grape	G3	S1	PX	PE
125	<i>Zigadenus glaucus</i>	White Camas	G5T4T5	S1	N	PE
126	<i>Alopecurus aequalis</i>	Short-Awned Foxtail	G5	S3	N	PT
127	<i>Arabis patens</i>	Spreading Rockcress	G3	S2	N	PT
128	<i>Baptisia australis</i>	Blue False-Indigo	G5	S2	N	PT
129	<i>Bromus kalmii</i>	Brome Grass	G5	S2	N	PT
130	<i>Cardamine maxima</i>	Large Toothwort	G5	S2	N	PT
131	<i>Carex brevior</i>	A Sedge	G5?	S2?	N	PT
132	<i>Carex haydenii</i>	Cloud Sedge	G5	S1S2	TU	PT
133	<i>Carex limosa</i>	Mud Sedge	G5	S2	TU	PT
134	<i>Carex longii</i>	Long's Sedge	G5	S2S3	TU	PT
135	<i>Carex ormostachya</i>	Spike Sedge	G4	S2	N	PT
136	<i>Castilleja coccinea</i>	Scarlet Indian-Paintbrush	G5	S2	TU	PT
137	<i>Chionanthus virginicus</i>	Fringe Tree	G5	S3	N	PT
138	<i>Cuscuta cephalanthi</i>	Button-Bush Dodder	G5	S2	TU	PT
139	<i>Cuscuta compacta</i>	Dodder	G5	S2	N	PT
140	<i>Cuscuta corylii</i>	Hazel Dodder	G5?	SH	TU	PT
141	<i>Cuscuta pentagona</i>	Field Dodder	G5	S2	N	PT
142	<i>Cuscuta polygonorum</i>	Smartweed Dodder	G5	S2	TU	PT
143	<i>Cyperus lancastris</i>	Umbrella Sedge	G5	S2	N	PT
144	<i>Deschampsia cespitosa</i>	Tufted Hairgrass	G5	S3	N	PT
145	<i>Desmodium nuttallii</i>	Nuttall's Tick-Trefoil	G5	S2	TU	PT
146	<i>Dichanthelium oligosanthes</i>	Heller's Witchgrass	G5	S3	N	PT
147	<i>Dryopteris clintoniana</i>	Clinton's Wood Fern	G5	S2	N	PT
148	<i>Eupatorium godfreyanum</i>	Vasey's Eupatorium	G4	S1S2	N	PT
149	<i>Eurybia radula</i>	Rough Aster	G5	S2	N	PT
150	<i>Goodyera tessellata</i>	Checkered Rattlesnake-Plantain	G5	S1	TU	PT
151	<i>Hedyotis purpurea</i> (name changed to <i>Houstonia purpurea</i> var. <i>purpurea</i> )	Purple Bluets	G5T5	S1S2	TU	PT
152	<i>Hypericum stragulum</i>	St. Andrew's-Cross	G4	S2	N	PT
153	<i>Juncus biflorus</i>	Grass-Leaved Rush	G5	S2	TU	PT
154	<i>Juncus debilis</i>	Weak Rush	G5	S3	N	PT
155	<i>Leucothoe racemosa</i>	Swamp Dog-Hobble	G5	S2S3	TU	PT
156	<i>Liatris scariosa</i> var. <i>novae-angliae</i> (lumped to <i>Liatris scariosa</i> )	Round-Head Gayfeather	G5?	S2	TU	PT
157	<i>Liatris scariosa</i> var. <i>nieuwlandii</i> (lumped to <i>Liatris scariosa</i> )	Round-Head Gayfeather	G5?	S3	TU	PT
158	<i>Lithospermum canescens</i>	Hoary Puccoon	G5	S2	N	PT
159	<i>Lysimachia hybrida</i>	Lance-Leaved Loosestrife	G5	S1	N	PT
160	<i>Oenothera oakesiana</i>	Evening-primrose		N	PT	PT
161	<i>Oxypolis rigidior</i>	Stiff Cowbane	G5	S2	TU	PT
162	<i>Panicum annulum</i>	Annulus Panic-Grass	0	0	TU	PT
163	<i>Panicum flexile</i>	Wiry Witchgrass	G5	S2S3	TU	PT
164	<i>Pinus echinata</i>	Short-Leaf Pine	G5	S1S2	N	PT
165	<i>Platanthera ciliaris</i>	Yellow Fringed-Orchid	G5	S2	TU	PT
166	<i>Platanthera peramoena</i>	Purple Fringeless Orchid	G5	S2	TU	PT
167	<i>Poa languida</i>	Drooping Bluegrass	G3G4Q	S2	TU	PT

168 <i>Prenanthes serpentaria</i>	Lion's-Foot	G5	S3	N	PT
169 <i>Prunus alleghaniensis</i>	Alleghany Plum	G4	S2S3	N	PT
170 <i>Prunus pumila</i> L. var. <i>susquehanae</i>	Sand Cherry	G5T4	S2	N	PT
171 <i>Ranunculus flabellaris</i>	Yellow Water-Crowfoot	G5	S2	N	PT
172 <i>Rudbeckia fulgida</i>	Eastern Coneflower	G5	S3	N	PT
173 <i>Solidago speciosa</i> var. <i>speciosa</i>	Showy Goldenrod	G5T5?	S2	N	PT
174 <i>Solidago uliginosa</i>	Bog Goldenrod	G4G5	S2	N	PT
175 <i>Sparganium angustifolium</i>	Bur-Reed	G5	S2	N	PT
176 <i>Spiranthes lucida</i>	Shining Ladies'-Tresses	G5	S3	N	PT
177 <i>Aster ericoides</i> (name changed to <i>Symphotrichum ericoides</i> )	White Heath Aster	G5	S3	TU	PT
178 <i>belgii</i>	New York Aster	G5	S2	PT	PT
179 <i>Trillium cernuum</i>	Nodding Trillium	G5	S2	N	PT
180 <i>Trillium flexipes</i>	Declined Trillium	G5	S2	TU	PT
181 <i>Utricularia cornuta</i>	Horned Bladderwort	G5	S2	N	PT
182 <i>Viburnum trilobum</i>	Highbush-Cranberry	G5T5	S1S2	TU	PT
183 <i>Woodwardia areolata</i>	Netted Chain Fern	G5	S2	N	PT
184 <i>Xyris torta</i>	Twisted Yellow-Eyed Grass	G5	S1	N	PT

**Plant Special Concern Species--Proposed Rare**

<u>Scientific Name</u>	<u>Common Name</u>	<u>Global Rank</u>	<u>State Rank</u>	<u>Current Status</u>	<u>Proposed Status</u>
1 <i>Ageratina aromatica</i>	Small White-Snakeroot	G5	S3	N	PR
2 <i>Andropogon glomeratus</i>	Bushy Bluestem	G5	S3	TU	PR
3 <i>Andropogon gyrans</i>	Elliott's Beardgrass	G5	S3	N	PR
4 <i>Asplenium pinnatifidum</i>	Lobed Spleenwort	G4	S3	N	PR
5 <i>Bartonia paniculata</i>	Screw-Stem	G5	S3	N	PR
6 <i>Bidens discoidea</i>	Small Beggar-	G5	S3	N	PR
7 <i>Carex buxbaumii</i>	Brown Sedge	G5	S3	TU	PR
8 <i>Carex shortiana</i>	Sedge	G5	S3	N	PR
9 <i>Carex sprengei</i>	Sedge	G5	S3	N	PR
10 <i>Cassia marilandica</i> (name changed to <i>Senna marilandica</i> )	Wild Senna	G5	S3	TU	PR
11 <i>Galium trifidum</i>	Marsh Bedstraw	G5	S2	N	PR
12 <i>Isoetes valida</i>	Quillwort	G4?	S1S3	N	PR
13 <i>Oxydendrum arboreum</i>	Sourwood	G5	S3S4	TU	PR
14 <i>diffusus</i> )	White Water-Crowfoot	G5T5	S3	TU	PR
15 <i>Samolus parviflorus</i>	Pineland Pimpernel	G5T5	S3	TU	PR
16 <i>Schoenoplectus subterminalis</i>	Water Bulrush	G4G5	S3	N	PR
17 <i>Smallanthus uvedalius</i>	Leaf-Cup	G4G5	S3	N	PR
18 <i>Stenanthium gramineum</i>	Featherbells	G4G5	S3	N	PR
19 <i>Uvularia puberula</i> (name changed to <i>Uvularia pudic</i> )	Mountain Bellwort	G5	S3	TU	PR
20 <i>Viola selkirkii</i>	Great-Spurred Violet	G5?	S3S4	N	PR



**Plant Special Concern Species--Tentatively Undetermined**

<u>Scientific Name</u>	<u>Common Name</u>	<u>Global Rank</u>	<u>State Rank</u>	<u>Current Status</u>
1 <i>Adiantum pedatum</i> spp <i>caulderi</i> (name changed to <i>Adiantum aleuticum</i> )	Aleutian Maidenhair Fern	G5?	SU	TU
2 <i>Agalinis obtusifolia</i>	False-Foxglove	G4G5Q	SNR	TU
3 <i>Ambrosia psilostachya</i>	Naked-Spiked Ambrosia	G5	SNA	TU
4 <i>Aristida longespica</i> var. <i>geniculata</i>	Long-Spike Three-Awned Grass	G5	SU	TU
5 <i>Aristolochia macrophylla</i>	Pipevine	G5	S4	TU
6 <i>Aster firmus</i>	Firm Aster	0	0	TU
7 <i>Astragalus canadensis</i>	Canadian Mildvetch	G5	S2	TU
8 <i>Carex mesochorea</i>	Midland Sedge	G4G5	S4	TU
9 <i>Crataegus brainerdii</i>	Brainerd's Hawthorne	G5	SU	TU
10 <i>Crataegus dilatata</i>	A Hawthorne	G4	SU	TU
11 <i>Crataegus mollis</i>	Downy Hawthorne	G5	SU	TU
12 <i>Crataegus pennsylvanica</i>	Red-Fruited Hawthorn	G3Q	S2S3	TU
13 <i>Cyperus odoratus</i>	Rusty Flatsedge	G5	S4	TU
14 <i>Cyperus tenuifolius</i>	Thin-Leaved Flatsedge	0	0	TU
15 <i>Dracocephalum parviflorum</i>	American Dragonhead	G5	SNA	TU
16 <i>Elatine minima</i>	Small Water-Wort	G5	S4	TU
17 <i>Elodea canadensis</i>	Broad Waterweed	G5	SU	TU
18 <i>Elymus trachycaulus</i>	Slender Wheatgrass	G5	S3	TU
19 <i>Elymus virginicus</i>	Wild Rye	0	0	TU
20 <i>Epilobium palustre</i>	Marsh Willow-Herb	G5	S1	TU
21 <i>Erythronium albidum</i>	White Trout-Lily	G5	S3	TU
22 <i>Eupatorium rotundifolium</i>	Round-Leaved Thoroughwort	G5	S3	TU
23 <i>Filipendula rubra</i>	Queen-of-the-Prairie	G4G5	S1S2	TU
24 <i>Galium latifolium</i>	Purple Bedstraw	G5	S3	TU
25 <i>Glyceria acutiflora</i>	Sharp-Flowered Manna-Grass	G5	S4	TU
26 <i>Helianthus hirsutus</i>	Sunflower	G5	S2	TU
27 <i>Isoetes</i> × <i>brittonii</i>	Quillwort	GNA	S1S2	TU
28 <i>Juniperus communis</i>	Common Juniper	S2	S2	TU
29 <i>Lactuca hirsuta</i>	Downy Lettuce	G5?	S3	TU
30 <i>Lemna turionifera</i>	Winter Duckweed	G5	S4	TU
31 <i>Oenothera pilosella</i>	Evening-Primrose	G5	SNA	TU
32 <i>Panicum bicknellii</i>	Bicknell's Panic-Grass	0	0	TU
33 <i>Panicum boreale</i> (name changed to <i>Dichanthelium boreale</i> )	Northern Witchgrass	G5	SH	TU
34 <i>Panicum longiligulatum</i>	Long-Ligule Panic-Grass	0	0	TU
35 <i>Panicum recognitum</i>	Fernald's Panic-Grass	0	0	TU
36 <i>Paspalum floridanum</i> var. <i>glabratum</i>	Florida Beadgrass	0	0	TU
37 <i>Paspalum laeve</i> var. <i>pilosum</i>	Field Beadgrass	0	0	TU
38 <i>Paspalum setaceum</i>	Slender Beadgrass	G5	S4	TU
39 <i>Penstemon canescens</i>	Beard-Tongue	G4	S3	TU
40 <i>Penstemon laevigatus</i>	Beard-Tongue	G5	S3	TU

41	<i>Phyla lanceolata</i>	Lance Fog-Fruit	G5	S4	TU
42	<i>Podostemum ceratophyllum</i>	Riverweed	G5	S4	TU
43	<i>Polygonum amphibium</i> var. <i>stipulaceum</i>	Stipuled Water-Smartweed	G4	S4	TU
44	<i>Potamogeton illinoensis</i>	Illinois Pondweed	G5	S4	TU
45	<i>Potamogeton perfoliatus</i>	Clasping-Stemmed Pondweed	G5	S3S4	TU
46	<i>Ranunculus ambigens</i>	Water-Plantain Spearwort	G4	S3	TU
47	<i>Rhamnus alnifolia</i>	Alder-Leaved Buckthorn	G5	S4	TU
48	<i>Rorippa palustris</i> var. <i>palustris</i>	Yellow Cress	0	0	TU
49	<i>Rosa blanda</i>	Meadow Rose	G5	SU	TU
50	<i>Rosa virginiana</i>	Virginia Rose	G5	S1	TU
51	<i>Salix petiolaris</i>	Meadow Willow	G5	S4	TU
52	<i>Salvia reflexa</i>	Lance-Leaved Sage	G5	SNA	TU
53	<i>Saxifraga micranthidifolia</i>	Lettuce Saxifrage	G5	S4	TU
54	<i>Sisyrinchium montanum</i>	Blue-Eyed-Grass	G5	S3S5	TU
55	<i>Solidago purshii</i>	Pursh's Goldenrod	0	0	TU
56	<i>Spirodela punctata</i>	Eastern Water-Flaxseed	G5	SNA	TU
57	<i>Stellaria borealis</i>	Mountain Starwort	G5	S1S2	TU
58	<i>Symphotrichum praealtum</i>	Veiny-Lined Aster	G5	S3	TU
59	<i>Taxus canadensis</i>	American Yew	G5	S3S4	TU
60	<i>Thalictrum dasycarpum</i>	Purple Meadow-Rue	G5	S1	TU
61	<i>Tradescantia ohioensis</i>	Ohio Spiderwort	G5	S4	TU
62	<i>Veronica catenata</i>	Pennell's Speedwell	0	0	TU
63	<i>Viola nephrophylla</i>	Northern Bog Violet	0	0	TU
64	<i>Wolffia borealis</i>	Dotted Water-Meal	G5	S4	TU
65	<i>Zanichellia palustris</i>	Horned Pondweed	0	0	TU

PA Natural Heritage Program Species Lists

Terrestrial Invertebrates--DCNR

Threatened and Endangered Species & Special Concern Species

List as of Jan 18, 2014

**Special Concern Species--Terrestrial Invertebrates**

<u>Scientific Name</u>	<u>Common Name</u>	<u>Global Rank</u>	<u>State Rank</u>
1 <i>Amblyscirtes vialis</i>	Common Roadside Skipper	G4	S2
2 <i>Apharetra dentata</i>	A Noctuid Moth	G4	S2
3 <i>Aplectoides condita</i>	A Noctuid Moth	G4	S2S3
4 <i>Apodrepanulatrix liberaria</i>	a geometrid moth	G3	S1S3
5 <i>Artace cribraria</i>	Dot-lined White Moth	G5	S1
6 <i>Atrytonopsis hianna</i>	Dusted Skipper	G4G5	S2
7 <i>Calephelis borealis</i>	Northern Metalmark	G3G4	S2
8 <i>Callophrys irus</i>	Frosted Elfin	G3	S2
9 <i>Caripeta aretaria</i>	Southern Pine Looper Moth	G4	S1S2
10 <i>Carterocephalus palaemon mandan</i>	Arctic Skipper	G5T5	S2
11 <i>Catocala sp. 1 nr. jair</i>	Pine Woods Underwing	G5	S1
12 <i>Catocala umbrosa</i>	an Underwing Moth	G5	S1
13 <i>Chaetagnalea cerata</i>	a sallow moth	G3G4	S2S3
14 <i>Chaetagnalea tremula</i>	Barrens Chaetagnalea	G5	S1
15 <i>Cicindela ancocisconensis</i>	Appalachian tiger beetle	G3	S1
16 <i>Cicindela patruela</i>	northern barrens tiger beetle	G3	S2S3
17 <i>Datana ranaeiceps</i>	A Hand-maid Moth	G3G4	S1
18 <i>Erastria coloraria</i>	Broad-lined Erastria Moth	G3G4	S1
19 <i>Erynnis lucilius</i>	Columbine Duskywing	G4	S1
20 <i>Erynnis persius persius</i>	Persius Duskywing	G5T1T3	S1
21 <i>Euchloe olympia</i>	Olympia Marble	G4G5	S1
22 <i>Euphyes bimacula</i>	Two-spotted Skipper	G4	S2
23 <i>Euphyes dion</i>	Dion Skipper	G4	S2
24 <i>Glaucopsyche lygdamus lygdamus</i>	Silvery Blue	G5T3T4	S1
25 <i>Glena cognataria</i>	Blueberry Gray	G4	S1
26 <i>Hemileuca maia</i>	Barrens Buckmoth	G5	S1S2
27 <i>Hemipachnobia monochromatea</i>	Sundew Cutworm Moth	G4	S2S3
28 <i>Hesperia metea</i>	Cobweb Skipper	G4	S2
29 <i>Hypagyrtis esther</i>	Esther Moth	G5	S2S3
30 <i>Idaea eremiata</i>		G4	S1
31 <i>Idaea violacearia</i>	A Wave Moth	G4	S1
32 <i>Itame sp. 1 nr. inextricata</i>	Barrens Itame (Cf I. Inextricata)	G3G4	S1
33 <i>Lagoa crispata</i>	Black-waved Flannel Moth	G5	S1
34 <i>Lycaena epixanthe</i>	Bog Copper	G4G5	S2
35 <i>Lycia rachelae</i>	Twilight Moth	G4G5	S1

36 <i>Metaxaglaea semitaria</i>	Footpath Sallow Moth	G5	S2
37 <i>Papaipema sp. 1</i>	Flypoison Borer Moth	G2G3	S2
38 <i>Papilio cresphontes</i>	Giant Swallowtail	G5	S2
39 <i>Phyciodes cocyta</i>	Northern Crescent	G5	S2
40 <i>Pieris virginiensis</i>	West Virginia White	G3?	S2S3
41 <i>Poanes massasoit</i>	Mulberry Wing	G4	S2
42 <i>Poanes viator viator</i>	Broad-winged Skipper	G5T4	S2S3
43 <i>Psectraglaea carnosia</i>	Pink Sallow	G3	S1
44 <i>Pyrgus wyandot</i>	Appalachian Grizzled Skipper	G1G2Q	S1
45 <i>Richia acclivis</i>	A Noctuid Moth	G4G5	S1S2
46 <i>Speyeria idalia</i>	Regal Fritillary	G3	S1
47 <i>Sphinx gordius</i>	Apple sphinx	G4	S1S3
48 <i>Xestia elimata</i>	Southern Variable Dart Moth	G5	S2S3
49 <i>Zale curema</i>	A Zale Moth	G3G4	S1
50 <i>Zale sp. 1 nr. lunifera</i>	Pine Barrens Zale	G3G4	S1
51 <i>Zale submediana</i>	A Zale Moth	G4	S2

PA Natural Heritage Program Species Lists

Natural Communities--DCNR

Rare and Significant Ecological Resources

List as of Jan 28, 2014

**Rare and Significant Ecological Resources-Natural Communities**

	<u>Community Name</u>	<u>Global Rank</u>	<u>State Rank</u>
1	Alder - ninebark wetland	GNR	S3
2	Big bluestem - indian grass river grassland	GNR	S3
3	Black spruce - tamarack palustrine woodland	GNR	S2
4	Black spruce - tamarack peatland forest	GNR	S3
5	Bottomland oak - hardwood palustrine forest	GNR	S2
6	Buckthorn - sedge (carex interior) - golden ragwort fen	GNR	S1
7	Calcareous opening/cliff	GNR	S2
8	Cotton-grass Poor Fen	G3	S3
9	Elm-Ash-Maple Lakeplain Forest	GNR	S1
10	Freshwater Intertidal Marsh	G3/G4	S1
11	Freshwater Tidal Mixed High Marsh	GNR	S1
12	Golden saxifrage - pennsylvania bitter-cress spring run	GNR	S3S4
13	Golden saxifrage - sedge rich seep	GNR	S2
14	Great lakes region scarp seep	GNR	S1
15	Great lakes region scarp woodland	GNR	S1S2
16	Hemlock - mixed hardwood palustrine forest	GNR	S3S4
17	Hemlock palustrine forest	GNR	S3
18	Herbaceous vernal pond	GNR	S3S4
19	Leatherleaf - bog rosemary peatland	GNR	S2S3
20	Leatherleaf - sedge wetland	GNR	S3
21	Leatherleaf -cranberry peatland	GNR	S2S3
22	Low heath shrubland	GNR	S1
23	Many fruited sedge - bladderwort peatland	GNR	S2
24	Mixed forb marsh	GNR	S3
25	Mixed mesophytic forest	GNR	S1S2
26	Open sedge (carex stricta, c. prairea, c. lacustris) fen	GNR	S1
27	Pitch pine - leatherleaf palustrine woodland	GNR	S2
28	Pitch pine - rhodora - scrub oak woodland	GNR	S1
29	Pitch pine - scrub oak woodland	GNR	S2S3
30	Poison sumac - red-cedar - bayberry fen	GNR	S1
31	Prairie sedge - spotted joe-pye-weed marsh	GNR	S1S2
32	Red maple - black ash palustrine forest	GNR	S2S3
33	Red maple - black-gum palustrine forest	GNR	S3S4
34	Red maple - elm - willow floodplain swamp	GNR	S2
35	Red maple - magnolia coastal plain palustrine forest	GNR	S1

36	Red spruce - mixed hardwood palustrine forest	GNR	S3
37	Red spruce palustrine forest	GNR	S3
38	Red spruce palustrine woodland	GNR	S2S3
39	Red spruce rocky summit	GNR	S1
40	Red-cedar - mixed hardwood rich shale woodland	GNR	S1S2
41	Red-cedar - pine serpentine shrubland	GNR	S1
42	Red-cedar - prickly pear shale shrubland	GNR	S2
43	Red-cedar - redbud shrubland	GNR	S2
44	Rhodora - mixed heath - scrub oak shrubland	GNR	S1
45	Rich hemlock - mesic hardwoods forest	GNR	S2S3
46	River Bluff Seep	GNR	S1
47	Riverside ice scour community	GNR	S1S2
48	Serpentine grassland	GNR	S1
49	Serpentine pitch pine - oak forest	GNR	S1
50	Serpentine virginia pine - oak forest	GNR	S2
51	Side-oats gramma calcareous grassland	GNR	S1
52	Sphagnum - beaked rush peatland	GNR	S3
53	Sweet gum - oak coastal plain forest	GNR	S1
54	Virginia pine - mixed hardwood shale woodland	GNR	S2
55	Water-willow (decodon verticillatus) shrub wetland	GNR	S3
56	Yellow oak - redbud woodland	GNR	S2

PA Natural Heritage Program Species Lists

Geologic features--DCNR

Threatened and Endangered Species & Species of Concern

List as of Jan 28, 2014

*Rare and Significant Ecological Resources*

<u>Geologic Name</u>	<u>Global Rank</u>	<u>State Rank</u>
1 Esker	GNR	SNR
2 Kettlehole	GNR	SNR
3 Sand Dune	GNR	SNR
4 Potholes	GNR	SNR
5 Boulder Belts	GNR	SNR
6 Waterfalls and Rapids	GNR	SNR
7 Meandering Channels	GNR	SNR
8 Drainage Patterns	GNR	SNR
9 Springs	GNR	SNR
10 Anticlines	GNR	SNR
11 Erosional Remnant	GNR	SNR
12 Mineralization Materials	GNR	SNR
13 Life History	GNR	SNR
14 Vertebrate Fossil Animals	GNR	SNR
15 Invertebrate Fossil Animals	GNR	SNR
16 Fossil Plants	GNR	SNR
17 Paleozoic Earth History	GNR	SNR
18 Tufa	GNR	SNR

## PA Natural Heritage Program Species Lists

### Rank and Status Definitions

#### Threatened and Endangered Species & Special Concern Species

#### Fish, Amphibians, Reptiles, and Aquatic Organisms Status Codes and Definitions

PE	<b>Pennsylvania Endangered</b> - All species declared by: 1) the Secretary of the United States Department of the Interior to be threatened with extinction and appear on the Endangered Species List or the Native Endangered Species List published in the Federal Register; or 2) have been declared by the Pennsylvania Fish Commission, Executive Director to be threatened with extinction and appear on the Pennsylvania Endangered Species List published by the Pennsylvania Bulletin.
PT	<b>Pennsylvania Threatened</b> - All species declared by: 1) the Secretary of the United States Department of the Interior to be in such small numbers throughout their range that they may become endangered if their environment worsens, and appear on a Threatened Species List published in the Federal Register; or 2) have been declared by the Pennsylvania Fish Commission Executive Director to be in such small numbers throughout their range that they may become endangered if their environment worsens and appear on the Pennsylvania Threatened Species List published in the Pennsylvania Bulletin.
PC	Animals that could become endangered or threatened in the future. All of these are uncommon, have restricted distribution or are at risk because of certain aspects of their biology.
N	No current legal status, but is under review for future listing.

**Fish, Amphibians, Reptiles, and Aquatic Organisms Legislative Authority:** Title 30, Chapter 75, Fish and Boat Code, revised February 9, 1991; Pennsylvania Fish Commission.

#### Wild Birds and Mammals Status Codes and Definitions

PE	<b>Pennsylvania Endangered</b> - Species in imminent danger of extinction or extirpation throughout their range in Pennsylvania if the deleterious factors affecting them continue to operate. These are: 1) species whose numbers have already been reduced to a critically low level or whose habitat has been so drastically reduced or degraded that immediate action is required to prevent their extirpation from the Commonwealth; or 2) species whose extreme rarity or peripherality places them in potential danger of precipitous declines or sudden extirpation throughout their range in Pennsylvania; or 3) species that have been classified as "Pennsylvania Extirpated", but which are subsequently found to exist in Pennsylvania as long as the above conditions 1 or 2 are met; or 4) species determined to be "Endangered" pursuant to the Endangered Species Act of 1973, Public Law 93 205 (87 Stat. 884), as amended.
PT	<b>Pennsylvania Threatened</b> - Species that may become endangered within the foreseeable future throughout their range in Pennsylvania unless the casual factors affecting the organism are abated. These are: 1) species whose populations within the Commonwealth are decreasing or have been heavily depleted by adverse factors and while not actually endangered, are still in critical condition; 2) species whose populations may be relatively abundant in the Commonwealth but are under severe threat from serious adverse factors that have been identified and documented; or 3) species whose populations are rare or peripheral and in possible danger of severe decline throughout their range in Pennsylvania; or 4) species determined to be "Threatened" pursuant to the Endangered Species Act of 1973, Public Law 93205 (87 Stat. 884), as amended, that are not listed as "Pennsylvania Endangered".

**Wild Birds and Mammals Legislative Authority:** Title 34 Chapter 133, Game and Wildlife Code, revised Dec. 1, 1990, Pennsylvania Game Commission.



## Plant Status Codes and Definitions

- PE** **Pennsylvania Endangered** - Plant species which are in danger of extinction throughout most of their natural range within this Commonwealth, if critical habitat is not maintained or if the species is greatly exploited by man. This classification shall also include any populations of plant species that have been classified as Pennsylvania Extirpated, but which subsequently are found to exist in this Commonwealth.
- PT** **Pennsylvania Threatened** - Plant species which may become endangered throughout most or all of their natural range within this Commonwealth, if critical habitat is not maintained to prevent their future decline, or if the species is greatly exploited by man.
- PR** **Pennsylvania Rare** - Plant species which are uncommon within this Commonwealth. All species of the native wild plants classified as Disjunct, Endemic, Limit of Range and Restricted are included within the Pennsylvania Rare classification.
- Disjunct** Significantly separated from their main area of distribution
- Endemic** Confined to a specialized habitat.
- Limit of Range** At or near the periphery of their natural distribution
- Restricted** Found in specialized habitats or habitats infrequent in Pennsylvania.
- PX** **Pennsylvania Extirpated** - Plant species believed by the Department to be extinct within this Commonwealth. These plants may or may not be in existence outside the Commonwealth.
- PV** **Pennsylvania Vulnerable** - Plant species which are in danger of population decline within Commonwealth because of their beauty, economic value, use as a cultivar, or other factors which indicate that persons may seek to remove these species from their native habitats.
- TU** **Tentatively Undetermined** - A classification of plant species which are believed to be in danger of population decline, but which cannot presently be included within another classification due to taxonomic uncertainties, limited evidence within historical records, or insufficient data.
- N** No current legal status exists, but is under review for future listing.

**Native Plant Species Legislative Authority:** Title 17 Chapter 45, Conservation of Native Wild Plants, January 1, 1988; Pennsylvania Department of Conservation and Natural Resources.

## Pennsylvania Biological Survey (PBS) Suggested Status Definitions

PE	<b>Pennsylvania Endangered</b> - Species in imminent danger of extinction or extirpation throughout their range in Pennsylvania if the deleterious factors affecting them continue to operate. These are: 1) species whose numbers have already been reduced to a critically low level or whose habitat has been so drastically reduced or degraded that immediate action is required to prevent their extirpation from the Commonwealth; or 2) species whose extreme rarity or peripherality places them in potential danger of precipitous declines or sudden extirpation throughout their range in Pennsylvania; or 3) species that have been classified as "Pennsylvania Extirpated", but which are subsequently found to exist in Pennsylvania as long as the above conditions 1 or 2 are met; or 4) species determined to be "Endangered" pursuant to the Endangered Species Act of 1973, Public Law 93 205 (87 Stat. 884), as amended.
PT	<b>Pennsylvania Threatened</b> - Species that may become endangered within the foreseeable future throughout their range in Pennsylvania unless the casual factors affecting the organism are abated. These are: 1) species whose populations within the Commonwealth are decreasing or have been heavily depleted by adverse factors and while not actually endangered, are still in critical condition; 2) species whose populations may be relatively abundant in the Commonwealth but are under severe threat from serious adverse factors that have been identified and documented; or 3) species whose populations are rare or peripheral and in possible danger of severe decline throughout their range in Pennsylvania; or 4) species determined to be "Threatened" pursuant to the Endangered Species Act of 1973, Public Law 93205 (87 Stat. 884), as amended, that are not listed as "Pennsylvania Endangered".
PR	<b>Pennsylvania Rare</b> - Plant species which are uncommon within this Commonwealth. All species of the native wild plants classified as Disjunct, Endemic, Limit of Range and Restricted are included within the Pennsylvania Rare classification.
Disjunct	Significantly separated from their main area of distribution
Endemic	Confined to a specialized habitat.
Limit of Range	At or near the periphery of their natural distribution
Restricted	Found in specialized habitats or habitats infrequent in Pennsylvania.
CP	<b>Candidate Proposed</b> - Species comprising taxa for which the Pennsylvania Biological Survey (PBS) currently has substantial information on hand to support the biological appropriateness of proposing to list as Endangered or Threatened.
CA	<b>Candidate at Risk</b> - Species that although relatively abundant now are particularly vulnerable to certain types of exploitation or environmental modification.
CR	<b>Candidate Rare</b> - Species which exist only in one of a few restricted geographic areas or habitats within Pennsylvania, or they occur in low numbers over a relatively broad area of the Commonwealth.
CU	<b>Condition Undetermined</b> - Species for which there is insufficient data available to provide an adequate basis for their assignment to other classes or categories.
PX	<b>Pennsylvania Extirpated</b> - Species that have disappeared from Pennsylvania since 1600 but still exist elsewhere.
DL	<b>Delisted</b> - Species which were once listed but are now cited for delisting.
N	No current legal status, but is under study for future listing.

## NatureServe State Rank Codes and Definitions

S1	<b>Critically Imperiled</b> - Critically imperiled in the nation or state because of extreme rarity (often 5 or fewer occurrences) or because of some factor(s) such as very steep declines making it especially vulnerable to extirpation from the state.
S2	<b>Imperiled</b> - Imperiled in the nation or state because of rarity due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors making it very vulnerable to extirpation from the nation or state.
S3	<b>Vulnerable</b> - Vulnerable in the nation or state due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors making it vulnerable to extirpation.

<b>S4</b>	<b>Apparently Secure</b> - Uncommon but not rare; some cause for long-term concern due to declines or other factors.
<b>S5</b>	<b>Secure</b> - Common, widespread, and abundant in the nation or state.
<b>S#S#</b>	<b>Range Rank</b> - A numeric range rank (e.g., S2S3 or S1S3) is used to indicate any range of uncertainty about the status of the species or ecosystem.
<b>SNR</b>	<b>Not Ranked</b> - State conservation status not yet assessed.
<b>SU</b>	<b>Unknown</b> - Currently unrankable due to lack of information or due to substantially conflicting information about status or trends.
<b>SX</b>	<b>Presumed Extinct</b> - Species or community is believed to be extirpated from the nation or state. Not located despite intensive searches of historical sites and other appropriate habitat, and virtually no likelihood that it will be rediscovered. <b>Possibly Extinct (Historical)</b> - Species or community occurred historically in the nation or state/province, and there is some possibility that it may be rediscovered. Its presence may not have been verified in the past 20-40 years. A species or community could become NH or SH without such a 20-40 year delay if the only known occurrences in a nation or state were destroyed or if it had been extensively and unsuccessfully looked for. The NH or SH rank is reserved for species or communities for which some effort has been made to relocate occurrences, rather than simply using this status for all elements not known from verified extant occurrences.
<b>SH</b>	
<b>SNA</b>	<b>Not Applicable</b> - A conservation status rank is not applicable because the species is not a suitable target for conservation activities.

### NatureServe Global Rank Codes and Definitions

<b>G1</b>	<b>Critically Imperiled</b> - At very high risk of extinction due to extreme rarity (often 5 or fewer populations), very steep declines, or other factors.
<b>G2</b>	<b>Imperiled</b> - At high risk of extinction due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors.
<b>G3</b>	<b>Vulnerable</b> - At moderate risk of extinction due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors.
<b>G4</b>	<b>Apparently Secure</b> - Uncommon but not rare; some cause for long-term concern due to declines or other factors.
<b>G5</b>	<b>Secure</b> - Common; widespread and abundant.
<b>G#G#</b>	<b>Range Rank</b> - A numeric range rank (e.g., G2G3, G1G3) is used to indicate the range of uncertainty about the exact status of a taxon or ecosystem type.
<b>GNR</b>	<b>Not Ranked</b> - Not ranked at the global level. Applies to natural communities that have been designated at the state level but not yet reviewed globally.
<b>GU</b>	<b>Unknown</b> - Possibly in peril range wide but status uncertain; need more information.
<b>GX</b>	<b>Presumed Extinct</b> - Believed to be extinct throughout its range. Not located despite intensive searches of historic sites and other appropriate habitat, and virtually no likelihood that it will be rediscovered.
<b>GH</b>	<b>Possibly Extinct</b> - Known from only historical occurrences. Still some hope of rediscovery.