

New York Natural Heritage Program Rare Plant Status List

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This list is also published at the website:

www.nynhp.org

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

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Photos by Steve Young.	

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New York Natural Heritage Program Rare Plant Status List

WHY IS THE LIST PUBLISHED?

The New York Natural Heritage Program publishes the rare plant status list:

1. to assist the conservation and protection efforts of government agencies, private organizations, and the general public,
2. to provide information for use in the environmental review process,
3. to provide information to educators and researchers about New York's rare plants, and
4. to assist those in search of rare plants.

WHAT DOES THE LIST CONTAIN?

The list contains the name, Heritage rank, counties of occurrence, and legal status for all plants that the NY Natural Heritage Program tracks. The **active inventory list** contains most plant taxa (species, subspecies and varieties) that have fewer than 30 occurrences in the state and are considered highly vulnerable to extirpation. They have been documented by a Heritage report and/or a herbarium specimen in the last 20 years (575 taxa). It also contains rare historical taxa, those plants that have not been documented in the last 20 years (63 taxa), and the extirpated taxa, those that are considered no longer extant in the state (63 taxa). The **watch list** contains taxa that are considered rare, uncommon, or declining in numbers and need continued periodic monitoring to decide if they should be actively inventoried or removed from the list (69 taxa). We have also included a **review list** that contains species that may be rare within New York, but more work is needed to determine their distribution within the state, resolve taxonomic/identification problems, etc. before their state rarity can be determined.

This list is not synonymous with the New York State DEC Protected Native Plants list (August 2000). The Heritage list contains all plants that are rare, while the DEC list contains native plants that are protected by state law. Almost all rare plants that are on the Heritage Active List are listed by the state. The DEC Protected Plant List is included in New York's rare plant law that is open to public comment and approval by the state legislature. The Protected Plant List also includes the category of Exploitably Vulnerable (plants that may be exploited, but not necessarily rare [*e.g.*, all orchids, most ferns]). **For your convenience the DEC Protected Plant List is included at the end of this publication.**

HOW IS THE INFORMATION COMPILED?

This list has been compiled over many years from a variety of sources. By consolidating these sources, NY Natural Heritage is able to enhance their usefulness and identify gaps in knowledge.

Information is gathered principally from fieldwork as well as from published and unpublished reports, herbarium specimens, and oral reports. When occurrences of rare plants are discovered in the field, quantity of individuals, quality, and location of the population are documented, and, if warranted, specimens and/or photographs are taken. These occurrences are then monitored, and changes in biology and land conservation status are recorded. Information gathered from all sources is mapped on a GIS (Geographical Information System or computerized mapping) and entered into a computer database that serves as a "communal memory" of rare plant, animal and natural community information from across the state. Electronic data are backed up with paper files; both are carefully protected from unauthorized access. Information that we gather and receive during the growing season is "transcribed" and entered into the database during the winter, thus information received in April of one year may not be available in the database until February or March of the following year.

HOW DOES THE LIST CHANGE?

Each winter, after entry of new information into the database is completed, the list is reevaluated by NY Natural Heritage staff, the State Botanist, and other botanists familiar with the state flora to decide if certain plant species should remain or be removed from the list, or if their rarity ranking should change. Recommendations for new plants to be added to the list are also evaluated.



WHY ARE PLANTS RARE?

Plants are rare for different reasons. Some species have narrow habitat requirements that are met in only a few areas of the state or world. Other factors that contribute to the rarity of species are low reproduction rates and disturbance or loss of habitat from human-induced activities such as: pollution, development, introduction of exotic plants and pests, and over-collection of useful or attractive plants. Natural biological, climatic, and geological events can reduce or isolate widespread species resulting in global or local rarity or even extinction. However, at present, natural processes play a relatively small role in species extinction when compared to human activity. Often these factors work in combination to limit species distribution. Plants that are considered rare only in New York State are usually, but not always, on the edge of their range. They are more common elsewhere but exist at only a few localities in New York.

WHY PROTECT RARE PLANTS?

When rare plants are protected, distinctive populations of species are preserved along with their genetic variation within their natural habitat. This "biodiversity" of organisms is an important component of healthy, functioning ecosystems upon which all life on earth is dependent. Since there is usually a lack of complete information about the complex interactions within specific ecosystems to decide which plants are "expendable", all species should be protected. Some believe that plants are not only essential to survival of the human race, but they also have an equal right to exist because they have survived and adapted for as long as or longer than humans. Plants are also indicators of the quality of the environment. Some plants decline in numbers, or disappear altogether, under the influence of increased air or water pollution. Rare plants are also valued and protected because they are unusual - something out of the ordinary that people enjoy taking a special effort to see and photograph.

State-rare plants, usually on the edge of their range, are subject to environmental conditions different from the center of their range. Therefore, they sometimes have genetic differences that allow them to cope with these conditions. Their populations are important reserves of genetic diversity of the species as a whole and should be protected. They may also be important components of ecosystems uncommon in the state or indicate important processes taking place in otherwise common natural communities. A rich natural heritage is one of New York's most valuable resources - one that is treasured by residents and visitors alike.

"In the end we will be defined not by what we create but by what we refuse to destroy."

John Sawhill, The Nature Conservancy



EXPLANATION OF CATEGORIES

This list is produced from the Heritage Program's Biotics 4 Database and includes the following categories:

SCIENTIFIC NAME – This is the genus and species name derived from Latin or Greek roots. Some plants also have a variety or subspecies name. These standardized scientific names are understood throughout the world. This list follows the taxonomy of the USDA PLANTS database (USDA, NRCS. 2004. The PLANTS Database, Version 3.5 [http://plants.usda.gov]. National Plant Data Center, Baton Rouge, LA 70874-4490 USA) and the Flora of North America treatments (Flora of North America Editorial Committee, eds. 1993+. Flora of North America North of Mexico. 7+ vols. New York and Oxford) when the taxonomy is more current.

COMMON NAME – This is the most commonly accepted English name for the plant, or the name most often used in New York.

COUNTIES OF OCCURRENCE - Each county is designated by the first four letters of its name. The county name is followed by a “C” (confirmed) if the plant is known with the county, a “P” (probable) if the plant was last documented by a specimen more than 20 years ago, or a “?” (possible) when it is possible that the plant occurs there because there have been unconfirmed reports of its existence (*i.e.*, oral report, plant list, literature citation). A county map is included at the end of this list. **Separate county lists are available upon request.**

GLOBAL AND STATE RANKS - These rarity ranks are maintained by NatureServe (www.NatureServe.org) and are used by Natural Heritage programs in every state. They are not linked to any legal penalties but provide information used for determining state and federal legal status of rare plants.

STATE AND FEDERAL STATUS - These status codes reflect rarity, vulnerability and the action priority status of plants. Their status is backed up by state and federal laws that provide penalties for the "taking" of plants.

EXPLANATION OF HERITAGE RANKS AND CODES

Each taxon has a global and state rank. The global rank reflects the rarity of the species throughout the world and the state rank reflects the rarity within New York State.

GLOBAL RANK

- G1 = Critically imperiled throughout its range due to extreme rarity (5 or fewer sites or very few remaining individuals) or extremely vulnerable to extinction due to biological factors.
- G2 = Imperiled throughout its range due to rarity (6 - 20 sites or few remaining individuals) or highly vulnerable to extinction due to biological factors.
- G3 = Either very rare and local throughout its range (21 - 100 sites), with a restricted range (but possibly locally abundant), or vulnerable to extinction due to biological factors.
- G4 = Apparently secure throughout its range (but possibly rare in parts).
- G5 = Demonstrably secure throughout its range (but possibly rare in parts).
- GH = No extant sites known but it may be rediscovered.
- GX = Species believed extinct.
- TU & T? = Status of the subspecies or variety unknown.

STATE RANK

- S1 = Critically imperiled in New York State because of extreme rarity (5 or fewer sites or very few remaining individuals) or extremely vulnerable to extirpation from New York State due to biological factors.
- S2 = Imperiled in New York State because of rarity (6 - 20 sites or few remaining individuals) or highly vulnerable to extirpation from New York State due to biological factors.
- S3 = Rare in New York State (usually 21 - 35 extant sites).
- S4 = Apparently secure in New York State.
- S5 = Demonstrably secure in New York State.
- SH = Historical. No existing sites known in New York State in the last 20 years but it may be rediscovered.
- SX = Apparently extirpated from New York State, very low probability of rediscovery.
- SR = Reported from the state, but existence has not been documented.
- SU = Status uncertain because of the cryptic nature of the plant.



TAXON RANK

The T-ranks are defined in the same way as the Global ranks, but the T-rank only refers to the rarity of the subspecific taxon, not the rarity of the species as a whole. **If a species has a subspecific name that is the same as the species name it means there is also another subspecies of that species which we do not consider rare in New York or it does not occur in New York.**

DOUBLE RANKS (*i.e.*, S1S2, S2S3, S1S3)

The first rank indicates rarity based upon current documentation. The second rank indicates the probable rarity after all historical records and likely habitat have been checked.

DOUBLE RANKS DENOTE SPECIES THAT NEED ADDITIONAL FIELD SURVEYS.

A "Q" indicates a question exists whether or not the taxon is a good taxonomic entity.

A "?" indicates that an identification question exists about known occurrences. It also indicates the rank presumably corresponds to actual occurrences even though the information has not yet been documented in heritage files or historical records. It serves to flag species that need more field studies or specimen identification.

EXPLANATION OF PLANT LEGAL STATUS

FEDERAL LEGAL STATUS

The categories of federal status are defined by the U.S. Department of the Interior as part of the 1974 Endangered Species Act (see Code of Federal Regulations 50 CFR 17). Recent changes in federal status were published in the Federal Register on Feb. 28, 1996. Federal Categories 2 and 3 were eliminated and Category 1 changed to Candidate. A summary of federally listed plants is in the U.S. Fish and Wildlife Service publication "Endangered and Threatened Wildlife and Plants" (August 20, 1994).

Currently in New York there are 4 endangered plants, 7 threatened plants and no candidate plant species.

<u>Scientific Name</u>	<u>Common Name</u>	<u>Fed. Status</u>	<u>State Status</u>
<i>Agalinis acuta</i>	Sandplain Gerardia	Endangered	S1
<i>Isotria medeoloides</i>	Small Whorled Pogonia	Endangered	SH
<i>Schwalbea americana</i>	Chaffseed	Endangered	SX
<i>Scirpus ancistrochaetus</i>	Northeastern Bulrush	Endangered	SX
<i>Aconitum noveboracense</i>	Monkshood	Threatened	S2
<i>Amaranthus pumilus</i>	Seabeach Amaranth	Threatened	S2
<i>Asplenium scolopendrium</i> var. <i>americanum</i>	Hart's-tongue Fern	Threatened	S2
<i>Helonias bullata</i>	Swamp Pink	Threatened	SX
<i>Oligoneuron houghtonii</i>	Houghton's Goldenrod	Threatened	S1
<i>Platanthera leucophaea</i>	Prairie Fringed Orchid	Threatened	SH
<i>Sedum integrifolium</i> ssp. <i>leedyi</i>	Leedy's Roseroot	Threatened	S1



NEW YORK STATE LEGAL STATUS

The following categories are defined in regulation 6NYCRR part 193.3 and apply to New York State Environmental Conservation Law section 9-1503. Part (f) of the law reads as follows: "It is a violation for any person, anywhere in the state to pick, pluck, sever, remove, damage by the application of herbicides or defoliant, or carry away, without the consent of the owner, any protected plant. Each protected plant so picked, plucked, severed, removed, damaged or carried away shall constitute a separate violation." Violators of the regulation are subject to fines of \$25 per plant illegally taken. For your convenience, the DEC Protected Plant List is included as an appendix within this publication. Questions about DEC's Protected Plant list should be directed to the Division of Lands and Forests at (518) 402-9425.

E = Endangered Species: listed species are those with

- 1) 5 or fewer extant sites, or
- 2) fewer than 1,000 individuals, or
- 3) restricted to fewer than 4 U.S.G.S. 7 1/2 minute topographical maps, or
- 4) species listed as endangered by the U. S. Department of Interior, as enumerated in the Code of Federal Regulations 50 CFR 17.11.

T = Threatened: listed species are those with

- 1) 6 to fewer than 20 extant sites, or
- 2) 1,000 to fewer than 3,000 individuals, or
- 3) restricted to not less than 4 or more than 7 U.S.G.S. 7 1/2 minute topographical maps, or
- 4) listed as threatened by the U. S. Department of the Interior, as enumerated in the Code of Federal Regulations 50 CFR 17.11.

R = Rare: listed species have

- 1) 20 to 35 extant sites, or
- 2) 3,000 to 5,000 individuals statewide.

V = Exploitably vulnerable: listed species are likely to become threatened in the near future throughout all or a significant portion of their range within the state if causal factors continue unchecked.

U = Unprotected

EXPLANATION OF PHENOLOGY LIST

The phenology list shows the months of the year when the flowers (F), fruits (R) or vegetative parts (V) of each rare species can be seen. This information has been gathered from herbarium specimens, Heritage field data, Gray's Manual of Botany, and individual expertise. The months in which the plant can be seen may differ from year to year depending on the weather and there is often some overlap between flowering and fruiting times. Some species may not be visible for years at a time if they grow in a habitat where conditions conducive to germination or growth occur only sporadically (*e.g.*, Coastal Plain Pond Shores). An attempt was made to include information that would assist searching for these species at a time when the plant could be identified properly. For some species there is very little information about phenology in New York State and assumptions were made from Gray's Manual of Botany. We would appreciate any information that would update this list and increase its accuracy.



ACKNOWLEDGEMENTS

The New York Natural Heritage Program gratefully acknowledges the efforts of all the field biologists and plant enthusiasts who have contributed to the database over the last 18 years. For our historical perspective, we are indebted to the curators and staff of more than 20 regional herbaria, especially Dr. Richard Mitchell and Dr. Charles Sheviak of the botany department of the New York State Museum, Dr. Steven Clemants of the Brooklyn Botanic Garden, Robert Dirig of Cornell University, and Jackie Kallunki of the New York Botanical Garden, who have provided access to specimens, invaluable assistance, and knowledge of rare plant natural history. Additional thanks to NY Natural Heritage staff Rachel Novak, Betty Ketcham, Tim Howard, and Charlene Houle, and NatureServe staff Leah Oliver and Kat Maybury who spent many hours updating our new database and report-making software used to create this list.

Thanks also to the participants in the annual status review for their valuable and timely comments on rare plant status and natural history. The April 2004 participants were Jason Denham, Francis Groeters, Joe McMullen, Charlie Smith, Troy Weldy, David Werier, Bob Wesley, and Steve Young with written contributions from Steve Clemants, Chuck Sheviak, and Anne Johnson. We would like to extend our many thanks to the various taxonomic experts who have graciously shared their time and expertise. These include Harvey Ballard (Violaceae), Bernd Blosssey (*Phragmites*), Steve Clemants (Chenopodiaceae and Juncaceae), Melissa Dow Cullina (*Bidens*), Barre Helquist (Potamogetonaceae and other aquatics), John Kartesz (general taxonomy), Eric Lamont (Asteraceae), Gerry Moore (Rosaceae), Jay Raveill (Fabaceae), Tony Reznicek (*Carex*), Chuck Sheviak (Orchidaceae), Galen Smith (*Scirpus*), David Snyder (*Pycnanthemum*), and David Werier (*Carex*).

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Changes To The May 2003 Rare Plant Status List

Below is a summary of the changes made to the rare plant list since the publication of May 2003.

I. Taxa removed from the active list.

	<u>Reason</u>
<i>Carex laxiflora</i> var. <i>serrulata</i>	A variety put in synonymy with the common species.
<i>Paspalum setaceum</i> var. <i>psammophilum</i>	A variety put in synonymy with the common species.
<i>Paspalum setaceum</i> var. <i>setaceum</i>	A variety put in synonymy with the common species.
<i>Polygonum hydropiperoides</i> var. <i>opelousanum</i>	A variety put in synonymy with the common species.

II. Taxa removed from the active list and placed on the watch list because survey work has shown they are more common than previously thought.

	<u>Old Rank</u>	<u>New Rank</u>
<i>Carex willdenowii</i>	S2S3	S3
<i>Ranunculus micranthus</i>	S2S3	S3
<i>Utricularia minor</i>	S2S3	S3

III. Taxa moved to the active list from the watch list.

	<u>Old Rank</u>	<u>New Rank</u>
<i>Scleria muehlenbergii</i>	S3	S1 due to taxonomic change.

IV. Taxa moved to the watch list from the review list.

	<u>Global rank</u>	<u>State rank</u>
<i>Phragmites</i> sp. 1 (native strain)	G4	S3

V. Taxa removed from the review list.

	<u>Reason</u>
<i>Eupatorium album</i> var. <i>album</i>	Determined not to be in New York.
<i>Schizachyrium scoparium</i> var. <i>littorale</i>	Not rare on Long Island.
<i>Agrostis altissima</i>	Put in synonymy with <i>Agrostis perennans</i> .

VI. Taxa added to the review list.

Athyrium felix-femina ssp. *asplenioides* – Southern Lady Fern - We would like to know if this is rare in the Lower Hudson area and Long Island.

Carex careyana – Sedge – Not many occurrences have been seen lately. More herbarium and fieldwork are needed in Central New York to determine if it is rare.

VII. Taxa whose state ranks have changed but are still on the active list.

	<u>Old rank</u>	<u>New rank</u>
<i>Arabis drummondii</i>	S1	S2
<i>Aristolochia serpentaria</i>	S1	S1S2
<i>Botrychium oneidense</i>	S1S3	S2S3
<i>Carex glaucoidea</i>	S1	S2S3
<i>Carex nigromarginata</i>	S1	S1S2
<i>Carex retroflexa</i>	S1S2	S2S3
<i>Crataegus uniflora</i>	SH	S1
<i>Cyperus schweinitzii</i>	S3	S2S3
<i>Eleocharis ovata</i>	S1S2	S1
<i>Erechtites hieracifolia</i> var. <i>megalocarpa</i>	S1	S2
<i>Eupatorium serotinum</i>	S1	S2
<i>Hydrangea arborescens</i>	S1	S2
<i>Stachys hyssopifolia</i>	S1S2	S2
<i>Triphora trianthophora</i>	S1S2	S2



VIII. Taxa still on the rare plant list but with scientific name changes. Note: many name changes have taken place in the Aster family, especially in the genus Aster.

Old name	New name
<i>Acalypha virginica</i> var. <i>virginica</i>	<i>Acalypha virginica</i>
<i>Anemone multifida</i>	<i>Anemone multifida</i> var. <i>hudsoniana</i>
<i>Anthoxanthum monticolum</i> ssp. <i>orthanthum</i>	<i>Hierochloa alpina</i> ssp. <i>orthantha</i>
<i>Artemisia campestris</i> var. <i>borealis</i>	<i>Artemisia campestris</i> ssp. <i>borealis</i>
<i>Aster borealis</i>	<i>Symphyotrichum boreale</i>
<i>Aster ciliolatus</i>	<i>Symphyotrichum ciliolatum</i>
<i>Aster concolor</i>	<i>Symphyotrichum concolor</i>
<i>Aster laevis</i> var. <i>concinus</i>	<i>Symphyotrichum laeve</i> var. <i>concinnum</i>
<i>Aster lanceolatus</i> var. <i>interior</i>	<i>Symphyotrichum lanceolatum</i> var. <i>interior</i>
<i>Aster longifolius</i>	<i>Symphyotrichum novi-belgii</i> var. <i>villicaule</i>
<i>Aster nemoralis</i>	<i>Oclemena nemoralis</i>
<i>Aster ontarionis</i>	<i>Symphyotrichum ontarionis</i>
<i>Aster oolentangiensis</i>	<i>Symphyotrichum oolentangiense</i>
<i>Aster radula</i>	<i>Eurybia radula</i>
<i>Aster solidagineus</i>	<i>Sericocarpus linifolius</i>
<i>Aster spectabilis</i>	<i>Eurybia spectabilis</i>
<i>Aster subulatus</i>	<i>Symphyotrichum subulatum</i>
<i>Aster tenuifolius</i>	<i>Symphyotrichum tenuifolium</i>
<i>Atriplex subspicata</i>	<i>Atriplex dioica</i>
<i>Bulboschoenus maritimus</i>	<i>Bolboschoenus maritimus</i> ssp. <i>paludosus</i>
<i>Bulboschoenus novae-angliae</i>	<i>Bolboschoenus novae-angliae</i>
<i>Calamintha arkansana</i>	<i>Clinopodium arkansanum</i>
<i>Calypso bulbosa</i>	<i>Calypso bulbosa</i> var. <i>americana</i>
<i>Campanula americana</i>	<i>Campanulastrum americanum</i>
<i>Carex amphibola</i> var. <i>amphibola</i>	<i>Carex amphibola</i>
<i>Carex livida</i> var. <i>radicalis</i>	<i>Carex livida</i>
<i>Carex venusta</i> var. <i>minor</i>	<i>Carex venusta</i>
<i>Deschampsia atropurpurea</i>	<i>Vahlodea atropurpurea</i>
<i>Diplachne maritima</i>	<i>Leptochloa fusca</i> ssp. <i>fascicularis</i>
<i>Echinodorus parvulus</i>	<i>Echinodorus tenellus</i>
<i>Eleocharis obtusa</i> var. <i>ovata</i>	<i>Eleocharis ovata</i>
<i>Eriophorum angustifolium</i> ssp. <i>scabriusculum</i>	<i>Eriophorum angustifolium</i>
<i>Eupatorium aromaticum</i>	<i>Ageratina aromatica</i> var. <i>aromatica</i>
<i>Gaylussacia dumosa</i> var. <i>bigeloviana</i>	<i>Gaylussacia dumosa</i>
<i>Gentianopsis procera</i>	<i>Gentianopsis virgata</i>
<i>Gnaphalium helleri</i> var. <i>micradenium</i>	<i>Pseudognaphalium helleri</i> ssp. <i>micradenium</i>
<i>Gnaphalium purpureum</i>	<i>Gamochaeta purpurea</i>
<i>Gnaphalium sylvaticum</i>	<i>Omalotheca sylvatica</i>
<i>Hedeoma hispidum</i>	<i>Hedeoma hispida</i>
<i>Juncus marginatus</i> var. <i>biflorus</i>	<i>Juncus biflorus</i>
<i>Juncus stygius</i> var. <i>americanus</i>	<i>Juncus stygius</i> ssp. <i>americanus</i>
<i>Kosteletzkya virginica</i> var. <i>aquilonia</i>	<i>Kosteletzkya virginica</i>
<i>Oryzopsis canadensis</i>	<i>Piptatherum canadense</i>



Old name

Panicum boreale
Panicum leibergii
Panicum scabriusculum
Panicum scoparium
Panicum stipitatum
Panicum villosissimum
Panicum wrightianum
Plantago maritima ssp. *juncooides*
Poa fernaldiana
Poa interior
Polygonum setaceum var. *interjectum*
Polymnia uvedalia
Rorippa aquatica
Rumex maritimus var. *fueginus*
Rumex maritimus var. *persicarioides*
Saxifraga paniculata
Scleria muehlenbergii (in part)
Silene caroliniana
Solidago elliotii
Solidago houghtonii
Solidago ohioense
Solidago ptarmicoides
Solidago rigida
Sphenopholis obtusata var. *obtusata*
Subularia aquatica ssp. *americana*
Tofieldia glutinosa
Trichostema brachiatum
Triglochin palustris
Uvularia puberula var. *nitida*
Vaccinium cespitosum
Viola rafinesquii

New name

Dichanthelium boreale
Dichanthelium leibergii
Dichanthelium scabriusculum
Dichanthelium oligosanthes var. *scribnerianum*
Panicum rigidulum var. *elongatum*
Dichanthelium villosissimum var. *villosissimum*
Dichanthelium wrightianum
Plantago maritima var. *juncooides*
Poa laxa ssp. *fernalidiana*
Poa nemoralis ssp. *interior*
Polygonum setaceum
Smallanthus uvedalius
Neobeckia aquatica
Rumex maritimus
Rumex maritimus
Saxifraga paniculata ssp. *neogaea*
Scleria reticularis
Silene caroliniana ssp. *pensylvanica*
Solidago latissimifolia
Oligoneuron houghtonii
Oligoneuron ohioense
Oligoneuron album
Oligoneuron rigidum var. *rigidum*
Sphenopholis obtusata
Subularia aquatica var. *americana*
Triantha glutinosa
Isanthus brachiatus
Triglochin palustre
Uvularia puberula
Vaccinium caespitosum
Viola bicolor



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<i>Acalypha virginica</i>	Virginia Three-seeded Mercury	BRON-P COLU-P NASS-P ONON-P ROCK-C SUFF-P WEST-P	G5	S1	E
<i>Aconitum noveboracense</i>	Northern Monk's-hood	CHEN-P DELA-C SULL-C ULST-C	G3	S2	T
<i>Adoxa moschatellina</i>	Musk Root	DELA-C GREE-C	G5	S1	E
<i>Agalinis acuta</i>	Sandplain Gerardia	NASS-C SUFF-C	G1	S1	E
<i>Agalinis maritima</i> var. <i>maritima</i>	Seaside Gerardia	BRON-X NASS-P NEWY-X ONON-? QUEE-P RICH-X SUFF-C WEST-X	G5T5	S2S3	U
<i>Agastache nepetoides</i>	Yellow Giant-hyssop	ALBA-C BRON-C CAYU-C DUTC-C ERIE-P ESSE-? GENE-C HERK-? JEFF-P KING-? MONR-? NASS-P NEWY-P NIAG-C ONEL-? ONON-P QUEE-C RENS-? RICH-C SCHE-? SCHU-? STLA-P SUFF-? TOMP-P ULST-P WASH-C WAYN-P WEST-?	G5	S2S3	T
<i>Ageratina aromatica</i> var. <i>aromatica</i>	Small White Snakeroot	KING-? NASS-P QUEE-P RICH-P SUFF-C WEST-?	G5T5	S1	E
<i>Agrimonia rostellata</i>	Woodland Agrimony	ALBA-P BRON-P CAYU-C DUTC-P FULT-P GENE-C LIVI-C NASS-P ONON-P ORAN-C PUTN-P QUEE-C ROCK-P SCHE-P SUFF-P ULST-P WEST-P	G5	S2	T
<i>Agrostis mertensii</i>	Northern Bentgrass	ESSE-C	G5	S2	T
<i>Aletris farinosa</i>	Stargrass	KING-X NASS-C ONON-P QUEE-X RICH-P SUFF-C	G5	S2	T
<i>Alisma gramineum</i>	Water-plantain	ESSE-C JEFF-P ORLE-P STLA-C WAYN-P	G5	S2S3	U
<i>Allium burdickii</i>	Wild Leek	CHAU-P	G4G5	SH	E
<i>Allium cernuum</i> var. <i>cernuum</i>	Nodding Wild Onion	CAYU-C CHEM-C ERIE-P SCHU-C STEU-P TIOG-P WYOM-?	G5T5	S2	T
<i>Amaranthus pumilus</i>	Seabeach Amaranth	KING-X NASS-C ONON-X QUEE-C SUFF-C WEST-X	G2	S2	E
<i>Amelanchier nantucketensis</i>	Nantucket Juneberry	RICH-C SUFF-C	G3Q	S1	E
<i>Amerorchis rotundifolia</i>	Round-leaved Orchis	HERK-X LEWI-X ONEL-?	G5	SX	U
<i>Amianthium muscaetoxicum</i>	Fly-poison	NASS-X QUEE-X	G4G5	SX	U



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<i>Ammophila champlainensis</i>	Champlain Beachgrass	CLIN-C JEFF-C OSWE-?	G1Q	S1	E
<i>Amphicarpum purshii</i>	Peanut Grass	SUFF-C	G4	S1	E
<i>Anemone multifida</i> var. <i>hudsoniana</i>	Cut-leaf Anemone	JEFF-X	G5T5	SX	U
<i>Angelica lucida</i>	Seacoast Angelica	SUFF-C	G5	S1	E
<i>Aplectrum hyemale</i>	Puttyroot	ALBA-P BRON-P BROO-? CAYU-? CHAU-? CORT-? ERIE-P ESSE-P GENE-P JEFF-P LEWI-? LIVI-P MADI-P MONR-P NIAG-P ONEI-P ONON-P ONTA-P ORAN-P ORLE-P OSWE-P SARA-? SENE-P TOMP-P ULST-P WASH-C WAYN-? WEST-? YATE-P	G5	S1	E
<i>Arabis divaricarpa</i>	Purple Rock-cress	ALBA-C CLIN-C ESSE-C GREE-C JEFF-C OSWE-P RENS-C STLA-P WARR-P	G5	S2	R
<i>Arabis drummondii</i>	Drummond's Rock Cress	CLIN-P DUTC-P GREE-C JEFF-C NIAG-P ONON-P ORAN-C SARA-P STLA-C TOMP-P WARR-P WASH-P	G5	S2	E
<i>Arabis missouriensis</i>	Green Rock-cress	ALBA-C ESSE-C ORAN-C RENS-P SARA-C SUFF-P ULST-C WARR-C WASH-C	G5?Q	S2	T
<i>Arabis shortii</i>	Toothed Rock-cress	CHEM-P ONEI-P TIOG-P	G5	SH	E
<i>Arethusa bulbosa</i>	Dragon's Mouth	CATT-? CAYU-P CHAU-? COLU-P CORT-P DELA-? DUTC-C ERIE-P ESSE-C FRAN-C GENE-C HAMI-? JEFF-C KING-? LEWI-C MADI-P NASS-P ONEI-P ONON-P ORAN-P OSWE-C RENS-P SARA-P SCHE-X STEU-? SUFF-C TOMP-P ULST-P WARR-C WASH-P WAYN-P WEST-P	G4	S2	T
<i>Aristolochia serpentaria</i>	Virginia Snakeroot	BRON-P KING-? NASS-P NEWY-P ORAN-C PUTN-P QUEE-X RICH-P ROCK-C SCHE-X ULST-P WEST-P	G4	S2	E
<i>Arnica lanceolata</i>	Arnica	ESSE-C	G3	S1	E
<i>Arnoglossum atriplicifolium</i>	Pale Indian-plantain	CATT-P CHAU-? CHEM-? LIVI-? MONR-? ONEI-P TIOG-P WYOM-? YATE-?	G4G5	SH	U



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<i>Artemisia campestris</i> ssp. <i>borealis</i>	Wild Sage	ERIE-P	G5T5?	SH	E
<i>Asclepias purpurascens</i>	Purple Milkweed	BRON-C CAYU-? DUTC-P GREE-? MONR-? NASS-C NEWY-? ORAN-? QUEE-P RICH-C ROCK-? SCHE-? SUFF-C WAYN-? WEST-C	G5?	S2S3	U
<i>Asclepias rubra</i>	Red Milkweed	NASS-X QUEE-X RICH-X SUFF-X WASH-X	G4G5	SX	U
<i>Asclepias variegata</i>	White Milkweed	BRON-C DUTC-? KING-X NASS-P NEWY-P QUEE-X RICH-P SUFF-C WEST-P	G5	S1	E
<i>Asclepias viridiflora</i>	Green Milkweed	COLU-P DUTC-C KING-? NASS-C QUEE-? RICH-C ROCK-C SUFF-? ULST-? WEST-?	G5	S2	T
<i>Asimina triloba</i>	Pawpaw	CHAU-C ERIE-C LIVI-C MONR-C NIAG-C ONTA-P ORLE-C OSWE-?	G5	S2	T
<i>Asplenium bradleyi</i>	Bradley's Spleenwort	ORAN-P ULST-P	G4	SH	E
<i>Asplenium montanum</i>	Mountain Spleenwort	COLU-P DUTC-P RENS-P SULL-C ULST-C	G5	S2S3	T
<i>Asplenium scolopendrium</i> var. <i>americanum</i>	Hart's-tongue Fern	MADI-C NIAG-? ONON-C	G4T3	S2	T
<i>Asplenium trichomanes-ramosum</i>	Green Spleenwort	LEWI-C	G4	S1	E
<i>Astragalus neglectus</i>	Cooper's Milkvetch	CAYU-C ERIE-P LIVI-C MONR-P NIAG-P ONON-X ONTA-P SENE-P TOMP-P YATE-P	G4	S1	E
<i>Atriplex dioica</i>	Orache	BRON-P KING-? NASS-? ONTA-C ORAN-C QUEE-? RICH-? SUFF-P	G5	S1	E
<i>Atriplex glabriuscula</i>	Seaside Orach	SUFF-C	G4	S1	E
<i>Bartonia paniculata</i>	Screw-stem	KING-P NASS-X ORAN-C QUEE-X RICH-P SUFF-C	G5	S1	E
<i>Berula erecta</i>	Wild Parsnip	ERIE-? SUFF-X	G4G5	SX	U
<i>Betula glandulosa</i>	Tundra Dwarf Birch	ESSE-C	G5	S1	E
<i>Betula minor</i>	Dwarf White Birch	ESSE-C STLA-?	G3G4Q	S1	E



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Betula pumila	Swamp Birch	COLU-C CORT-? DUTC-C ERIE-? ESSE-C FRAN-C GENE-P LEWI-C MONR-? NIAG-P ORLE-P STLA-C	G5	S2	T
Bidens bidentoides	Estuary Beggar-ticks	ALBA-C COLU-C DUTC-C GREE-C ORAN-? PUTN-? RENS-P ROCK-? ULST-C WEST-?	G3	S3	R
Bidens hyperborea var. hyperborea	Estuary Beggar-ticks	ALBA-? COLU-C DUTC-C GREE-C ORAN-? RENS-? SUFF-C ULST-?	G4T2T4	S1	E
Bidens laevis	Smooth Bur-marigold	CAYU-P CHEM-? CHEN-? COLU-C CORT-? DUTC-C ERIE-? GENE-C GREE-C JEFF-? MONR-? NASS-P NIAG-? ONEI-? ONON-X ONTA-? ORAN-C ORLE-C PUTN-C RENS-? RICH-? ROCK-? SCHE-P SUFF-? TOMP-? ULST-C WASH-? WAYN-? WEST-?	G5	S2	T
Blephilia ciliata	Downy Wood-mint	ALBA-C BROO-P ESSE-C GREE-C LIVI-P MONT-? ONTA-P RENS-P WARR-P WASH-P WEST-P	G5	S1	E
Bolboschoenus maritimus ssp. paludosus	Seaside Bulrush	BRON-P CAYU-C ERIE-P NASS-C ONON-P QUEE-P RICH-P SENE-P SUFF-C WAYN-C WEST-?	G5	S2	E
Bolboschoenus novae-angliae	Saltmarsh Bulrush	BRON-P NEWY-P ORAN-C QUEE-X ROCK-C SUFF-C WEST-P	G5	S1	E
Botrychium campestre	Prairie Dunewort	ONON-P	G3G4	SH	E
Botrychium lunaria	Moonwort	ONON-C	G5	S1	E
Botrychium minganense	Mingan Moonwort	ONEI-? ONON-C	G4	S1	E
Botrychium oneidense	Blunt-lobe Grape Fern	ALBA-C ALLE-C BRON-C CATT-C CAYU-P CHAU-P CHEM-P CHEN-P CORT-P DELA-P ERIE-P ESSE-P GENE-P GREE-P HERK-P LEWI-P LIVI-P MADI-P MONR-P NASS-P ONEI-P ONON-P ORAN-P ORLE-P PUTN-C ROCK-P SARA-P SCHO-P STLA-P SUFF-C SULL-P TIOG-P TOMP-P ULST-P WARR-P WASH-C WEST-P WYOM-P	G4Q	S2S3	E



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<i>Botrychium rugulosum</i>	Rugulose Grape Fern	ESSE-P GREE-P HAMI-C HERK-P MADL-P ONON-P STLA-C	G3	S1	E
<i>Bouteloua curtipendula</i> var. <i>curtipendula</i>	Side-oats Grama	ALBA-C COLU-P DUTC-C JEFF-C MONR-? ONTA-P ORAN-P QUEE-P RENS-C SCHE-C SUFF-P WEST-?	G5T5	S1	E
<i>Buchnera americana</i>	Blue-hearts	BROO-? CHEN-? ERIE-P MADL-? MONR-P ONTA-P YATE-P	G5?	SH	E
<i>Calamagrostis perplexa</i>	Wood Reedgrass	TOMP-C	G1Q	S1	E
<i>Calamagrostis porteri</i> ssp. <i>porteri</i>	Porter's Reedgrass	BROO-P CHEM-C STEU-P TIOG-P	G4T4	S1S2	U
<i>Calamagrostis stricta</i>	Northern Reedgrass	ALBA-P CHEM-P CLIN-C COLU-P DUTC-P ESSE-C FRAN-P HAMI-C HERK-C MONR-P SENE-C STLA-C WASH-P WAYN-P YATE-P	G5	S2	T
<i>Callitriche hermaphroditica</i>	Autumnal Water-starwort	BRON-P CLIN-P JEFF-P STLA-P SUFF-P	G5	SH	E
<i>Callitriche terrestris</i>	Terrestrial Starwort	COLU-C ESSE-P HERK-? NASS-? ONEI-P ONON-P ORAN-C RICH-P ROCK-C SUFF-C	G5	S2S3	T
<i>Calypso bulbosa</i> var. <i>americana</i>	Calypso	CLIN-P GENE-P HERK-P JEFF-? LEWI-P ONEI-P ONON-P OSWE-P SCHE-X STLA-P	G5T5	SH	E
<i>Campanulastrum americanum</i>	Tall Bellflower	CATT-P CHEM-P CHEN-? COLU-? DUTC-? ERIE-P GENE-? NIAG-P ONON-? ORAN-C QUEE-? RENS-? SENE-P SUFF-P TIOG-? TOMP-? YATE-?	G5	S1	U
<i>Cardamine longii</i>	Long's Bittercress	COLU-C GREE-C ORAN-C PUTN-C ROCK-C SUFF-C	G3	S2	T
<i>Cardamine rotundifolia</i>	Mountain Watercress	CATT-C ERIE-P ONTA-P	G4	S1	E
<i>Carex abscondita</i>	Thicket Sedge	BRON-P COLU-C NASS-P NEWY-P ORAN-C QUEE-C RICH-C ROCK-C STEU-C SUFF-P WEST-P	G4G5	S2	T
<i>Carex aggregata</i>	Glomerate Sedge	JEFF-P ONEI-P ONON-P ROCK-P	G5	SH	E
<i>Carex amphibola</i>	Narrow-leaved Sedge	ALBA-C BRON-P CATT-P CAYU-P COLU-P DUTC-C NASS-P ONEI-P QUEE-P TIOG-? TOMP-P ULST-P	G4	S1	E



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<i>Carex arcta</i>	Northern Clustered Sedge	CATT-P CORT-P ESSE-P FRAN-P HERK-C STLA-? TOMP-P WEST-P	G5	S1	E
<i>Carex atherodes</i>	Awned Sedge	CHAU-P COLU-P JEFF-C MONR-? ONEI-P STLA-C	G5	S1	E
<i>Carex atratiformis</i>	Black Sedge	ESSE-C	G5	S1	E
<i>Carex backii</i>	Rocky Mountain Sedge	ALBA-C CLIN-C DUTC-C ESSE-C HAMI-P JEFF-C SARA-? SCHO-P STLA-C WARR-P WASH-C	G4	S2	T
<i>Carex barrattii</i>	Barratt's Sedge	NASS-C QUEE-X SUFF-C YATE-P	G4	S1	E
<i>Carex bigelowii</i>	Bigelow's Sedge	ESSE-C ONEI-?	G5	S2	T
<i>Carex bullata</i>	Button Sedge	MONR-P NASS-C ONEI-P ONTA-P QUEE-X RICH-P ROCK-P SUFF-C	G5	S1	E
<i>Carex buxbaumii</i>	Brown Bog Sedge	ALBA-P COLU-P DUTC-P ESSE-P GENE-P HERK-P KING-P LEWL-P LIVI-C MONR-C NASS-P ONEI-P ONON-C QUEE-X RENS-P SCHE-C SENE-C STEU-P STLA-C SUFF-C TOMP-? WARR-C YATE-P	G5	S2	T
<i>Carex capillaris</i>	Hair-like Sedge	CAYU-P CORT-X HAMI-C ONON-P	G5	S1	E
<i>Carex caroliniana</i>	Carolina Sedge	CATT-P NASS-? QUEE-X	G5	SH	E
<i>Carex chordorrhiza</i>	Creeping Sedge	CATT-C HERK-P JEFF-P ONEI-P ONON-X OSWE-C SARA-P SENE-P STLA-P WARR-C WAYN-P WYOM-C YATE-P	G5	S2	T
<i>Carex collinsii</i>	Collins' Sedge	NASS-P RICH-? SUFF-C	G4	S1S2	E
<i>Carex conjuncta</i>	Soft Fox Sedge	CHEM-P HERK-P ONEI-P RENS-P SARA-? WEST-P	G4G5	SH	E
<i>Carex crawei</i>	Crawe's Sedge	CLIN-C ERIE-P GENE-P HERK-P JEFF-C MONR-P ONEI-? STLA-P WARR-C	G5	S1S2	T
<i>Carex cumulata</i>	Clustered Sedge	ALBA-P CLIN-C DUTC-P ESSE-P FULT-P ONEI-P ORAN-C PUTN-C ROCK-C SUFF-P SULL-? ULST-C WARR-P WASH-P	G4?	S2S3	T



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Carex davisii	Davis' Sedge	ALBA-C COLU-P DUTC-C ERIE-P GREE-C LIVI-P MONR-P ONEI-P ORAN-C QUEE-P RENS-C SARA-? SCHE-X ULST-C WEST-P	G4	S2	T
Carex decomposita	Cypress-knee Sedge	LIVI-P MONR-P ONEI-P SENE-P YATE-P	G3	SH	E
Carex emoryi	Emory's Sedge	CATT-C CLIN-C LIVI-C SULL-P	G5	S1	E
Carex formosa	Handsome Sedge	CAYU-P CLIN-C COLU-C DUTC-P ESSE-C GENE-C LIVI-C MONR-P ONEI-P ONTA-P OTSE-P RENS-P SCHE-P WASH-C YATE-P	G4	S2S3	T
Carex frankii	Frank's Sedge	MADI-P ONEI-P TOMP-? ULST-C WAYN-C	G5	S1	E
Carex garberi	Elk Sedge	CAYU-P CLIN-P ERIE-P JEFF-P NIAG-C TOMP-P WARR-P WAYN-P	G5	S1	E
Carex glaucoidea	Glaucous Sedge	ALBA-P BRON-P DUTC-P GREE-P ONON-X ORAN-C RENS-P RICH-P ROCK-P SCHE-X TOMP-C ULST-C	G5	S2S3	E
Carex gynocrates	Northern Bog Sedge	GENE-C HERK-P LEWI-P MONR-P ONON-C ONTA-P OSWE-P SENE-P WAYN-P YATE-?	G5	S1	E
Carex haydenii	Cloud Sedge	ALBA-P CATT-P CAYU-P CHEN-P CLIN-C ERIE-P ESSE-P FRAN-C HAMI-P HERK-P JEFF-P LEWI-P MADI-P NIAG-? ONON-? ORAN-C STEU-P	G5	S1	E
Carex hormathodes	Marsh Straw Sedge	BRON-P KING-X NASS-P ORAN-C QUEE-X RICH-P ROCK-C SUFF-C YATE-P	G4G5	S2S3	T
Carex houghtoniana	Houghton's Sedge	CLIN-C ESSE-C FRAN-P FULT-P HAMI-P JEFF-C MONR-? ONEI-? OSWE-C SARA-P WARR-P	G5	S2	T
Carex jamesii	James' Sedge	GENE-C JEFF-P LIVI-C MONR-C ONTA-P TOMP-C WAYN-P	G5	S2	T
Carex livida	Livid Sedge	ESSE-C HERK-C JEFF-C MADI-P MONR-P ONEI-P OSWE-C	G5	S1	E



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Carex lupuliformis	False Hop Sedge	ALBA-P BRON-P CAYU-P CLIN-C	G4	S2	R
		ERIE-C ESSE-C FULT-P GENE-P			
		GREE-C JEFF-? LEWI-C MONR-C			
		ONEI-? ONTA-C ORAN-C PUTN-?			
		ROCK-P SENE-P STEU-C SUFF-P			
		TOMP-P ULST-C WASH-C WAYN-P			
		WEST-P YATE-P			
Carex meadii	Mead's Sedge	ERIE-P HERK-P ORAN-? QUEE-X	G4G5	SH	E
		YATE-P			
Carex merritt-fernaldii	Fernald's Sedge	CLIN-P DUTC-P ESSE-C GREE-P	G5	S2S3	T
		JEFF-C RENS-P SARA-P SUFF-C			
		ULST-P WARR-C WASH-C WYOM-P			
Carex mesochorea	Midland Sedge	NASS-C ONON-C ORAN-C RENS-C	G4G5	S2	E
		ROCK-C SUFF-C			
Carex mitchelliana	Mitchell's Sedge	NASS-C ONEI-? QUEE-P SUFF-C	G3G4	S2	T
		WEST-P			
Carex molesta	Troublesome Sedge	ALBA-P BRON-P CAYU-P CHEM-?	G4	S2	T
		COLU-P GENE-P HAMI-P JEFF-C			
		LIVL-? MONR-P MONT-P NIAG-P			
		ONEI-P ONON-C ROCK-P SCHE-P			
		TIOG-? TOMP-P ULST-P WASH-?			
		WEST-? YATE-C			
Carex nigra	Black Sedge	DUTC-P MONR-? ONEI-? RENS-?	G5	SH	E
		WAYN-?			
Carex nigromarginata	Black-edge Sedge	MONR-P NASS-P ORAN-C SUFF-P	G5	S1S2	E
		WEST-P			
Carex polymorpha	Variable Sedge	NASS-X QUEE-X SUFF-X	G3	SX	U
Carex retroflexa	Reflexed Sedge	ALBA-P BRON-P CAYU-P CHEM-P	G5	S2S3	E
		CLIN-P COLU-P DUTC-P ERIE-P			
		GREE-P HAMI-P MONR-P NASS-P			
		NEWY-P NIAG-P ONON-C ONTA-P			
		ORAN-C QUEE-P RENS-? RICH-P			
		ROCK-C SARA-P SCHE-? SCHO-P			
		SUFF-P TOMP-P ULST-P WARR-P			
		WASH-P WEST-P YATE-P			
Carex richardsonii	Richardson Sedge	MONR-X	G4	SX	U



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<i>Carex sartwellii</i> var. <i>sartwellii</i>	Sartwell's Sedge	CAYU-P ERIE-P MADI-P MONR-C ONON-P SENE-C STLA-C WAYN-P YATE-P	G4G5T4T5	S1S2	T
<i>Carex schweinitzii</i>	Schweinitz' Sedge	ALLE-C BRON-P CATT-C CAYU-P CLIN-P COLU-P CORT-C DUTC-P ERIE-C HERK-P MADI-C MONR-P NEWY-X ONEI-C ONON-P OSWE-P RENS-P SCHO-P TIOG-P TOMP-C WAYN-P WYOM-C	G3	S2S3	T
<i>Carex scirpoidea</i>	Canadian Single-spike Sedge	ESSE-C WASH-C	G5	S1	E
<i>Carex shortiana</i>	Short's Sedge	ONON-C SUFF-P WAYN-C	G5	S1	E
<i>Carex straminea</i>	Straw Sedge	BRON-P CAYU-P DUTC-P GREE-P LIVL-C NASS-P ONTA-P ORAN-C OSWE-P QUEE-P RENS-P RICH-P ROCK-P SCHE-P SUFF-P ULST-P WASH-P WAYN-P WEST-P YATE-P	G5	S1	E
<i>Carex striatula</i>	Lined Sedge	KING-X ORAN-C RICH-P SUFF-P	G4G5	S1	E
<i>Carex styloflexa</i>	Bent Sedge	BRON-P MADI-P NASS-P ORAN-? QUEE-X RENS-C RICH-P SUFF-C TIOG-? WEST-P	G4G5	S1	E
<i>Carex sychnocephala</i>	Many-head Sedge	HERK-P JEFF-P ONEI-P STLA-P	G4	SH	E
<i>Carex tenuiflora</i>	Sparse-flowered Sedge	ERIE-P ESSE-P LEWL-C MADI-P ONEI-P SARA-P STLA-C WARR-P	G5	S1	E
<i>Carex tinctoria</i>	Tinged Sedge	DUTC-P HAMI-P HERK-? RENS-X	G4G5	SH	E
<i>Carex typhina</i>	Cat-tail Sedge	BRON-P CATT-P CLIN-C COLU-P DUTC-P ESSE-P KING-P ONEI-P ORAN-C QUEE-C RICH-P STEU-P SUFF-C SULL-P TIOG-P WASH-C WEST-C	G5	S2	T
<i>Carex vaginata</i>	Sheathed Sedge	ESSE-P GENE-C LEWL-P MONR-P	G5	S1	E
<i>Carex venusta</i>	Graceful Sedge	NASS-P SUFF-C	G4	S1	E
<i>Carex wiegandii</i>	Wiegand's Sedge	FRAN-C LEWL-C	G3	S1	E



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<i>Carya laciniosa</i>	Big Shellbark Hickory	CATT-C CAYU-C CHEM-P ERIE-C LIVI-C MONR-C ONEL-P ONON-P ROCK-P SENE-P STEU-P TIOG-? TOMP-P WAYN-C WEST-?	G5	S2	T
<i>Castilleja coccinea</i>	Scarlet Indian-paintbrush	CAYU-? DUTC-C ERIE-P GENE-P JEFF-C LIVI-P MADI-? MONR-P NASS-? NIAG-P ONON-P ONTA-P ORAN-P QUEE-X RICH-P ROCK-P SENE-P STEU-P STLA-C TOMP-? ULST-P WEST-P YATE-P	G5	S1	E
<i>Ceanothus herbaceus</i>	Prairie Redroot	CHEM-P CLIN-C ESSE-P JEFF-C	G5	S1	E
<i>Cenchrus tribuloides</i>	Dune Sandspur	ALBA-P BRON-P KING-P NASS-P QUEE-C RICH-C SUFF-?	G5	S2	T
<i>Chaerophyllum procumbens</i>	Spreading Chervil	CHEM-P CHEN-? ERIE-C GENE-P MONR-P ONON-P TOMP-P WAYN-P	G5	S1	E
<i>Chamaecyparis thyoides</i>	Atlantic White Cedar	NASS-C ORAN-C PUTN-C RICH-X SUFF-C	G4	S3	R
<i>Chamaelirium luteum</i>	Fairy Wand	BRON-X BROO-P CATT-C CAYU-? CHAU-P CHEM-P COLU-P DUTC-C ERIE-C GENE-P GREE-? LIVI-P MONR-P MONT-? ONON-P ORAN-? PUTN-X QUEE-X RENS-P RICH-? ROCK-P SCHO-P SENE-P STEU-? TIOG-P TOMP-P ULST-? WASH-P WEST-P YATE-P	G5	S1S2	T
<i>Chasmanthium laxum</i>	Slender Spikegrass	NASS-X RICH-X SUFF-C	G5	S1	E
<i>Cheilanthes lanosa</i>	Woolly Lip-fern	BRON-X DUTC-X NASS-? NEWY-X ROCK-X ULST-P WEST-X	G5	SH	E
<i>Chenopodium berlandieri</i> var. <i>macrocalycium</i>	Large Calyx Goosefoot	BRON-P KING-P NASS-P QUEE-P RICH-P SUFF-C WEST-P	G4T4	S1S2	E
<i>Chenopodium rubrum</i>	Red Pigweed	BRON-P CAYU-? KING-P MONR-P NASS-C NEWY-? ONEL-? ONON-X RENS-? RICH-? SENE-? STLA-? SUFF-C TOMP-? WEST-P	G5	S2	T
<i>Cirsium altissimum</i>	Tall Thistle	BRON-X ESSE-X KING-X MONT-X NEWY-? RENS-? RICH-X SARA-? SCHE-? SUFF-X WEST-X	G5	SX	U



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<i>Clematis ochroleuca</i>	Curly-heads	KING-X NASS-X RICH-X SUFF-?	G4	SX	U
<i>Clinopodium arkansanum</i>	Calamint	DUTC-X ERIE-X NIAG-X	G5	SX	U
<i>Collinsia verna</i>	Blue-eyed-Mary	ALLE-P CHAU-? ERIE-P HERK-P MADI-P MONR-P NIAG-? ONEL-P SCHE-? TOMP-P	G5	SH	E
<i>Commelina erecta</i> var. <i>erecta</i>	Slender Dayflower	NEWY-X QUEE-? RICH-?	G5T5	SX	U
<i>Corallorhiza striata</i>	Striped Coralroot	JEFF-P LEWI-P MADI-C MONR-P ORLE-P	G5	S1	E
<i>Corema conradii</i>	Broom Crowberry	ULST-C	G4	S1	E
<i>Coreopsis rosea</i>	Rose Coreopsis	NASS-X SUFF-C	G3	S3	R
<i>Cornus drummondii</i>	Rough-leaf Dogwood	CATT-C ERIE-C NIAG-P	G5	S1	E
<i>Corydalis aurea</i>	Golden Corydalis	CLIN-C DUTC-P ESSE-C JEFF-C LEWI-? NASS-P NEWY-? ROCK-P SARA-P TOMP-P ULST-P WASH-C	G5	S2	T
<i>Crassula aquatica</i>	Water Pigmyweed	ORAN-C PUTN-P ROCK-C SUFF-C ULST-P WEST-P	G5	S1	E
<i>Crataegus berberifolia</i>	Barberry-leaved Hawthorn	SUFF-C	G4	S1	E
<i>Crataegus mollis</i>	Downy Hawthorn	SUFF-C	G5	S1	E
<i>Crataegus uniflora</i>	Dwarf Hawthorn	RICH-P SUFF-P	G5	S1	E
<i>Crotalaria sagittalis</i>	Rattlebox	BRON-P COLU-P DUTC-P LEWI-? NASS-C NEWY-P ORAN-P PUTN-P QUEE-P RENS-? RICH-? ROCK-C SARA-P SUFF-P ULST-P WEST-C	G5	S1	E
<i>Cuscuta cephalanthi</i>	Button-bush Dodder	CAYU-P DUTC-C MONR-? NASS-P ONON-? ONTA-? RICH-P ROCK-P SENE-P TOMP-? ULST-C WASH-P	G5	S1	E
<i>Cuscuta obtusiflora</i> var. <i>glandulosa</i>	Southern Dodder	GREE-C RICH-C ROCK-C	G5T4T5	S1	E
<i>Cuscuta polygonorum</i>	Smartweed Dodder	DUTC-C MONR-P NASS-C NIAG-C PUTN-C QUEE-C SUFF-P ULST-?	G5	S1	E



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Cynoglossum virginianum var. boreale	Northern Wild Comfrey	ALBA-P CATT-P CHEM-P CLIN-C	G5T4T5	S1S2	E
		DELA-? ERIE-P ESSE-P FRAN-?			
		GENE-P GREE-P JEFF-P LEWI-C			
		LIVI-P MADI-P MONR-P NIAG-P			
		ONEI-? ONON-P ORAN-P SARA-P			
		SCHE-P SCHO-P SCHU-P TIOG-P			
		TOMP-P ULST-P WARR-P WASH-P			
		YATE-P			
Cynoglossum virginianum var. virginianum	Wild Comfrey	CORT-P NASS-P ONTA-P RICH-P	G5T5	SH	E
		SUFF-P			
Cyperus echinatus	Globose Flatsedge	BRON-C FRAN-? NEWY-X QUEE-X	G5	S1	E
		RICH-C WEST-P			
Cyperus flavescens	Yellow Flatsedge	BRON-C KING-C NASS-P NEWY-C	G5	S1	E
		QUEE-C RICH-? ROCK-C SUFF-C			
		WEST-P			
Cyperus lupulinus ssp. lupulinus	Hop Sedge	ALBA-P BRON-P KING-X ONEI-P	G5T5?	S2	T
		ONON-? OSWE-? PUTN-C QUEE-C			
		RICH-C SARA-? SUFF-C WARR-C			
Cyperus plukenetii	Galingale	NEWY-? RICH-X	G5	SX	U
Cyperus polystachyos var. texensis	Coast Flatsedge	NASS-P QUEE-P RICH-P SUFF-C	G5T5	S1S2	E
Cyperus retrorsus	Retrorse Flatsedge	KING-P NASS-P QUEE-C RICH-P	G5	S1	E
		SUFF-C WEST-P			
Cyperus schweinitzii	Schweinitz's Flatsedge	ALBA-C CAYU-P CHAU-P CHEM-P	G5	S2S3	R
		COLU-C ERIE-P GREE-P JEFF-C			
		KING-C LEWI-C MONR-C ONEI-P			
		QUEE-C RENS-P SARA-C SCHE-P			
		STLA-C WAYN-?			
Cypripedium arietinum	Ram's-head Ladyslipper	ALBA-C CLIN-C ESSE-C FULT-P	G3	S2	T
		HERK-C JEFF-C LEWI-C MADI-P			
		MONT-P ONEI-P ONON-P OSWE-P			
		OTSE-P SCHE-X WARR-P WAYN-P			
Cypripedium candidum	Small White Ladyslipper	CHEM-? ERIE-P GENE-C LIVI-C	G4	S1	E
		ONON-P ONTA-? OTSE-? SCHU-P			
		WARR-P			
Cypripedium parviflorum var. parviflorum	Small Yellow Ladyslipper	BRON-X CHEM-P LEWI-P LIVI-P	G5T3T4	SH	E
		MADI-P ONEI-P ONON-P OTSE-?			
		RENS-P SCHE-P STLA-P TOMP-P			
		ULST-P WEST-X WYOM-P			



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<i>Cystopteris protrusa</i>	Lowland Fragile Fern	ERIE-P RICH-C SENE-P SUFF-P TOMP-P	G5	S1	E
<i>Descurainia pinnata</i> ssp. <i>brachycarpa</i>	Northern Tansy-mustard	CLIN-C DUTC-P ERIE-P ESSE-C SCHU-P SUFF-P TOMP-P	G5T5	S1	E
<i>Desmodium ciliare</i>	Little-leaf Tick-trefoil	ALBA-P BRON-P DUTC-P ERIE-P GENE-C MADI-P MONR-C NASS-C NEWY-? ONEL-? ONON-C ORAN-? OSWE-P QUEE-P RICH-? SCHE-? SENE-? SUFF-C WEST-P YATE-?	G5	S2S3	T
<i>Desmodium humifusum</i>	Spreading Tick-clover	BRON-? ORAN-P WEST-P	G1G2Q	SH	E
<i>Desmodium laevigatum</i>	Smooth Tick-clover	ALBA-P BRON-P NASS-? NEWY-? QUEE-X RICH-? SUFF-P WEST-P	G5	SH	E
<i>Desmodium nuttallii</i>	Nuttall's Tick-clover	ALBA-P BRON-P HERK-P KING-X NEWY-P ONON-? RICH-P SCHE-? SENE-? SUFF-? WEST-? YATE-P	G5	SH	E
<i>Desmodium obtusum</i>	Stiff Tick-trefoil	ALBA-? BRON-P CHEM-P ERIE-? MONR-C NASS-P NEWY-? ONON-? ORAN-C OSWE-P RICH-? SCHE-? SUFF-C TIOG-P ULST-? WEST-P	G4G5	S1	E
<i>Desmodium pauciflorum</i>	Small-flowered Tick-clover	CAYU-? CHEM-P GENE-P MONR-P SARA-P SENE-? TIOG-? WAYN-? WEST-?	G5	SH	E
<i>Diapensia lapponica</i> var. <i>lapponica</i>	Diapensia	ESSE-C	G5T3T5	S2	T
<i>Diarrhena obovata</i>	Beakgrass	ULST-C	G4G5	S2	E
<i>Dichanthelium leibergii</i>	Leiberg's Panic Grass	RENS-C SCHU-P	G5	S1	E
<i>Dichanthelium oligosanthes</i> var. <i>scribnerianum</i>	Velvet Panic Grass	BRON-C KING-X NEWY-P QUEE-C RICH-C SENE-P SUFF-P TIOG-P YATE-P	G5T5	S1	E
<i>Dichanthelium scabriusculum</i>	Rough Panic Grass	NASS-P ONEI-P OSWE-P QUEE-P SUFF-C	G4	S1	E
<i>Dichanthelium villosissimum</i> var. <i>villosissimum</i>	Long-haired Panic Grass	BRON-P CHEM-P NASS-P NEWY-P OSWE-P PUTN-P QUEE-P SENE-P SUFF-C WEST-P	G5T5	S1	U
<i>Dichanthelium wrightianum</i>	Wright's Panic Grass	SUFF-C	G4	S1S2	E



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<i>Digitaria filiformis</i>	Slender Crabgrass	ALBA-? BRON-P DUTC-? NASS-P NEWY-P QUEE-P RICH-P SUFF-C ULST-P WEST-? YATE-P	G5	S2	T
<i>Diospyros virginiana</i>	Persimmon	BRON-C KING-? NASS-C NEWY-P RICH-C SUFF-C WEST-?	G5	S2	T
<i>Dodecatheon meadia</i> ssp. <i>meadia</i>	Shooting-star	STEU-X	G5T5	SX	U
<i>Draba arabisans</i>	Rock-cress	CLIN-C ERIE-P ESSE-C GENE-C JEFF-C LEWI-P NIAG-P ONEI-? ONON-P STLA-P TOMP-C WASH-C YATE-C	G4	S2	T
<i>Draba glabella</i>	Rock-cress	CLIN-C WASH-C	G4G5	S1	E
<i>Draba reptans</i>	Carolina Whitlow-grass	DUTC-C JEFF-C NEWY-P QUEE-? RICH-? SUFF-P WEST-?	G5	S2	T
<i>Dracocephalum parviflorum</i>	American Dragonhead	ERIE-P FRAN-? JEFF-C LEWI-P ONEI-? STLA-?	G5	S1	E
<i>Dryopteris celsa</i>	Log Fern	GENE-P MONR-P ONTA-C RICH-P SENE-?	G4	S1	E
<i>Dryopteris fragrans</i>	Fragrant Cliff Fern	ESSE-C FRAN-P GREE-C HAMI-P	G5	S1	E
<i>Echinodorus tenellus</i>	Burhead	CORT-X KING-X ONON-X QUEE-X	G3Q	SX	U
<i>Eclipta prostrata</i>	False-daisy	BRON-P NEWY-X ORAN-C RICH-P ROCK-C SUFF-? ULST-P	G5	S1	E
<i>Elatine americana</i>	American Waterwort	ALBA-P COLU-P DUTC-P GREE-C ONEI-? ONON-X ORAN-C RENS-P ROCK-P SUFF-C ULST-P	G4	S1	E
<i>Eleocharis aestuum</i>	Tidal Spikerush	COLU-C GREE-P ULST-P	G3	S1	U
<i>Eleocharis diandra</i>	Wright's Spikerush	MADI-P ONEI-C RENS-P	G1	S1	U
<i>Eleocharis engelmannii</i>	Engelmann's Spikerush	BRON-P COLU-P KING-X NASS-P QUEE-P SUFF-C	G4G5Q	S1	E
<i>Eleocharis equisetoides</i>	Knotted Spikerush	DUTC-C MONR-P NASS-X ONEI-? ONON-? SUFF-C WEST-?	G4	S2	T
<i>Eleocharis fallax</i>	Creeping Spikerush	BRON-P SUFF-C ULST-P	G4G5	S1	E



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Eleocharis halophila	Salt-marsh Spikerush	BRON-P CAYU-P JEFF-P KING-P NASS-P NEWY-P ONEI-X OSWE-P QUEE-? ROCK-C SUFF-C	G4	S2	T
Eleocharis ovata	Blunt Spikerush	ALBA-P CLIN-C COLU-P DUTC-C ERIE-P ESSE-P FRAN-P GENE-C GREE-P HAMI-P HERK-P KING-P LIVI-P MADI-P NASS-C ONEI-P ORAN-? OSWE-P PUTN-? RENS-P RICH-P ROCK-? SARA-P STLA-P SUFF-C SULL-P ULST-C WARR-P WASH-? WEST-?	G5	S1	E
Eleocharis quadrangulata	Angled Spikerush	CAYU-C OSWE-P RICH-C ROCK-P SUFF-C ULST-P WEST-C	G4	S1	E
Eleocharis tenuis var. pseudoptera	Slender Spikerush	BRON-C PUTN-P QUEE-X SUFF-C	G5T5?	S1	E
Eleocharis tortilis	Twisted Spikerush	NASS-X	G5	SX	U
Eleocharis tricostata	Three-ribbed Spikerush	SENE-P SUFF-C WEST-P	G4	S1	E
Eleocharis tuberculosa	Long-tubercled Spikerush	NASS-P QUEE-P RICH-P SUFF-C WEST-P	G5	S2	T
Ellisia nyctelea	Ellisia	NEWY-X	G5	SX	U
Empetrum eamesii ssp. atropurpureum	Purple Crowberry	ESSE-C	G5T5	S1	E
Empetrum nigrum ssp. hermaphroditum	Black Crowberry	ESSE-C SUFF-X	G5T5	S3	R
Enemion biternatum	False Rue-anemone	ERIE-X	G5	SX	U
Epilobium hornemannii	Alpine Willow-herb	ESSE-P HERK-? JEFF-C	G5	S1	E
Equisetum laevigatum	Smooth Scouring Rush	CAYU-X JEFF-X LEWI-X TOMP-X WAYN-X	G5	SX	E
Equisetum palustre	Marsh Horsetail	CLIN-C DUTC-C ERIE-P HERK-P JEFF-P LEWI-C MADI-C MONR-P NIAG-? ONON-X ORLE-? OSWE-P SCHU-C STLA-C TOMP-C WASH-C WEST-P	G5	S2	T
Equisetum pratense	Meadow Horsetail	CLIN-C DELA-P DUTC-? ESSE-C NIAG-? ONEI-P PUTN-C STLA-C SUFF-P ULST-C WASH-C WEST-P	G5	S2	T



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<i>Erechtites hieraciifolia</i> var. <i>megalocarpa</i>	Fireweed	SUFF-C	G5T1T2	S2	E
<i>Erigenia bulbosa</i>	Harbinger-of-spring	BROO-P ERIE-P MONR-C NIAG-C	G5	S1	E
<i>Erigeron hyssopifolius</i>	Daisy Fleabane	ESSE-X HAMI-C	G5	S1	E
<i>Eriocaulon parkeri</i>	Estuary Hatpins	ALBA-X COLU-X DUTC-X GREE-X ORAN-X ROCK-X ULST-X	G3	SX	U
<i>Eriophorum angustifolium</i> ssp. <i>angustifolium</i>	Narrow-leaf Cottongrass	CHAU-? DUTC-? FRAN-P JEFF-P MONR-? ONEI-P RENS-? SENE-P	G5T5	SH	E
<i>Eryngium aquaticum</i>	Marsh Eryngo	NEWY-X RICH-X	G4	SX	U
<i>Euonymus americanus</i>	American Strawberry-bush	BRON-P ERIE-? MONR-P NASS-C NEWY-? QUEE-P RICH-C ROCK-P SCHE-? WEST-?	G5	S1	E
<i>Eupatorium album</i> var. <i>subvenosum</i>	White Boneset	BRON-P NASS-P QUEE-? RICH-C SUFF-C	G5T3T4	S2S3	T
<i>Eupatorium hyssopifolium</i> var. <i>laciniatum</i>	Fringed Boneset	NASS-C QUEE-C RICH-C SUFF-C	G5T4T5	S2	T
<i>Eupatorium leucolepis</i> var. <i>leucolepis</i>	White Boneset	RICH-C SUFF-C	G5T5	S1	E
<i>Eupatorium resinosum</i>	Pine Barrens Boneset	QUEE-X	G3	SX	U
<i>Eupatorium rotundifolium</i> var. <i>ovatum</i>	Round-leaf Boneset	QUEE-P SUFF-C	G5T5	S1	E
<i>Eupatorium rotundifolium</i> var. <i>rotundifolium</i>	Round-leaf Boneset	NASS-P QUEE-P RICH-P SUFF-P	G5T5	SH	E
<i>Eupatorium serotinum</i>	Late Boneset	BRON-P NASS-P RICH-C	G5	S2	E
<i>Euphorbia ipecacuanhae</i>	Wild Ipecac	NASS-C ONON-X RICH-P SUFF-C	G5?	S1	E
<i>Eurybia radula</i>	Swamp Aster	NASS-P QUEE-X RICH-P STLA-P SUFF-P	G5	SH	E
<i>Eurybia spectabilis</i>	Showy Aster	ONON-X RICH-? ROCK-C SUFF-C	G5	S2	T
<i>Euthamia gymnospermoides</i>	Flat-top Goldenrod	NASS-P SUFF-P	G5	SH	U
<i>Festuca saximontana</i> var. <i>saximontana</i>	Sheep Fescue	ESSE-C	G5T5?	S1	E
<i>Fimbristylis caroliniana</i>	Carolina Fimbry	SUFF-X	G4	SX	U
<i>Fimbristylis castanea</i>	Marsh Fimbry	QUEE-P RICH-? SUFF-C WEST-?	G5	S2	T



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<i>Fimbristylis puberula</i> var. <i>puberula</i>	Hairy Fimbry	NASS-X	G5T5?	SX	U
<i>Frasera caroliniensis</i>	Green Gentian	ALLE-C ERIE-P GENE-C LIVI-C MADI-P MONR-P ONEI-? ONTA-P WYOM-C	G5	S2	T
<i>Galactia volubilis</i>	Downy Milk-pea	CHAU-? MONR-X NEWY-X QUEE-X RICH-? SUFF-X WEST-X	G5	SX	U
<i>Galium concinnum</i>	Shining Bedstraw	CATT-P DUTC-C MONR-P ONON-P ONTA-P PUTN-C	G5	S1	E
<i>Galium kamschaticum</i>	Northern Wild-licorice	ESSE-C HAMI-P	G5	S1	E
<i>Gamochaeta purpurea</i>	Purple Everlasting	ALBA-P CATT-C KING-? NEWY-? ONON-? ONTA-? QUEE-? RICH-C SUFF-C WEST-C	G5	S1	E
<i>Gaylussacia dumosa</i>	Dwarf Huckleberry	NASS-P PUTN-C SUFF-C	G5	S1S2	E
<i>Gentiana puberulenta</i>	Prairie Gentian	ERIE-X MONR-X	G4G5	SX	U
<i>Gentiana saponaria</i>	Soapwort Gentian	DUTC-P KING-X NASS-P NEWY-X QUEE-X RICH-C SUFF-P	G5	S1	E
<i>Gentianopsis virgata</i>	Lesser Fringed Gentian	ERIE-P MONR-P NIAG-C STLA-C	G5	S1	E
<i>Geocaulon lividum</i>	Purple Comandra	ESSE-C	G5	S1	E
<i>Geranium carolinianum</i> var. <i>sphaerospermum</i>	Carolina Cranesbill	BRON-P DUTC-P JEFF-C ORAN-C OTSE-P RICH-P ULST-C WARR-P WEST-P	G5T4?	S2	T
<i>Geum macrophyllum</i> var. <i>macrophyllum</i>	Bigleaf Yellow Avens	ESSE-P ULST-C	G5T5	S1	U
<i>Geum triflorum</i> var. <i>triflorum</i>	Prairie-smoke	JEFF-C OSWE-?	G5T5?	S2	T
<i>Geum vernum</i>	Spring Avens	BRON-P CHAU-C CHEN-C DUTC-C HERK-? KING-? LIVI-C NIAG-? ONEI-P ONON-P ONTA-P ORAN-C SCHU-C SUFF-P TOMP-C ULST-C WEST-P	G5	S2S3	E



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Geum virginianum	Rough Avens	ALBA-P BRON-P CAYU-P CHEM-P COLU-P DUTC-? ERIE-P GREE-C JEFF-C LIVI-C MADI-P MONR-P NASS-X NIAG-? ONEI-P ONON-P ONTA-P ORAN-C PUTN-C QUEE-P RENS-? ROCK-P SCHE-P SCHU-? STLA-P SUFF-C SULL-? TIOG-P ULST-C WASH-P WEST-P	G5	S2	E
Glycyrrhiza lepidota	American Licorice	ERIE-X	G5	SX	U
Gymnocladus dioica	Kentucky Coffee Tree	CAYU-C JEFF-P ONEI-P ONON-P ONTA-C TOMP-C	G5	S1	E
Hackelia deflexa var. americana	Northern Stickseed	ALBA-P CLIN-C JEFF-P SCHO-P	G5T5	S1	E
Halenia deflexa	Spurred Gentian	CLIN-C ESSE-C HAMI-C HERK-P ONEI-P SULL-P WARR-C	G5	S1	E
Harrimanella hypnoides	Moss-heather	ESSE-X HAMI-X	G5	SX	U
Hasteola suaveolens	Sweet-scented Indian-plantain	CATT-C CHEM-P CHEN-P GENE-P LIVI-C MONR-P ONON-P TIOG-P	G3	S1	E
Hedeoma hispida	Mock-pennyroyal	ALBA-C CLIN-P COLU-C DUTC-C ESSE-C FRAN-P HERK-P JEFF-C RENS-P SARA-C SCHE-P STLA-P SUFF-P ULST-C WARR-P WASH-P	G5	S2S3	T
Helianthemum dumosum	Bushy Rockrose	NASS-C SUFF-C	G3	S2	T
Helianthemum propinquum	Early Frostweed	NASS-C SUFF-C	G4	S2S3	U
Helianthus angustifolius	Swamp Sunflower	KING-X NASS-P QUEE-X RICH-? SUFF-C	G5	S2	T
Helonias bullata	Swamp Pink	RICH-X	G3	SX	U
Hierochloe alpina ssp. orthantha	Alpine Sweetgrass	ESSE-C	G5T3T5	S1	E
Hippuris vulgaris	Common Mare's-tail	CAYU-P CORT-P ESSE-P FRAN-P LEWI-C ONTA-P OTSE-P SENE-P STLA-P WASH-P	G5	S1	E
Hottonia inflata	Featherfoil	JEFF-? NASS-P ORAN-C QUEE-X RICH-C ROCK-P SUFF-C WEST-C	G4	S2	T
Houstonia purpurea var. calycosa	Purple Bluets	ESSE-P NASS-P SUFF-P TOMP-P ULST-P WASH-P	G5T5	SH	E



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<i>Houstonia purpurea</i> var. <i>purpurea</i>	Purple Bluets	MONR-? SUFF-P WASH-P WEST-P	G5T5	SH	E
<i>Huperzia appalachiana</i>	Appalachian Firmoss	ESSE-C GREE-P ULST-P	G4G5	S2	T
<i>Huperzia selago</i>	Fir Clubmoss	ESSE-P STLA-P	G5	SH	E
<i>Hydrangea arborescens</i>	Wild Hydrangea	BRON-P BROO-P CHEM-C CHEN-P DELA-? ORAN-P PUTN-P ROCK-P STEU-P SULL-P TIOG-? WYOM-?	G5	S2	E
<i>Hydrastis canadensis</i>	Golden-seal	ALBA-C BRON-C CAYU-C COLU-P DUTC-C ERIE-C GENE-C HERK-C LIVI-C MADI-C MONR-C NIAG-P ONEI-? ONON-P ORAN-? ORLE-P RENS-C SARA-C SCHU-P TOMP-P ULST-P WAYN-P WYOM-C YATE-?	G4	S2	T
<i>Hydrocotyle ranunculoides</i>	Floating Pennywort	CHAU-C	G5	S1	E
<i>Hydrocotyle verticillata</i>	Whorled-pennywort	SUFF-C	G5	S1	E
<i>Hypericum adpressum</i>	Creeping St. John's-wort	NASS-X SUFF-C	G2G3	S2	E
<i>Hypericum densiflorum</i>	Bushy St. John's-wort	NASS-C SUFF-C	G5	S1	E
<i>Hypericum denticulatum</i>	Coppery St. John's-wort	SUFF-C	G5	S1	E
<i>Hypericum gymnanthum</i>	Clasping-leaved St. John's-wort	SUFF-X	G4	SX	U
<i>Hypericum hypericoides</i> ssp. <i>multicaule</i>	St. Andrew's Cross	NASS-C RICH-P SUFF-C	G5T4	S1	E
<i>Hypericum kalmianum</i>	Kalm's St. John's-wort	NIAG-X	G4	SX	U
<i>Hypericum prolificum</i>	Shrubby St. John's-wort	ALLE-P BRON-? CATT-C CHEN-? COLU-P CORT-P NIAG-? OSWE-P SARA-P SENE-C SUFF-C WEST-C	G5	S2	T
<i>Ipomoea pandurata</i>	Wild Potato-vine	BRON-? CATT-P DUTC-? ERIE-? MONR-C RICH-C ROCK-C	G5	S1	E
<i>Iris prismatica</i>	Slender Blue Flag	BRON-C DUTC-? KING-X NASS-P ONON-X QUEE-X RICH-C ROCK-P SUFF-C WEST-P	G4G5	S2	T
<i>Iris virginica</i> var. <i>shrevei</i>	Southern Blueflag	ERIE-C	G5T5	S1	E



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Isoetes riparia	Riverbank Quillwort	BRON-P CLIN-? COLU-C DUTC-P	G5?	S1	E
		ESSE-P GREE-P ORAN-P RENS-P			
		ROCK-C SARA-P STLA-P SUFF-P			
		SULL-C ULST-P WASH-P			
Isotria medeoloides	Small Whorled Pogonia	NASS-P ONON-P ROCK-P SUFF-P	G2	SH	E
		ULST-P WASH-P			
Jeffersonia diphylla	Twin-leaf	ALLE-C CATT-P CAYU-C ERIE-C	G5	S2	T
		GENE-C JEFF-P LIVI-C MONR-C			
		ONON-C ONTA-C ORLE-P RENS-C			
		SENE-C STEU-C WAYN-P WEST-P			
		YATE-C			
Juncus ambiguus	Doubtful Toad-rush	SUFF-C	G5	S1	E
Juncus biflorus	Large Grass-leaved Rush	BRON-C NASS-C RICH-C SUFF-C	G5	S1	E
Juncus brachycarpus	Short-fruit Rush	BRON-C NASS-P SUFF-P	G4G5	S1	E
Juncus debilis	Weak Rush	NASS-C ORAN-C SCHE-? SUFF-C	G5	S1	E
		SULL-C			
Juncus ensifolius	Ensiform Rush	DELA-C SULL-C	G5	S1	E
Juncus scirpoides	Scirpus-like Rush	BRON-P HERK-P NASS-P ONON-X	G5	S1	E
		OTSE-? QUEE-C RICH-C SUFF-C			
Juncus stygius ssp. americanus	Moor-rush	ESSE-P HERK-P JEFF-P	G5T5	SH	E
Juncus subcaudatus	Woods-rush	BRON-P CATT-C DELA-P ERIE-?	G5	S1	E
		HERK-P NASS-C ONEI-P ORAN-C			
		ROCK-? SARA-P SUFF-C SULL-P			
		ULST-C			
Juncus trifidus	Arctic Rush	ESSE-C ULST-C	G5	S2	T
Juniperus horizontalis	Prostrate Juniper	CHEM-P CHEN-P CLIN-C GENE-C	G5	S1	E
		LIVI-P MADI-P MONR-P ONEI-P			
		ONON-P			
Kosteletzkya virginica	Seaside Mallow	NASS-X	G5	SX	U
Lachnanthes caroliniana	Carolina Redroot	SUFF-C	G4	S1	E
Lactuca floridana	False Lettuce	BRON-C CHEM-? DUTC-? NASS-?	G5	S1	E
		ULST-P			



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Lactuca hirsuta	Downy Lettuce	ALBA-? CATT-P CLIN-P DELA-P ERIE-P ESSE-C NASS-P ONEL-? ORAN-P OTSE-P QUEE-X RENS-P RICH-P SCHE-? STLA-C SUFF-P SULL-P TOMP-P ULST-P WARR-P WASH-P	G5?	S1	E
Lathyrus venosus	Rough Veiny Vetchling	LIVI-C	G5	S1	E
Lechea pulchella var. moniliformis	Bead Pinweed	NASS-P RICH-? SUFF-C WEST-?	G5T4	S1	E
Lechea tenuifolia	Slender Pinweed	BRON-P NASS-C ORAN-C SUFF-C WEST-C	G5	S2	T
Lemna perpusilla	Minute Duckweed	BRON-P KING-C MONR-? NEWY-? QUEE-P RENS-? RICH-P ROCK-? SUFF-C WEST-P	G5	S1	E
Lemna valdiviana	Pale Duckweed	QUEE-P RICH-? SUFF-P	G5	SH	E
Leptochloa fusca ssp. fascicularis	Salt-meadow Grass	CAYU-C NASS-C ONON-X ROCK-P SUFF-C WAYN-C	G5T3T4Q	S1	E
Lespedeza angustifolia	Narrow-leaved Bush-clover	NASS-C SUFF-C WEST-P	G5	S2	R
Lespedeza stuevei	Velvety Bush-clover	ERIE-? NASS-P RICH-C SCHE-? SUFF-C TIOG-P ULST-P WASH-P WEST-P	G4?	S2	T
Liatris cylindracea	Slender Blazing-star	NIAG-C	G5	S1	E
Liatris scariosa var. novae-angliae	Northern Blazing-star	ALBA-P CHEM-P DUTC-C KING-P NASS-P NEWY-X QUEE-P SUFF-C TOMP-P ULST-? WEST-P	G5?T3	S2	T
Ligusticum scoticum ssp. scoticum	Scotch Lovage	ONON-X SUFF-C	G5T3T5	S1	E
Lilaeopsis chinensis	Lilaeopsis	BRON-? NASS-P NEWY-? ORAN-C RICH-? ROCK-C SUFF-C WEST-P	G5	S2	T
Lilium michiganense	Michigan Lily	JEFF-C MONR-P	G5	S1	E
Linum intercursum	Sandplain Wild Flax	NASS-P SUFF-C	G4	S2	T
Linum medium var. texanum	Southern Yellow Flax	BRON-X DUTC-C NASS-P ORAN-C QUEE-X RENS-C RICH-P SUFF-C	G5T5	S2	T



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Linum sulcatum	Yellow Wild Flax	ALBA-P BRON-P BROO-? COLU-P CORT-? DUTC-C ERIE-P LIVI-P MADI-P ONEI-? ONON-P ROCK-? TOMP-P WASH-P WYOM-P	G5	S2	T
Liparis lilifolia	Large Twayblade	ALBA-C BRON-? CHAU-? CHEM-P DELA-P DUTC-C GREE-P KING-? MONR-P NASS-? NEWY-P ONEI-? ONON-P ORAN-C OSWE-C PUTN-P QUEE-P RENS-P RICH-P ROCK-P SARA-P SCHE-P SENE-P SUFF-P TOMP-P ULST-P WEST-P	G5	S1	T
Lipocarpus micrantha	Dwarf Bulrush	DUTC-? ESSE-C MADI-P ONEI-X ORAN-C OSWE-P RENS-P SARA-P SCHE-? SUFF-C WARR-C WEST-?	G4	S1	E
Listera auriculata	Auricled Twayblade	LEWI-P WARR-C	G3	S1	E
Listera australis	Southern Twayblade	CATT-P CAYU-P CHEN-P CORT-C ERIE-P FULT-P HAMI-P MADI-P ONEI-P ONON-C OSWE-P SENE-P STLA-P SUFF-C WAYN-C WYOM-P	G4	S1S2	E
Listera convallarioides	Broad-lipped Twayblade	CHAU-? CORT-? ESSE-P HAMI-? HERK-P JEFF-P LEWI-P ONEI-P ONON-P WEST-?	G5	SH	E
Lithospermum canescens	Hoary Puccoon	CAYU-X MADI-X MONR-X ONON-? SARA-? SCHE-?	G5	SX	U
Lithospermum carolinense var. croceum	Golden Puccoon	GENE-P MONR-P ONON-?	G4G5T4T5	SH	E
Littorella uniflora	American Shore-grass	CHAU-P CLIN-C HAMI-P	G5	S1	E
Loiseleuria procumbens	Alpine Azalea	ESSE-C	G5	S1	E
Ludwigia sphaerocarpa	Globe-fruited Ludwigia	RICH-P SUFF-C ULST-C WEST-P	G5	S2	T
Luzula spicata	Spiked Woodrush	ESSE-C	G5	S1	E
Lycopodiella caroliniana var. caroliniana	Carolina Clubmoss	NASS-C SUFF-C WARR-C WASH-C	G5T4	S1	E
Lycopodium complanatum	Northern Running-pine	CORT-P ESSE-C GREE-P LEWI-C ONEI-C ULST-P	G5	S1	E
Lycopodium sitchense	Sitka Clubmoss	DELA-P ESSE-P FRAN-C STLA-?	G5	S1	E



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Lycopus rubellus	Gypsy-wort	ALBA-P BRON-P DUTC-C ERIE-P FRAN-P GREE-C HERK-? KING-X MADL-P NASS-P NEWY-X NIAG-P ORAN-C PUTN-C QUEE-P RICH-? SARA-P SUFF-C WEST-P	G5	S1	E
Lygodium palmatum	Climbing Fern	CHEN-P GREE-P ONEI-C ONON-P SARA-C SUFF-P	G4	S1	E
Lysimachia hybrida	Lance-leaved Loosestrife	ALLE-P CLIN-P DUTC-P ESSE-C KING-X NASS-P ONEI-P ORAN-P QUEE-C RICH-P SCHE-? SUFF-C WASH-C WEST-?	G5	S1	E
Lysimachia quadriflora	Four-flowered Loosestrife	ERIE-C NIAG-C	G5?	S1	E
Lythrum lineare	Saltmarsh Loosestrife	SUFF-C	G5	S1	E
Magnolia virginiana	Sweetbay Magnolia	BRON-X KING-X NASS-C QUEE-X RICH-C SUFF-C WEST-P	G5	S1	E
Malaxis bayardii	Bayard's Malaxis	ALBA-C NASS-P ORAN-P RICH-P SUFF-P	G2	S1	E
Melanthium latifolium	Slender Bunchflower	NASS-X ORAN-X QUEE-X RICH-? ROCK-? WEST-X	G5	SX	U
Melanthium virginicum	Virginia Bunchflower	NASS-P ORAN-P RICH-P ROCK-P SUFF-? WEST-?	G5	SH	E
Micranthemum micranthemoides	Micranthemum	DUTC-X	GH	SX	U
Minuartia glabra	Appalachian Sandwort	GREE-P ORAN-P SULL-P ULST-C	G4	S2	T
Monarda clinopodia	Basil-balm	CATT-C CAYU-P CHAU-P CHEM-P ERIE-P GENE-P LIVI-P MONR-P NIAG-P ONTA-P STEU-P TIOG-P TOMP-P ULST-? WEST-? WYOM-P YATE-?	G5	S1S2	E
Muhlenbergia capillaris var. capillaris	Long-awn Hairgrass	NIAG-? SUFF-X	G5T5?	SX	U
Myriophyllum alterniflorum	Water Milfoil	CLIN-C ESSE-C FULT-P JEFF-P PUTN-P QUEE-? STLA-P WARR-C	G5	S2	T
Myriophyllum farwellii	Farwell's Water-milfoil	CLIN-P ESSE-P FRAN-P FULT-P HAMI-C HERK-C ONEI-P ONON-? RENS-C STLA-P SUFF-P SULL-P	G5	S2	T



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<i>Myriophyllum pinnatum</i>	Green Parrot's-feather	NASS-P ORAN-P QUEE-? ROCK-P SUFF-C WARR-? WASH-?	G5	S1	E
<i>Najas guadalupensis</i> ssp. <i>muenscheri</i>	Hudson River Water-nymph	ALBA-P COLU-P DUTC-P GREE-P SARA-P ULST-P WASH-P	G5T1	S1	E
<i>Najas guadalupensis</i> ssp. <i>olivacea</i>	Southern Naiad	CAYU-P SENE-C	G5T4?	S1?	E
<i>Najas marina</i>	Holly-leaved Naiad	CAYU-P MONR-P ONON-X SENE-C WAYN-P	G5	S1	E
<i>Neobeckia aquatica</i>	Lake-cress	CATT-P CAYU-P CORT-C ERIE-C ESSE-P GENE-P HAMI-P HERK-P JEFF-C MADI-P NIAG-P ONEI-P ONON-C ONTA-P OSWE-P SARA-P SENE-P STLA-C WASH-C WAYN-P	G4?	S2	T
<i>Oenothera laciniata</i>	Cut-leaved Evening-primrose	ALBA-P BRON-P NASS-P QUEE-C RICH-P SUFF-C ULST-P	G5	S1	E
<i>Oenothera oakesiana</i>	Evening Primrose	CAYU-? FULT-P NASS-C ONTA-P QUEE-C RICH-C SUFF-C WARR-P WASH-P	G4G5Q	S2	T
<i>Oldenlandia uniflora</i>	Clustered Bluets	BRON-P KING-? NEWY-? QUEE-P RICH-P SUFF-C WEST-?	G5	S1	E
<i>Oligoneuron houghtonii</i>	Houghton's Goldenrod	GENE-C ORLE-?	G3	S1	E
<i>Oligoneuron ohioense</i>	Ohio Goldenrod	ALBA-? COLU-C GENE-C LIVI-C MONR-C NIAG-P ONON-C ONTA-? RENS-X SENE-C WAYN-P WYOM-C YATE-?	G4	S2	T
<i>Oligoneuron rigidum</i> var. <i>rigidum</i>	Stiff-leaf Goldenrod	COLU-P DUTC-? ERIE-C GREE-C NASS-P NEWY-P NIAG-C PUTN-P ROCK-C SCHE-? TOMP-? WEST-C	G5T5	S2	T
<i>Omalotheca sylvatica</i>	Woodland Cudweed	HERK-C	G3G4	S1	E
<i>Onosmodium virginianum</i>	Virginia False Gromwell	ALBA-P DUTC-C HERK-P KING-X NASS-X NEWY-X NIAG-? ONEI-P ONON-P QUEE-X SARA-P SCHE-? SUFF-P WEST-P	G4	S1	E
<i>Orontium aquaticum</i>	Golden Club	BROO-P CHEN-P COLU-C CORT-C DUTC-C FULT-P GREE-C NASS-P ORAN-P OTSE-P QUEE-P RENS-C SUFF-C ULST-P WEST-P	G5	S2	T



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Oxalis violacea	Violet Wood-sorrel	ALBA-P BRON-P CATT-P CHEM-P COLU-P DUTC-P NASS-P ORAN-C PUTN-C QUEE-P RICH-X ROCK-C SUFF-P TIOG-P ULST-C WEST-X	G5	S2S3	T
Oxypolis rigidior	Stiff Cowbane	KING-P NASS-P QUEE-P RICH-P ROCK-? SUFF-P TIOG-?	G5	SH	E
Panicum anceps	Panic Grass	SUFF-X	G5	SX	U
Panicum flexile	Wiry Panic Grass	ERIE-C GENE-C JEFF-C MADI-P ORAN-P SENE-P STLA-C SUFF-? WASH-C YATE-P	G5	S2	T
Panicum rigidulum var. elongatum	Tall Flat Panic Grass	BRON-P SUFF-P WEST-P	G5T4T5	SH	E
Paspalum laeve	Field Beadgrass	BRON-C RICH-P SUFF-C WEST-P	G4G5	S1	E
Pedicularis lanceolata	Swamp Lousewort	ALBA-P BRON-P CAYU-P CHEM-P COLU-P DELA-? DUTC-C ERIE-C GENE-P GREE-C KING-X LIVI-C MADI-? MONR-C NASS-P NEWY-X NIAG-P ONON-? ONTA-C ORAN-C QUEE-X RENS-P RICH-P ROCK-P SARA-P SCHU-P SUFF-P TOMP-C ULST-P WASH-P WAYN-P	G5	S2	T
Pellaea glabella	Smooth Cliff Brake	ALBA-C COLU-C DUTC-P ESSE-C GENE-P JEFF-P LEWI-P NIAG-C ROCK-C STLA-C WARR-P WASH-C	G5	S2	T
Petasites frigidus var. palmatus	Sweet Coltsfoot	ALBA-C CATT-X CLIN-P ESSE-P GENE-P MADI-P ONON-P RENS-P STEU-C STLA-P TOMP-P WARR-P WASH-P WYOM-P YATE-P	G5T5	S1	E
Phacelia dubia var. dubia	Scorpion-weed	ONON-X	G5T5	SX	U
Phlox maculata var. maculata	Wild Sweet-william	BROO-P CATT-C CHAU-C CHEN-P DELA-P ERIE-? ESSE-P HAMI-P LEWI-C MADI-P ONEI-P ONON-? PUTN-C RENS-P SARA-P TOMP-P	G5T5	S1	E
Phlox pilosa var. pilosa	Downy Phlox	CHAU-? NIAG-X STLA-P	G5T5	SH	E
Physalis pubescens var. integrifolia	Ground-cherry	ALBA-P BRON-P COLU-C DUTC-C ERIE-P MONR-P NIAG-P ONEI-P ONON-P ORAN-C OSWE-P RICH-P SARA-P SUFF-P TIOG-? TOMP-P	G5T5?Q	S1	E



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<i>Physalis virginiana</i> var. <i>virginiana</i>	Virginia Ground-cherry	ALBA-P BRON-? ERIE-? KING-? MONR-P NASS-P ONEI-P ORAN-P RENS-P RICH-P SCHE-P SUFF-P WASH-P	G5T5	SH	E
<i>Pinguicula vulgaris</i>	Butterwort	CHAU-P DELA-P LIVI-C MONR-P TOMP-C WYOM-C	G5	S2	T
<i>Pinus echinata</i>	Shortleaf Pine	ALBA-? RICH-C SUFF-X WEST-?	G5	S1	U
<i>Pinus virginiana</i>	Virginia Pine	NASS-P ORAN-C RICH-C SUFF-? WEST-P	G5	S1	E
<i>Piptatherum canadense</i>	Canada Ricegrass	ESSE-P FRAN-C STLA-C	G5	S2	E
<i>Plantago cordata</i>	Heartleaf Plantain	ALBA-P BRON-P CAYU-P COLU-C DUTC-C ERIE-C GENE-P GREE-C NEWY-? ONON-? RENS-P ROCK-P ULST-C	G4	S3	T
<i>Plantago maritima</i> var. <i>juncoides</i>	Seaside Plantain	NASS-P NEWY-X ONON-X QUEE-C SUFF-C	G5T5	S2S3	T
<i>Platanthera ciliaris</i>	Orange Fringed Orchid	ALBA-P KING-X MADI-P MONR-P NASS-P NEWY-X ONEI-P ONON-P QUEE-X RENS-X RICH-P ROCK-? SCHE-? SENE-P SUFF-C WASH-P WEST-P YATE-P	G5	S1	E
<i>Platanthera cristata</i>	Crested Fringed Orchid	NASS-X QUEE-X SUFF-C	G5	S1	E
<i>Platanthera hookeri</i>	Hooker's Orchid	ALBA-P BROO-P CATT-P CAYU-P CHEM-P CHEN-P CLIN-P COLU-P CORT-P DELA-P DUTC-P ERIE-P ESSE-P FULT-P GENE-P GREE-P LIVI-P MONR-P NIAG-P ONEI-P ONON-P ONTA-P ORAN-P OSWE-P OTSE-? RENS-P SARA-P SCHE-C SCHO-P STLA-P SULL-P TIOG-P TOMP-P ULST-P WARR-C WASH-P WAYN-P WEST-P WYOM-P	G4	S1	E
<i>Platanthera leucophaea</i>	Eastern Prairie Fringed Orchid	GENE-P NIAG-P ONON-P ORLE-P OSWE-X WAYN-P	G2	SH	E
<i>Poa cuspidata</i>	Bluegrass	NEWY-P RICH-P YATE-P	G5	SH	E
<i>Poa glauca</i> ssp. <i>glauca</i>	White Bluegrass	ESSE-C	G5T5?	S1	E
<i>Poa laxa</i> ssp. <i>feraldiana</i>	Fernald's Bluegrass	ESSE-C	G5?T3	S1	E



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<i>Poa nemoralis</i> ssp. <i>interior</i>	Inland Bluegrass	ESSE-P	G5T4T5	SH	E
<i>Poa paludigena</i>	Slender Marsh Bluegrass	ALBA-C BRON-P CAYU-P CHEM-C CORT-C LEWI-P MONR-P TIOG-P TOMP-C WAYN-P	G3	S1	E
<i>Poa sylvestris</i>	Woodland Bluegrass	ALBA-C CAYU-P ERIE-P JEFF-C KING-C LIVI-P MONR-P NIAG-C ONON-P TOMP-P WYOM-P	G5	S1	E
<i>Podostemum ceratophyllum</i>	Riverweed	CLIN-C DELA-C ESSE-C FRAN-P JEFF-P ONEI-? ORAN-C STLA-C SULL-P ULST-C	G5	S2	T
<i>Polemonium vanbruntiae</i>	Jacob's-ladder	ALLE-P CHEN-C CORT-C DELA-C HERK-P LEWI-C MADI-P MONT-C ONON-P OTSE-C SCHO-C SULL-C TIOG-P ULST-C	G3	S3	R
<i>Polygala incarnata</i>	Pink Milkwort	NASS-X NEWY-X NIAG-X SUFF-X	G5	SX	U
<i>Polygala lutea</i>	Orange Milkwort	DUTC-P NASS-X QUEE-X RICH-X SUFF-C WASH-? WEST-?	G5	S1	E
<i>Polygala mariana</i>	Pink Milkwort	SUFF-X	G5	SX	U
<i>Polygonum buxiforme</i>	Small's Knotweed	ALBA-P CHAU-C ERIE-P LIVI-P MADI-P ONEI-P ONON-P RENS-C SCHE-P SUFF-C WARR-P WASH-P	G5	S1	E
<i>Polygonum careyi</i>	Carey's Smartweed	ALBA-C BRON-? CLIN-P DUTC-? FULT-P HERK-? KING-P ONON-P ORAN-C OSWE-? OTSE-? QUEE-P RENS-? ROCK-P SCHE-P SUFF-C ULST-C WARR-P	G4	S2	T
<i>Polygonum douglasii</i> ssp. <i>douglasii</i>	Douglas' Knotweed	ESSE-C JEFF-P SARA-P STLA-P ULST-P WARR-C WASH-C WEST-P	G5T5	S2	T
<i>Polygonum erectum</i>	Erect Knotweed	ALBA-P BRON-P CATT-P CAYU-P CHEM-P CHEN-P CORT-P DUTC-P ERIE-P GREE-P HERK-P JEFF-P KING-P LIVI-P MADI-P MONT-P NASS-P NIAG-P ONEI-P ONON-P ONTA-P OSWE-P QUEE-P RENS-P RICH-P SARA-P SCHE-P STLA-P SUFF-P SULL-P TOMP-P ULST-P WARR-P WASH-P WAYN-P WEST-P YATE-P	G5	SH	E



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<i>Polygonum glaucum</i>	Seabeach Knotweed	KING-C NASS-C QUEE-C SUFF-C WEST-P	G3	S3	R
<i>Polygonum setaceum</i>	Swamp Smartweed	ERIE-P MADI-P NASS-P NIAG-? ONEI-P ONON-P ORLE-P OSWE-P ROCK-P SARA-P SUFF-C TOMP-P ULST-P WAYN-C WYOM-P	G5	S1S2	E
<i>Polystichum lonchitis</i>	Northern Holly-fern	CATT-P	G5	SH	E
<i>Populus heterophylla</i>	Swamp Cottonwood	DUTC-C NASS-P NEWY-? PUTN-? RICH-C SUFF-C ULST-C	G5	S2	T
<i>Porteranthus stipulatus</i>	American Ipecac	BROO-? TOMP-X	G5	SX	U
<i>Potamogeton alpinus</i>	Northern Pondweed	CAYU-P CHEN-P CLIN-P CORT-P DELA-? ESSE-C FRAN-P HERK-P JEFF-P LEWI-P NIAG-P ONEI-P OSWE-P STLA-C TOMP-? WARR-C WASH-C	G5	S2	T
<i>Potamogeton diversifolius</i>	Water-thread Pondweed	CATT-C CORT-P ESSE-C FRAN-P FULT-P HAMI-P HERK-P KING-X NASS-P ONEI-P ONTA-P ORAN-C PUTN-P QUEE-P RENS-P RICH-P SUFF-P SULL-P WARR-P WASH-P WEST-P WYOM-C	G5	S1	E
<i>Potamogeton hillii</i>	Hill's Pondweed	COLU-P DUTC-P ESSE-C JEFF-C LEWI-C PUTN-? TOMP-P WARR-C WASH-C	G3	S2	T
<i>Potamogeton ogdenii</i>	Ogden's Pondweed	COLU-C CORT-P DUTC-C OSWE-C WASH-P	G1	S1	E
<i>Potamogeton pulcher</i>	Spotted Pondweed	BRON-P COLU-P DUTC-C KING-X NASS-P ORAN-C OSWE-C PUTN-C QUEE-P RICH-P ROCK-P SARA-P SUFF-C ULST-P WAYN-P WEST-C	G5	S2	T
<i>Potamogeton strictifolius</i>	Straight-leaf Pondweed	CAYU-P CLIN-P CORT-P DUTC-P ESSE-C JEFF-P MADI-P MONR-P ONEI-P ONON-P OTSE-P SENE-P STLA-P WARR-C WASH-? YATE-C	G5	S1	E
<i>Potentilla anserina</i> ssp. <i>egedii</i>	Silverweed	SUFF-C	G5T4T5	S2	T
<i>Potentilla paradoxa</i>	Bushy Cinquefoil	CAYU-P CHAU-C ERIE-? MONR-P NIAG-C WAYN-P	G5	S1	E



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<i>Prenanthes booti</i>	Boott's Rattlesnake-root	ESSE-C	G2	S1	E
<i>Prenanthes crepidinea</i>	Nodding Rattlesnake-root	CATT-P ERIE-P	G3G4	SH	E
<i>Prenanthes nana</i>	Dwarf Rattlesnake-root	ESSE-C	G5	S1	E
<i>Prenanthes racemosa</i> var. <i>racemosa</i>	Glaucous Rattlesnake-root	KING-X NASS-X ROCK-X WEST-?	G5T5	SX	U
<i>Primula mistassinica</i>	Bird's-eye Primrose	JEFF-C LEWI-C LIVI-C ONEI-C OSWE-C SCHU-P STEU-C TOMP-P WYOM-C YATE-P	G5	S2	T
<i>Proserpinaca pectinata</i>	Comb-leaved Mermaid-weed	KING-X NASS-X ORAN-P ROCK-P SUFF-C	G5	S2	T
<i>Prunus pumila</i> var. <i>depressa</i>	Dwarf Sand-cherry	BRON-X CLIN-C DELA-C ESSE-C HAMI-P JEFF-P LEWI-P ONEI-P ORAN-C SARA-C SULL-C WARR-C	G5T5	S2	T
<i>Prunus pumila</i> var. <i>pumila</i>	Low Sand-cherry	CLIN-C HAMI-C JEFF-C OSWE-C	G5T4	S1	E
<i>Pseudognaphalium helleri</i> ssp. <i>micradenium</i>	Catfoot	ONEI-? ROCK-? SUFF-P TOMP-?	G4G5T3?	SH	E
<i>Ptelea trifoliata</i> ssp. <i>trifoliata</i>	Wafer-ash	CATT-C CHAU-C CHEM-? ERIE-C LIVI-P MONR-P NIAG-P TOMP-? WYOM-P	G5T5	S1S2	E
<i>Pteridium aquilinum</i> var. <i>pseudocaudatum</i>	Southeastern Bracken	SUFF-P	G5T5	SH	U
<i>Pterospora andromedea</i>	Giant Pine-drops	ALBA-P CATT-P CHEM-P CLIN-P COLU-? CORT-P ERIE-P ESSE-P HERK-P LEWI-P LIVI-C MONR-P NIAG-P ONEI-P ONTA-P OSWE-P RENS-? SCHE-? SCHO-P TOMP-P WARR-P WASH-P WEST-? WYOM-P YATE-P	G5	S1	E
<i>Pycnanthemum clinopodioides</i>	Basil Mountain-mint	BRON-? NEWY-X RICH-? ROCK-C WEST-?	G2	S1	E
<i>Pycnanthemum muticum</i>	Blunt Mountain-mint	BRON-? CHAU-P MONR-P NEWY-? ORAN-C RENS-? RICH-P SUFF-C WASH-P WEST-P	G5	S2S3	T
<i>Pycnanthemum torrei</i>	Torrey's Mountain-mint	BRON-? DUTC-C NEWY-P RICH-C ROCK-C SUFF-? WEST-?	G2	S1	E



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<i>Pycnanthemum verticillatum</i> var. <i>verticillatum</i>	Whorled Mountain-mint	ALBA-? CHEN-? DELA-C GENE-P HERK-? MONR-? ONEI-C PUTN-? RENS-? RICH-? SARA-? STLA-? SUFF-C TOMP-? ULST-P	G5T5?	S1S2	T
<i>Pyrola asarifolia</i> ssp. <i>asarifolia</i>	Pink Wintergreen	ERIE-P ESSE-C GENE-P HERK-C JEFF-P LEWI-P MADI-P ONEI-P ONON-P OTSE-? RENS-? STLA-C WARR-C WAYN-P	G5T5	S2	T
<i>Pyrola minor</i>	Mountain Pyrola	ESSE-C	G5	S1	E
<i>Pyxidantha barbulate</i>	Pixies	SUFF-C	G4	S1	E
<i>Quercus phellos</i>	Willow Oak	QUEE-C RICH-C SUFF-X	G5	S1	E
<i>Quercus shumardii</i> var. <i>shumardii</i>	Shumard Oak	NIAG-C	G5T5	S1	U
<i>Ranunculus cymbalaria</i>	Seaside Crowfoot	CAYU-C ONON-X QUEE-P SENE-P SUFF-P WAYN-P	G5	S1	E
<i>Ranunculus hispidus</i> var. <i>nitidus</i>	Swamp Buttercup	BRON-P CATT-P CHAU-P COLU-P DELA-P KING-? ORAN-C ORLE-P RICH-P STLA-P SULL-C TOMP-P ULST-P WARR-P WYOM-P	G5T5	S1	E
<i>Ranunculus pusillus</i>	Spearwort	BROO-? NASS-X NEWY-? ONON-X RICH-X WEST-?	G5	SX	U
<i>Rhexia mariana</i> var. <i>mariana</i>	Meadow-beauty	KING-X QUEE-X SUFF-X	G5T5	SX	U
<i>Rhododendron canadense</i>	Rhodora	ESSE-P FRAN-C HERK-P LEWI-P ONEI-C ORAN-C PUTN-P RENS-X STLA-C ULST-C WARR-P	G5	S2	T
<i>Rhododendron lapponicum</i> var. <i>lapponicum</i>	Lapland Rosebay	ESSE-C	G5T5?	S1	E
<i>Rhynchospora cephalantha</i>	Capitate Beakrush	SUFF-X	G5	SX	U
<i>Rhynchospora chalarocephala</i>	Loose-headed Beakrush	SUFF-X	G5	SX	U
<i>Rhynchospora inundata</i>	Drowned Horned Rush	SUFF-C	G3G4	S2	T
<i>Rhynchospora nitens</i>	Short-beaked Bald-rush	SUFF-C	G4?	S2	T
<i>Rhynchospora pallida</i>	Pale Beakrush	SUFF-P	G3	SH	U
<i>Rhynchospora recognita</i>	Globe Beakrush	ORAN-X PUTN-X SUFF-X	G5?	SX	U
<i>Rhynchospora scirpoides</i>	Long-beaked Bald-rush	SUFF-C WEST-C	G4	S3	R



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<i>Rhynchospora torreyana</i>	Torrey's Beakrush	SUFF-X	G4	SX	E
<i>Rosa acicularis</i> ssp. <i>sayi</i>	Prickly Rose	CLIN-? ESSE-C GENE-P WARR-P WASH-C	G5T5	S1	E
<i>Rosa nitida</i>	Shining Rose	SUFF-C	G5	S1	E
<i>Rotala ramosior</i>	Tooth-cup	ALBA-? KING-? NASS-P ORAN-C PUTN-C QUEE-P RICH-P SUFF-C ULST-P	G5	S2	T
<i>Rubus chamaemorus</i>	Cloudberry	SUFF-X	G5	SX	U
<i>Rubus cuneifolius</i>	Sand Blackberry	RICH-P SUFF-P	G5	SH	E
<i>Rumex hastatulus</i>	Heart Sorrel	KING-P NASS-P ONON-? PUTN-? STLA-? SUFF-C	G5	S1	E
<i>Rumex maritimus</i>	Golden Dock	CAYU-P CHEM-P DELA-P ERIE-P GENE-P NASS-C NEWY-P QUEE-P SENE-P STEU-P SUFF-C TOMP-? WAYN-P	G5	S1	E
<i>Sabatia angularis</i>	Rose-pink	NEWY-X QUEE-X RICH-C WEST-P	G5	S1	E
<i>Sabatia campanulata</i>	Slender Marsh-pink	KING-? NASS-P NEWY-? ONON-X PUTN-P QUEE-? RICH-? SUFF-C	G5	S1	E
<i>Sabatia dodecandra</i> var. <i>dodecandra</i>	Large Marsh-pink	BRON-X KING-X NASS-X NEWY-X QUEE-X RICH-X ROCK-X	G5T4T5	SX	U
<i>Sabatia stellaris</i>	Sea-pink	KING-P NASS-C QUEE-X SUFF-C	G5?	S2	T
<i>Saccharum giganteum</i>	Giant Beardgrass	SUFF-X	G5	SX	U
<i>Sagina decumbens</i> ssp. <i>decumbens</i>	Small-flowered Pearlwort	NASS-? NEWY-? RICH-P SUFF-C	G5T5	S1	E
<i>Sagittaria montevidensis</i> var. <i>spongiosa</i>	Spongy Arrowhead	ALBA-P COLU-C DUTC-C GREE-C ORAN-C PUTN-C RICH-? ROCK-C ULST-C WEST-C	G5T4	S2	T
<i>Sagittaria teres</i>	Quill-leaf Arrowhead	SUFF-C	G3	S1	E
<i>Salicornia bigelovii</i>	Dwarf Glasswort	BRON-P NASS-P ONON-P QUEE-P RICH-P SUFF-C	G5Q	S2S3	T
<i>Salix cordata</i>	Sand Dune Willow	JEFF-C OSWE-C	G5	S2	E
<i>Salix herbacea</i>	Dwarf Willow	ESSE-C	G5	S1	E



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<i>Salix pyrifolia</i>	Balsam Willow	CLIN-P ESSE-C FRAN-C HAMI-P JEFF-C LEWI-C STLA-C	G5	S2S3	T
<i>Salix uva-ursi</i>	Bearberry Willow	ESSE-C	G5	S2	T
<i>Salvia lyrata</i>	Lyre-leaf Sage	ULST-P WEST-P	G5	SH	E
<i>Saxifraga aizoides</i>	Yellow Mountain-saxifrage	JEFF-C LIVE-C ONEI-C OSWE-C TOMP-C WYOM-C	G5	S2	T
<i>Saxifraga oppositifolia</i> ssp. <i>oppositifolia</i>	Purple Mountain-saxifrage	HAMI-C	G4G5T4T5	S1	E
<i>Saxifraga paniculata</i> ssp. <i>neogaea</i>	White Mountain-saxifrage	ESSE-C	G5T5?	S1	E
<i>Scheuchzeria palustris</i>	Pod Grass	ALBA-C ALLE-C CAYU-P COLU-P DUTC-P ERIE-C ESSE-C FRAN-C HAMI-P HERK-P MADI-C MONR-P ONEI-P ONON-P OSWE-C OTSE-? RENS-P SCHU-C STLA-C WARR-C WAYN-C	G5	S3	R
<i>Schizaea pusilla</i>	Curlygrass Fern	SUFF-C	G3	S1	E
<i>Schoenoplectus heterochaetus</i>	Slender Bulrush	CLIN-C ESSE-C FRAN-P JEFF-P MONR-P OSWE-P SCHU-P STEU-P STLA-P SUFF-P WASH-C WAYN-P	G5	S1	E
<i>Schwalbea americana</i>	Chaffseed	ALBA-X	G2	SX	U
<i>Scirpus ancistrochaetus</i>	Northeastern Bulrush	WASH-X	G3	SX	U
<i>Scirpus georgianus</i>	Georgia Bulrush	ALBA-C CATT-C ERIE-P ESSE-P GENE-C GREE-C NASS-P ORAN-C OSWE-P PUTN-C QUEE-P SUFF-P TOMP-P ULST-P WASH-P WEST-P	G5	S1	E
<i>Scirpus longii</i>	Long's Bulrush	QUEE-X	G2	SX	U
<i>Scleria minor</i>	Slender Nutrush	NASS-P RICH-? SUFF-C	G4	S1	E
<i>Scleria muehlenbergii</i>	Reticulate Nutrush	NASS-P SUFF-C	G5	S1	E
<i>Scleria pauciflora</i> var. <i>caroliniana</i>	Few-flowered Nutrush	DUTC-P MONR-? NASS-C QUEE-X SENE-P SUFF-C WEST-P	G5T4T5	S1	E
<i>Scleria triglomerata</i>	Whip Nutrush	ALBA-P BRON-P NASS-C NEWY-? ONEI-P ONTA-P QUEE-P RICH-P SUFF-C WARR-C WAYN-P	G5	S2	T



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<i>Scleria verticillata</i>	Low Nutrush	GENE-C MONR-C NASS-P ONTA-P QUEE-P SCHU-P SENE-C SUFF-?	G5	S1	E
<i>Scutellaria elliptica</i> var. <i>elliptica</i>	Hairy Skullcap	BRON-? DUTC-? KING-X NASS-X NEWY-X QUEE-X RICH-X WEST-X	G5T5?	SX	U
<i>Scutellaria incana</i> var. <i>incana</i>	Hoary Skullcap	CATT-P	G5T5	SH	E
<i>Scutellaria integrifolia</i>	Hyssop-skullcap	BRON-P NASS-P ORAN-C RICH-P ROCK-P SUFF-? ULST-C WEST-P	G5	S1	E
<i>Scutellaria nervosa</i>	Veined Skullcap	ALBA-? DUTC-X YATE-?	G5	SX	U
<i>Scutellaria serrata</i>	Showy Skullcap	BRON-X NEWY-X WEST-X	G4G5	SX	U
<i>Sedum integrifolium</i> ssp. <i>leedyi</i>	Leedy's Roseroot	SCHU-C YATE-C	G5T1	S1	E
<i>Sedum rosea</i>	Roseroot	GREE-C MADI-C ORAN-C ULST-C	G5	S1	E
<i>Sedum telephioides</i>	Live-forever	DELA-? DUTC-P FULT-P ONEL-P SUFF-P WASH-P WEST-P	G4	SH	E
<i>Sericocarpus linifolius</i>	Flax-leaf Whitetop	BRON-X NASS-C NEWY-P QUEE-X RICH-P SUFF-C WEST-X	G5	S2	T
<i>Sesuvium maritimum</i>	Sea Purslane	ONON-X SUFF-C	G5	S1	E
<i>Sisyrinchium mucronatum</i>	Michaux's Blue-eyed-grass	BROO-P CHEM-C DELA-P ERIE-P HERK-P MONR-P ONTA-P ORAN-P OTSE-P RENS-P RICH-P STEU-P STLA-C SUFF-C SULL-P TOMP-P WEST-P	G5	S1	E
<i>Smallanthus uvedalius</i>	Bear's-foot	CAYU-P CHAU-? ERIE-P ONON-? ONTA-P TOMP-P YATE-P	G4G5	SH	E
<i>Smilax pseudochina</i>	False China-root	KING-P NASS-C RICH-P	G4G5	S1	E
<i>Smilax pulverulenta</i>	Jacob's-ladder	BRON-C NEWY-P RICH-C WEST-P	G4G5	S1	E
<i>Solidago latissimifolia</i>	Coastal Goldenrod	BRON-? NASS-P QUEE-X RICH-? SUFF-C WEST-?	G5	S1	E
<i>Solidago multiradiata</i> var. <i>arctica</i>	Alpine Goldenrod	ESSE-C FRAN-P	G5T4	S2	T
<i>Solidago sempervirens</i> var. <i>mexicana</i>	Seaside Goldenrod	BRON-P DUTC-P KING-P NASS-P RICH-P SUFF-C WEST-P	G5T5?	S1	E
<i>Solidago simplex</i> var. <i>racemosa</i>	Mountain Goldenrod	ESSE-C WASH-P	G5T4?	S1	E
<i>Solidago simplex</i> var. <i>randii</i>	Mountain Goldenrod	ESSE-C HAMI-C HERK-C WASH-C	G5T4	S2	T



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Sparganium natans	Small Bur-reed	ALBA-P CAYU-P CHEN-P CLIN-P CORT-P DUTC-? ESSE-P FRAN-P GREE-? HAMI-C JEFF-C LEWI-C MONR-P ONON-X OSWE-P SENE-P STLA-C TIOG-P TOMP-P WARR-C WASH-C	G5	S2	T
Spergularia canadensis var. canadensis	Northern Sand-spurry	BRON-X RICH-? SUFF-X	G5T5	SX	U
Sphenopholis obtusata	Prairie Wedgegrass	BRON-P CHEM-P JEFF-C NASS-P SUFF-P ULST-P	G5	S1	E
Sphenopholis pensylvanica	Swamp Oats	BRON-P DELA-P DUTC-? HERK-P MONR-P NEWY-P NIAG-P QUEE-P RICH-P SUFF-C TOMP-P ULST-C YATE-?	G4	S1	E
Spiraea septentrionalis	Mountain Meadow-sweet	ESSE-C	G2?	S1	E
Spiranthes vernalis	Spring Ladies'-tresses	BRON-P DUTC-? NASS-P RICH-P SUFF-C	G5	S1	E
Sporobolus clandestinus	Rough Rush-grass	NASS-P QUEE-C SUFF-C WARR-C WEST-?	G5	S1	E
Sporobolus heterolepis	Northern Dropseed	ALBA-P GREE-P JEFF-C WARR-C	G5	S2	T
Stachys hyssopifolia	Rough Hedge-nettle	ALBA-P BROO-P KING-P NASS-P QUEE-P RICH-X SCHE-P SUFF-C	G5	S2	T
Stellaria longipes	Starwort	JEFF-C RENS-? RICH-?	G5	S2	T
Strophostyles umbellata	Pink Wild Bean	KING-X NASS-P QUEE-X RICH-P SUFF-P WAYN-P	G5	SH	E
Stuckenia filiformis ssp. alpina	Slender Pondweed	CAYU-C CHAU-P CHEM-P ERIE-P JEFF-P LIVI-P MADI-P NIAG-P ONTA-P SENE-P STLA-P TOMP-P	G5T5	S1	E
Stuckenia filiformis ssp. occidentalis	Sheathed Pondweed	CHAU-P CHEM-P CORT-P ERIE-? GENE-P JEFF-P MADI-P MONR-P NIAG-P ONON-C OSWE-P SENE-P STLA-P TOMP-P	G5T5	S1	E
Stylosanthes biflora	Pencil-flower	NASS-X NEWY-X RICH-X SUFF-X WEST-?	G5	SX	U
Suaeda linearis	Narrow-leaf Sea-blite	BRON-P NASS-P QUEE-C RICH-P STLA-P SUFF-C WEST-P	G5	S1	E



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<i>Suaeda rolandii</i>	Roland's Sea-blite	KING-C NASS-P QUEE-C SUFF-C	G1G2Q	S1	E
<i>Subularia aquatica</i> var. <i>americana</i>	Water Awlwort	ESSE-P FRAN-P HAMI-P WARR-C WASH-P	G5T5	S1S2	E
<i>Symphotrichum boreale</i>	Northern Bog Aster	CAYU-C CLIN-P COLU-? CORT-P DELA-P DUTC-C ERIE-P ESSE-P FRAN-P GENE-P GREE-? HERK-P JEFF-P LEWI-C MADI-P MONR-C NASS-P NEWY-P ONON-P OSWE-C OTSE-P SCHU-P SENE-? STLA-C SUFF-? SULL-? TIOG-P TOMP-P WARR-P WAYN-C WEST-P	G5	S2	T
<i>Symphotrichum ciliolatum</i>	Lindley's Aster	JEFF-C ONON-P STLA-P WASH-P WAYN-P	G5	S1	E
<i>Symphotrichum concolor</i>	Silvery Aster	KING-X NASS-X QUEE-X RICH-P SUFF-C	G4?	S1	E
<i>Symphotrichum laeve</i> var. <i>concinnum</i>	Smooth Blue Aster	ALBA-P CHEM-P GREE-P MONR-? ULST-P WASH-P	G5T4	SH	E
<i>Symphotrichum lanceolatum</i> var. <i>interior</i>	Tall White Aster	BRON-P CATT-P CAYU-P CHEM-P ERIE-? MADI-P OTSE-P STLA-P TOMP-P WAYN-P	G5T5	SH	E
<i>Symphotrichum novi-belgii</i> var. <i>villicaule</i>	Long-leaf Bog Aster	BRON-P DUTC-? ERIE-P ESSE-P FRAN-P HAMI-C HERK-P MADI-P MONR-? ONEI-P ONON-? RICH-? SCHE-? STLA-P SUFF-? SULL-P WARR-P WEST-?	G5T4	S1	U
<i>Symphotrichum oolentangiense</i> var. <i>oolentangiense</i>	Sky-blue Aster	CATT-P ERIE-P LIVI-C MONR-P NIAG-C ONEI-P OSWE-P	G5T5	S1	E
<i>Symphotrichum subulatum</i>	Saltmarsh Aster	BRON-P KING-X NASS-P ONON-C PUTN-C QUEE-C RICH-P ROCK-C SUFF-C WEST-P	G5	S2	T
<i>Thalictrum venulosum</i>	Veiny Meadow-rue	CLIN-C ESSE-C	G5	S1	E
<i>Thaspium barbinode</i>	Meadow-parsnip	CATT-P CHEM-P ERIE-P GENE-P NIAG-P SCHO-? STEU-P TIOG-P ULST-C	G5	S1	U
<i>Thaspium trifoliatum</i> var. <i>aureum</i>	Purple Meadow-parsnip	BRON-? CHEM-? DUTC-? GREE-X MONR-X ONTA-X ORAN-? RICH-X TOMP-X ULST-X WEST-X	G5T5	SX	U



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<i>Tilia americana</i> var. <i>heterophylla</i>	White Basswood	BROO-? CAYU-P CHEM-? LIVI-P MONR-P ONON-P ONTA-P TOMP-P	G5T5	SH	U
<i>Tipularia discolor</i>	Crane-fly Orchid	MONR-P NEWY-P ONON-? RICH-P SUFF-C	G4G5	S1	E
<i>Triantha glutinosa</i>	Sticky False Asphodel	ERIE-P GENE-C ONON-P SARA-P WARR-C	G5	S1	E
<i>Trichomanes intricatum</i>	Appalachian Trichomanes	CATT-C GREE-P SCHO-P ULST-P WEST-P	G3G4	S1	E
<i>Trichophorum cespitosum</i>	Deer's Hair Sedge	ESSE-C GENE-C MONR-P	G5	S2	T
<i>Trichophorum clintonii</i>	Clinton's Clubrush	ERIE-P HAMI-P LEWI-P SARA-P STLA-P WARR-C	G4	S1	E
<i>Trichostema setaceum</i>	Tiny Blue-curls	NASS-P RICH-P SUFF-P WEST-?	G5	SH	E
<i>Triglochin palustre</i>	Marsh Arrow-grass	BRON-P CAYU-P DUTC-? ERIE-? GENE-C HERK-? LIVI-C MADI-C MONR-C NIAG-? ONEI-P ONON-C ONTA-P ORAN-? RENS-? SENE-C WAYN-P	G5	S2	T
<i>Trillium flexipes</i>	Nodding Trillium	CATT-P CHEN-P ERIE-P GENE-C MONR-C WAYN-P	G5	S1	E
<i>Trillium sessile</i>	Toad-shade	CHAU-C MONR-C	G4G5	S1	E
<i>Triosteum angustifolium</i>	Narrow-leaf Feverwort	CORT-X NASS-X	G5	SX	U
<i>Triphora trianthophora</i>	Nodding Pogonia	ALBA-P CAYU-C ERIE-C MONR-P NEWY-P ONEI-P ONON-P OTSE-P RENS-? RICH-P ROCK-P SARA-P SCHE-? SENE-P TOMP-P ULST-C WARR-P WASH-P WAYN-P	G3G4	S2	E
<i>Tripsacum dactyloides</i>	Northern Gamma Grass	BRON-C KING-X NASS-C NEWY-P NIAG-C ORAN-P QUEE-C RICH-C ROCK-P SUFF-C WEST-P	G5	S2	T
<i>Trisetum melicoides</i>	Melic-oats	CLIN-C ESSE-C	G4	S1	E



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Trollius laxus	Spreading Globeflower	BRON-P CAYU-C CHAU-P CORT-C	G4T3	S3	R
		ERIE-P GENE-C HERK-C LIVI-P			
		MADI-C MONR-P ONEI-P ONON-P			
		ONTA-C ORAN-P OTSE-P PUTN-C			
		QUEE-? ROCK-X SCHE-X SCHU-P			
		SENE-P SULL-P TOMP-C ULST-P			
		WEST-? WYOM-C			
Ulmus thomasii	Cork Elm	BROO-? CAYU-P CHEN-P CLIN-?	G5	S2S3	T
		CORT-P ERIE-C GENE-P GREE-P			
		HERK-P JEFF-C LEWI-C MADI-P			
		MONR-P NIAG-C ONEI-P ONON-C			
		SARA-? SCHE-P SCHO-P STLA-C			
		TOMP-P WARR-P WYOM-P YATE-P			
Utricularia inflata	Swollen Bladderwort	ORAN-C	G5	S1	E
Utricularia juncea	Rush Bladderwort	NASS-P SUFF-C ULST-P	G5	S2	T
Utricularia radiata	Small Floating Bladderwort	ALBA-P HAMI-C NASS-P ONON-X	G4	S2	T
		ORAN-C QUEE-P SUFF-C SULL-C			
		WARR-C WEST-C			
Utricularia striata	Fibrous Bladderwort	NASS-? SUFF-C	G4G5	S2	T
Uvularia puberula	Mountain Bellwort	SUFF-C	G5	S1	E
Vaccinium boreale	High-mountain Blueberry	CLIN-P ESSE-C FRAN-P GENE-P HAMI-P	G4	S2	E
Vaccinium caespitosum	Dwarf Blueberry	ESSE-C ONEI-? WARR-P	G5	S1	E
Vahlodea atropurpurea	Mountain Hairgrass	ESSE-X	G5	SX	U
Valeriana uliginosa	Marsh Valerian	ALBA-P CHEM-P COLU-C DUTC-P	G4Q	S1S2	E
		GENE-C HERK-C LEWI-P MADI-P			
		MONR-C NIAG-P ONEI-P ONON-P			
		ONTA-? OTSE-? WASH-P WAYN-P			
Valerianella chenopodiifolia	Goosefoot Corn-salad	BROO-? CHEN-P ERIE-P GENE-P	G5	S1	E
		MONR-C NIAG-? ONEI-P ONON-P			
		TIOG-? WAYN-?			
Valerianella umbilicata	Corn-salad	CHEN-P GREE-P ONEI-P RENS-P	G3G5	SH	E
Vernonia gigantea	Tall Ironweed	CATT-P CHAU-C HERK-P LEWI-?	G5	S1	E
		MONR-? ONEI-P ULST-P WAYN-?			



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Veronicastrum virginicum	Culver's-root	ALBA-P ALLE-P BRON-P BROO-P CATT-P CAYU-P CHEM-C COLU-C DELA-P DUTC-C ERIE-P HERK-P KING-X LIVI-C MONR-C NASS-P ONTA-P ORAN-C OSWE-P PUTN-C QUEE-X RENS-C RICH-P ROCK-P SARA-P SCHO-P SCHU-P SENE-P STEU-P SULL-P TIOG-P TOMP-P ULST-C WASH-P WEST-P WYOM-P	G4	S2	T
Viburnum dentatum var. venosum	Southern Arrowwood	BRON-P COLU-X ORAN-P SUFF-C WEST-P	G5T4T5	S2	T
Viburnum edule	Squashberry	ESSE-C HERK-? ULST-P	G5	S2	T
Viburnum nudum var. nudum	Possum-haw	DUTC-P KING-X NASS-P NIAG-P ONON-P QUEE-X RICH-C SUFF-C WEST-P	G5T5	S1	E
Viola bicolor	Field Pansy	DUTC-P ERIE-P MONR-? NIAG-C	G5	S1	U
Viola brittoniana	Coast Violet	BRON-X NASS-X QUEE-X RICH-P ROCK-? SUFF-C WEST-P	G4G5	S1	E
Viola hirsutula	Southern Wood Violet	ALBA-P CHEM-P RENS-P RICH-P SUFF-P TIOG-P ULST-P WEST-P	G4	SH	E
Viola nephrophylla	Northern Bog Violet	ALBA-P DELA-? ERIE-P ESSE-P FRAN-? GENE-C HAMI-P HERK-P JEFF-? MADI-P MONR-P ONEI-? ONON-P OTSE-? RENS-P ROCK-P SENE-C STLA-P TOMP-? WASH-P WAYN-? WYOM-P	G5	S1	E
Viola novae-angliae	New England Violet	WARR-C	G4Q	S1	E
Viola primulifolia	Primrose-leaf Violet	BRON-P NASS-C NEWY-? QUEE-P RICH-C STLA-P SUFF-C SULL-P ULST-P WEST-P	G5	S2	T
Vitis vulpina	Winter Grape	BRON-P NEWY-P TIOG-P WEST-C	G5	S1	E
Vittaria appalachiana	Appalachian Shoestring Fern	CATT-C CHAU-C ULST-C	G4	S1	E
Woodsia alpina	Alpine Cliff Fern	ESSE-C ULST-C	G4	S1	E
Woodsia glabella	Smooth Cliff Fern	ESSE-C GREE-P HAMI-C HERK-P	G5	S1	E
Woodsia oregana ssp. cathcartiana	Oregon Woodsia	ONTA-X	G5T5	SX	U



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<i>Xyris smalliana</i>	Large Yellow-eyed-grass	NASS-X ORAN-P SUFF-C WEST-C	G5	S2	U
<i>Zigadenus elegans</i> ssp. <i>glaucus</i>	White Camas	GENE-C JEFF-C LIVI-? MADI-P MONR-P NIAG-C ONON-P STLA-C WYOM-C	G5T4T5	S2	T
<i>Zigadenus leimanthoides</i>	False Camas	NASS-X SUFF-X	G4Q	SX	U



Notes



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<i>Agalinis fasciculata</i>	Fascicled False Foxglove	NASS-C RICH-C SUFF-C	G5	S3	R
<i>Agalinis paupercula</i> var. <i>borealis</i>	Northern False Foxglove	CAYU-P CLIN-P ERIE-C JEFF-P MONR-P OSWE-C STLA-C WASH-P	G5T2T4	S3	T
<i>Agrimonia parviflora</i>	Swamp Agrimony	ALBA-P BRON-P CHAU-C COLU-C DUTC-C ERIE-C GENE-C MONR-C NEWY-? ORAN-C PUTN-C RENS-P RICH-P ROCK-P SCHE-P STEU-C SUFF-? SULL-C TOMP-P ULST-C WEST-C	G5	S3	U
<i>Betula nigra</i>	River Birch	BRON-P CHEM-P DUTC-P GREE-P NIAG-P ONON-P ORAN-C QUEE-C RICH-C SUFF-C SULL-C ULST-C WEST-C	G5	S3	U
<i>Calamagrostis pickeringii</i>	Pickering's Reedgrass	ESSE-C FRAN-P HAMI-C HERK-C NASS-C STLA-C SUFF-C WARR-C	G4	S3	U
<i>Cardamine douglassii</i>	Purple Cress	ALBA-P BRON-P CAYU-C CHAU-P CHEM-P DELA-P DUTC-P ERIE-C ESSE-P GENE-P LIVI-P MADI-P MONR-P NIAG-C ONON-P ONTA-C ORLE-P PUTN-P TOMP-C ULST-P WYOM-C YATE-P	G5	S3	U
<i>Carex albicans</i> var. <i>emmonsii</i>	Emmons' Sedge	BRON-P CAYU-P DUTC-P GREE-C MONR-? NASS-P NEWY-P ONEI-? ONON-P ORAN-C OSWE-P PUTN-C QUEE-P ROCK-C STLA-P SUFF-C TOMP-P ULST-C WEST-P YATE-P	G5T5	S3	U
<i>Carex bicknellii</i> var. <i>bicknellii</i>	Bicknell's Sedge	ALBA-C BRON-C COLU-P DUTC-C FULT-P NASS-P ORAN-C PUTN-C RENS-C ROCK-C SARA-P SCHE-P TOMP-P WARR-P WEST-C	G5T5	S3	T
<i>Carex bushii</i>	Bush's Sedge	ALBA-P BRON-C COLU-C DUTC-C FULT-C GREE-C ONEI-C ORAN-C PUTN-C RENS-C ROCK-C SCHE-P SUFF-C ULST-C WASH-C WEST-C YATE-?	G4	S3	U



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Carex cryptolepis	Northeastern Sedge	ALBA-C CAYU-C CHAU-C CHEM-C	G4	S3	U
		CLIN-C COLU-C DUTC-P ERIE-C			
		ESSE-C FRAN-C GENE-C HAMI-C			
		JEFF-C LEWI-P MADI-C MONR-C			
		NIAG-P ONEI-C ONON-C OSWE-C			
		OTSE-C SARA-C SCHE-C STLA-C			
		TIOG-C ULST-C WARR-C WASH-C			
		WEST-C			
Carex debilis var. debilis	White-edge Sedge	HAMI-C NASS-C ONEI-C SUFF-C	G5T5	S3	U
Carex hitchcockiana	Hitchcock's Sedge	ALBA-C CAYU-C CHAU-? CLIN-C	G5	S3	T
		DUTC-P ERIE-P ESSE-P GENE-P			
		JEFF-P MADI-P MONR-P MONT-P			
		NEWY-P ONEI-P ONON-C ONTA-P			
		ORLE-? RENS-C SARA-? SCHE-P			
		SCHU-? SENE-P STLA-C TOMP-P			
		ULST-P WARR-P WASH-C WAYN-P			
		YATE-P			
Carex muehlenbergii var. enervis	Muhlenberg's Sedge	ALBA-P BRON-P CAYU-? CHEM-?	G5T5	S3	U
		DUTC-? MONR-? NASS-P NEWY-P			
		ONEI-P ORAN-P PUTN-P QUEE-P			
		RICH-? SUFF-P TIOG-P TOMP-P			
		WASH-? WEST-P			
Carex oligosperma	Few-seed Sedge	ALLE-C CATT-C CHAU-P ERIE-P	G4	S3	U
		ESSE-P FRAN-C HAMI-P HERK-P			
		LEWI-P ONEI-C RENS-P STLA-C			
Carex seorsa	Weak Stellate Sedge	BRON-P CATT-P DUTC-C ERIE-P	G4	S3	T
		MADI-P NASS-P ONEI-P ONON-C			
		ONTA-P ORAN-C OSWE-C PUTN-C			
		RENS-P RICH-P ROCK-C SUFF-C			
		ULST-C WEST-P			
Carex striata var. brevis	Walter's Sedge	NASS-P SUFF-C	G4T4?	S3	U
Carex willdenowii	Willdenow's Sedge	BRON-P CAYU-P COLU-P DUTC-C	G5	S3	T
		GENE-C JEFF-P LIVI-C ONON-C			
		ORAN-C ROCK-? STEU-P SUFF-P			
		TOMP-C WYOM-C YATE-P			
Ceratophyllum echinatum	Prickly Hornwort	COLU-P DELA-C DUTC-C ESSE-P	G4?	S3	T
		FRAN-P JEFF-C ONEI-P ORAN-C			
		OSWE-P RICH-P STLA-C SUFF-P			
		SULL-P TOMP-P ULST-C WARR-P			
		WEST-C YATE-P			



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<i>Clintonia umbellulata</i>	Speckled Woodlily	ALLE-P CATT-C CHAU-P ERIE-P LIVI-P WYOM-C	G5	S3	U
<i>Corydalis flavula</i>	Yellow Harlequin	DUTC-C GENE-P NASS-P ONEI-? ONON-P ONTA-P ORAN-C PUTN-C ROCK-C ULST-C WEST-C YATE-?	G5	S3	U
<i>Cuscuta pentagona</i> var. <i>pentagona</i>	Five-angled Field-dodder	BRON-P ERIE-P HERK-P KING-C MONR-? NASS-C NEWY-C NIAG-C ONON-? ONTA-P ORAN-C PUTN-C QUEE-C ROCK-C STLA-? SUFF-C	G5T5	S3	U
<i>Cyperus erythrorhizos</i>	Red-rooted Flatsedge	ALBA-C BRON-P CAYU-P CHAU-C CHEM-C COLU-P ERIE-P MONR-C NASS-C NEWY-C ONEI-P ORAN-C PUTN-C QUEE-C ROCK-P SARA-C SCHE-C SENE-? SUFF-C TOMP-P ULST-C WAYN-P WEST-P	G5	S3	U
<i>Cyperus houghtonii</i>	Houghton's Umbrella-sedge	ALBA-C CHEM-P CLIN-C ESSE-C JEFF-C LEWI-C LIVI-P PUTN-P SARA-C SCHE-P STEU-P SUFF-C WARR-P WASH-C WEST-?	G4?	S3	U
<i>Cyperus odoratus</i>	Rusty Flatsedge	ALBA-C BRON-P CAYU-P CHAU-C COLU-P ERIE-P GREE-C JEFF-C MONR-C NASS-C NIAG-P ONEI-P ONON-C ORAN-C QUEE-P RENS-P RICH-C ROCK-C SARA-P SCHU-P STLA-C SUFF-C ULST-P WAYN-P WEST-P	G5	S3	U
<i>Dichanthelium boreale</i>	Northern Panic Grass	ALBA-P CORT-P ERIE-P ESSE-C GREE-P HAMI-P HERK-P JEFF-P LEWI-P ONEI-P OSWE-P SCHE-P SCHU-P STLA-C SULL-P WARR-C WASH-P	G5	S3	U
<i>Drosera filiformis</i>	Dew-thread	SUFF-C	G4G5	S3	R
<i>Eleocharis melanocarpa</i>	Black-fruited Spikerush	RICH-? SUFF-C	G4	S3	U
<i>Eleocharis robbinsii</i>	Robbins Spikerush	ESSE-P FULT-C JEFF-C LEWL-C ORAN-? OSWE-P STLA-C SUFF-C	G4G5	S3	U
<i>Fuirena pumila</i>	Dwarf Umbrella-sedge	NASS-C ORAN-C SUFF-C WEST-P	G4	S3	R
<i>Heteranthera reniformis</i>	Kidneyleaf Mud-plantain	ALBA-C COLU-C DUTC-C GREE-C ORAN-P RENS-C SUFF-C ULST-C	G5	S3	U



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Hydrocotyle umbellata	Water-pennywort	ONON-P OSWE-P ROCK-P SUFF-C TOMP-? WEST-?	G5	S3	U
Hypericum ascyron	Great St. John's-wort	ALBA-P BROO-P CATT-C CHEM-P CHEN-? COLU-C CORT-P DELA-C DUTC-? ERIE-C GENE-? HERK-? JEFF-P MONR-? NIAG-? ONEI-P ONON-? ORAN-P OSWE-P PUTN-? RENS-? SCHE-P STEU-P STLA-C SULL-C TIOG-P TOMP-P WARR-C WASH-P WEST-?	G4	S3	U
Isanthus brachiatus	False-pennyroyal	ALBA-C COLU-P DUTC-P JEFF-C NIAG-P RENS-C STLA-C ULST-P	G5	S3	U
Isoetes lacustris	Large-spored Quillwort	COLU-P ESSE-C GREE-P HERK-P ONEI-? WARR-C WASH-?	G5	S3	R
Juglans cinerea	Butternut	ALBA-P ALLE-P BRON-P CATT-P CAYU-P CHAU-C CHEM-P CLIN-P COLU-P DELA-P DUTC-P ERIE-P ESSE-P GENE-P GREE-P HAMI-P JEFF-P LEWI-P LIVI-P MADI-P NASS-P NIAG-P ONEI-P ONON-P ONTA-P ORAN-C OSWE-P OTSE-P PUTN-C QUEE-P RENS-C RICH-P ROCK-C SARA-P SCHE-C SCHO-P SCHU-P STEU-P STLA-P SUFF-C SULL-P TIOG-P TOMP-P ULST-P WARR-P WASH-P WEST-C WYOM-P	G4	S4	U
Lathyrus ochroleucus	Creamy Wild-pea	ALLE-P BROO-? CATT-C CAYU-? CHAU-P CHEM-C CLIN-C ERIE-P GENE-C JEFF-C LIVI-C MONR-? NIAG-P ONON-? ONTA-P ORAN-P SCHU-? SENE-? STLA-P TIOG-P TOMP-P WYOM-C YATE-?	G4G5	S3	U
Lechea racemulosa	Illinois Pinweed	NASS-C NEWY-P ORAN-C PUTN-C QUEE-? RICH-? ROCK-C SUFF-C WEST-?	G5	S3	R
Lespedeza repens	Trailing Bush-clover	BRON-P CHEM-P NASS-C RICH-C SARA-P SUFF-C TOMP-? ULST-P WEST-P	G5	S3	R



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Scientific Name	Common Name	Counties of Occurrence	Global Rank	State Rank	State Status
Lespedeza violacea	Violet Bush-clover	ALBA-C BRON-P CAYU-P CHEM-P CHEN-? COLU-P DUTC-C JEFF-P LIVI-C MONR-? NASS-? ONON-? ONTA-C ORAN-C QUEE-P RENS-C RICH-? ROCK-C SARA-P SCHE-? SCHO-? SUFF-C TIOG-? TOMP-P ULST-C WEST-P WYOM-C YATE-?	G5	S3	R
Limosella australis	Mudwort	ALBA-P COLU-P DUTC-P GREE-P ORAN-C PUTN-P QUEE-? ROCK-C SUFF-C ULST-P WEST-C	G4G5	S3	R
Linum striatum	Stiff Yellow Flax	BRON-? CHAU-C NASS-C ORAN-P RICH-P SUFF-C WARR-C WEST-C	G5	S3	R
Lobelia nuttallii	Nuttall's Lobelia	ALBA-P NASS-X QUEE-X SUFF-C ULST-C	G4G5	S3	R
Luzula bulbosa	Hairy Woodrush	ORAN-? SUFF-C ULST-C WARR-C	G5	S3	U
Luzula echinata	Spiny Woodrush	BRON-P DUTC-P MONR-P NIAG-P ONEI-? ONON-? ORAN-? ROCK-P SUFF-C TOMP-P ULST-?	G5	S3	U
Megalodonta beckii var. beckii	Water-marigold	ALBA-P CAYU-P CHAU-P CLIN-P COLU-P CORT-P ERIE-P ESSE-C FRAN-P FULT-P GENE-? HERK-P JEFF-P LEWI-C LIVI-P MADI-P NIAG-? ONEI-P ONON-P ORAN-C OSWE-P OTSE-P RENS-? SARA-P SCHU-P SENE-P STEU-P STLA-C WARR-C WASH-P WAYN-P WEST-P WYOM-P	G4G5T4	S3	T
Mimulus alatus	Winged Monkeyflower	BRON-C DUTC-C GENE-C NIAG-C ORAN-C ORLE-C RICH-C ULST-C WEST-C	G5	S3	R
Minuartia caroliniana	Pine-barren Sandwort	RICH-? SUFF-C	G5	S3	R
Minuartia groenlandica	Mountain Sandwort	ESSE-C HAMI-C ULST-C	G5	S3	U
Oclemena nemoralis	Bog Aster	ESSE-C FRAN-P HAMI-C HERK-C LEWI-P RENS-C RICH-? STLA-C SUFF-C TIOG-C WARR-? WEST-?	G5	S3	U
Oligoneuron album	Upland Goldenrod	ALBA-P JEFF-C MONR-P NIAG-C RENS-C SARA-C STLA-C WASH-C	G5	S3	U



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<i>Panicum amarum</i>	Bitter Panic Grass	QUEE-C RICH-C SUFF-C	G5	S3	U
<i>Phragmites australis</i> ssp. 1	Native Phragmites	JEFF-C STLA-C WASH-?	G5T4	S3	U
<i>Pinus banksiana</i>	Jack Pine	CLIN-C ESSE-P HAMI-P ONEI-? ORAN-C STLA-P WARR-P	G5	S3	R
<i>Polygonum tenue</i>	Slender Knotweed	ALBA-C BRON-P COLU-C DUTC-P ESSE-P GREE-P NASS-P ONON-P ORAN-C QUEE-P RENS-C RICH-C ROCK-C SARA-C SCHE-P SCHO-P SUFF-C ULST-C WASH-? WEST-P	G5	S3	R
<i>Potamogeton confervoides</i>	Algae-like Pondweed	ESSE-C HAMI-C HERK-C NASS-P RENS-C SARA-P STLA-P SUFF-P SULL-P WARR-P	G4	S3	T
<i>Quercus marilandica</i> var. <i>marilandica</i>	Blackjack Oak	KING-C NASS-C RICH-C SUFF-C	G5T4T5	S3	U
<i>Ranunculus micranthus</i>	Small-flowered Crowfoot	BRON-P COLU-C ONEI-P ORAN-C PUTN-? RENS-P ROCK-C SUFF-P ULST-P WEST-P	G5	S3	T
<i>Rhynchospora macrostachya</i>	Tall Horned Rush	SUFF-C	G4	S3	U
<i>Sagittaria subulata</i>	Strap-leaf Arrowhead	ALBA-P COLU-C DUTC-C GREE-C ORAN-C RENS-? ROCK-C ULST-C WEST-C	G4	S3	U
<i>Scleria reticularis</i>	Reticulated Nutrush	GENE-P NASS-X QUEE-X SUFF-C WEST-?	G4	S3	U
<i>Scutellaria parvula</i> var. <i>parvula</i>	Small Skullcap	ESSE-C JEFF-C NIAG-C ULST-C	G4T4	S3	U
<i>Silene caroliniana</i> var. <i>pennsylvanica</i>	Wild Pink	BRON-C CAYU-? COLU-P DUTC-? NASS-C NEWY-C ONON-? QUEE-P RENS-? RICH-P ROCK-? SCHE-? SUFF-C WEST-C	G5T4	S3	V
<i>Symphotrichum ontarionis</i>	Ontario Aster	CHEM-? CLIN-C FRAN-C JEFF-C LEWI-C NIAG-? OSWE-? STLA-C	G5	S3	U
<i>Symphotrichum tenuifolium</i>	Slender Saltmarsh Aster	BRON-P KING-P NASS-P ONON-? QUEE-P RICH-P SUFF-C WEST-P	G5	S3	U



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Utricularia geminiscapa	Hiddenfruit Bladderwort	CATT-P DELA-P DUTC-C ESSE-C	G4G5	S3	U
		FRAN-? HAMI-C HERK-C JEFF-C			
		LEWI-C NASS-? ONEI-? ONTA-?			
		OSWE-P PUTN-C RICH-C SARA-P			
		SENE-P STLA-C SUFF-C			
Utricularia minor	Lesser Bladderwort	CATT-C CAYU-C CHAU-P CLIN-?	G5	S3	T
		COLU-P DUTC-C ESSE-P GENE-?			
		HAMI-C HERK-P LEWI-C MADI-P			
		MONR-P ONEI-P ORAN-P OSWE-C			
		RENS-P ROCK-P SARA-? SCHE-P			
		SENE-C STLA-C SUFF-P TIOG-P			
		WAYN-? WEST-C			
Utricularia subulata	Zigzag Bladderwort	ORAN-? RICH-C SUFF-C	G5	S3	U
Vaccinium uliginosum	Bog Bilberry	ESSE-C	G5	S3	R
Veronica peregrina ssp. xalapensis	Neckweed	ALBA-C CATT-C CAYU-C CLIN-C	G5T5	S3	U
		JEFF-C NIAG-C SCHE-C STLA-C			



Notes



2004 Rare Plant Status List - Phenology

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<i>Acalypha virginica</i>												F	R	R	R			
<i>Aconitum noveboracense</i>								F	F	F	F	F	F	F	F	F	R	R
<i>Adoxa moschatellina</i>				V	V	V	V	V	V									
<i>Agalinis acuta</i>										F	F	F	F	R	R			
<i>Agalinis fasciculata</i>											F	F	F	F	R			
<i>Agalinis maritima</i> var. <i>maritima</i>	V	V	V	V	V	V	V	V	V	V	V	F	R	R	R	R	V	V
<i>Agalinis paupercula</i> var. <i>borealis</i>											F	F	F	F	R	R		
<i>Agastache nepetoides</i>								V	V	F	F	F	F	R	R	R	R	
<i>Ageratina aromatica</i> var. <i>aromatica</i>												F	F	F	R	R		
<i>Agrimonia parviflora</i>					V	V	V	V	V	V	F	F	F	R	R			
<i>Agrimonia rostellata</i>										F	F	F	F	F	R			
<i>Agrostis mertensii</i>									F	F	F	F	R	R				
<i>Aletris farinosa</i>	V	V	V	V	V	V	F	F	F	F	R	R	R	R	R	R	V	V
<i>Alisma gramineum</i>											R	R	R	R				
<i>Allium burdickii</i>	V	V	V	V	V	V	F	F	F	F	R	R						
<i>Allium cernuum</i> var. <i>cernuum</i>	V	V	V	V	V	V	V	V	F	F	F	F	R	R	V	V	V	V
<i>Amaranthus pumilus</i>								V	V	V	V	F	F	R	R	R	R	
<i>Amelanchier nantucketensis</i>					F	R	R	R	R									
<i>Amerorchis rotundifolia</i>								F	V									
<i>Amianthium muscaetoxicum</i>					F	F	F	F	R	R								
<i>Ammophila champlainensis</i>	V	V	V	V	V	V	V	F	R	R	R	R	R	R	R	R	R	R
<i>Amphicarpum purshii</i>											F	F	F	R	R	R	R	R
<i>Anemone multifida</i> var. <i>hudsoniana</i>						F	F	F	R	R	R							
<i>Angelica lucida</i>	R	R	R	R	R	R	F	F	F	R	R	R	R	R	R	R	R	R
<i>Aplectrum hyemale</i>	V	V	V	V	F	F	F	F	R	R	R	R	R	V	V	V	V	V
<i>Arabis divaricarpa</i>				V	V	F	F	F	R	R	R	R						
<i>Arabis drummondii</i>					F	F	R	R	R	R	R	R						
<i>Arabis missouriensis</i>						F	F	F	F	R	R							
<i>Arabis shortii</i>					F	F	R	R	R	R								
<i>Arethusa bulbosa</i>					V	V	V	V	V	V	V	V	R	R	R	R	R	
<i>Aristolochia serpentaria</i>					V	V	V	V	V	V	V	V	V	V	V	V		
<i>Arnica lanceolata</i>									F	F	F	F	F					
<i>Arnoglossum atriplicifolium</i>									F	F	F	F	F	R	R	R		
<i>Artemisia campestris</i> ssp. <i>borealis</i>											F	F	F	R	R	R		
<i>Asclepias purpurascens</i>								F	F	F	F	R	R					
<i>Asclepias rubra</i>								F	F	F								
<i>Asclepias variegata</i>							F	F	R	R								
<i>Asclepias viridiflora</i>								V	V	V	V	V	V	V	V	V		
<i>Asimina triloba</i>				F	F	F	F	F	F	F	R	R	R	R				



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<i>Asplenium bradleyi</i>	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
<i>Asplenium montanum</i>			V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
<i>Asplenium scolopendrium</i> var. <i>americanum</i>	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
<i>Asplenium trichomanes-ramosum</i>										V	V	V						
<i>Astragalus neglectus</i>							F	F	F	R	R	R	R					
<i>Atriplex dioica</i>											F	F	R	R	R	R	R	R
<i>Atriplex glabriuscula</i>											F	F	R	R	R	R	R	R
<i>Bartonia paniculata</i>											F	F	F	F	R	R		
<i>Berula erecta</i>												F	R	V	V	V		
<i>Betula glandulosa</i>							F	F	F	R	R	R						
<i>Betula minor</i>						V	V	V	F	F	F	F						
<i>Betula nigra</i>	V	V	V	V	F	R	R	R	V	V	V	V	V	V	V	V	V	V
<i>Betula pumila</i>	R	R	V	V	V	V	V	V	V	V	V	V	V	V	V	V	R	R
<i>Bidens bidentoides</i>												F	F	F	F			
<i>Bidens hyperborea</i> var. <i>hyperborea</i>												F	F	R				
<i>Bidens laevis</i>												F	F	F	R			
<i>Blephilia ciliata</i>								F	F	F	F	F	F	F	F	F		
<i>Bolboschoenus maritimus</i> ssp. <i>paludosus</i>								F	F	F	F	F	R	R	R			
<i>Bolboschoenus novae-angliae</i>									R	R	R	F	F					
<i>Botrychium campestre</i>					V	R	R											
<i>Botrychium lunaria</i>					V	V	R	R	R	R	R							
<i>Botrychium minganense</i>					V	V	R	R	R	R	R	R	R	R				
<i>Botrychium oneidense</i>					V	V	V	V	V	V	V	R	R	R	R	R	R	R
<i>Botrychium rugulosum</i>						V	V	V	V	V	V	R	R	R				
<i>Bouteloua curtipendula</i> var. <i>curtipendula</i>										R	R	R	R	R	R	R	R	R
<i>Buchnera americana</i>													R	R	R			
<i>Calamagrostis perplexa</i>									R	R	R	R	R	R	R			
<i>Calamagrostis pickeringii</i>								F	F	F	F	F						
<i>Calamagrostis porteri</i> ssp. <i>porteri</i>									R	R	R	R	R	R	R	R		
<i>Calamagrostis stricta</i>								R	R	R	R	R	R	R				
<i>Callitriche hermaphroditica</i>											R	R	R	R				
<i>Callitriche terrestris</i>									R	R	R	R	R	R				
<i>Calypso bulbosa</i> var. <i>americana</i>						F	F	F	F									
<i>Campanulastrum americanum</i>										F	F	F	R	R	R			
<i>Cardamine douglassii</i>		F	F	F	F													
<i>Cardamine longii</i>					V	V	V	V	V	V	V	V	V	V	V			
<i>Cardamine rotundifolia</i>					F	F	F	F	R	R	R	R	R	R				



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Carex abscondita						F	F	R	R	R								
Carex aggregata						R	R											
Carex albicans var. emmonsii					F	F	R	R										
Carex amphibola						F	F	R	R									
Carex arcta						F	F	F	F	F	R							
Carex atherodes									R	R								
Carex atratiformis								R	R	R	R	R	R					
Carex backii						F	R	R	R									
Carex barrattii					F	F	F	R	R									
Carex bicknellii var. bicknellii						F	F	F	R	R	R							
Carex bigelowii							F	F	F	F	R	R	R					
Carex bullata						F	F	R	R	R	R	R	R	R				
Carex bushii						F	F	R	R	R								
Carex buxbaumii						F	F	F	R	R								
Carex capillaris								R	R	R								
Carex caroliniana						F	F	R	R	R	R	R						
Carex chordorrhiza					F	F	F	R	R	V	V	V	V	V	V	V	V	V
Carex collinsii							F	F	F	F	F	R						
Carex conjuncta							R	R	R									
Carex crawei			F	F	F	F	F	F	F	R	R							
Carex cryptolepis					F	F	F	F	R	R	R	R	R	R	R	R		
Carex cumulata					V	F	F	F	R	R	R	R	R					
Carex davisii			F	F	F	F	F	F	R									
Carex debilis var. debilis						F	F	F	R	R	R	R	R	R				
Carex decomposita					R	R	R	R	R									
Carex emoryi						F	F	R	R	R								
Carex formosa						R	R	R	R	R	R	R						
Carex frankii										R	R	R	R	R	R	R		
Carex garberi							F	R	R	R	R	R						
Carex glaucoidea						R	R	R	R	R								
Carex gynocrates			F	F	F	F	F	F	F	R	R	R						
Carex haydenii						F	F	F	F	F	R							
Carex hitchcockiana						F	F	R	R	R								
Carex hormathodes						F	F	F	R	R	R	R	R	R	R			
Carex houghtoniana							R	R	R	R								
Carex jamesii				F	F	F	R	R	R	R								
Carex livida							F	F	F	R	R	R	R					
Carex lupuliformis							V	F	F	R	R	R	R	R	R	R	R	V
Carex meadii							F	F	R	R								



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Carex merritt-fernaldii							R	R	R	R									
Carex mesochorea					V	F	F	F	R	R	R								
Carex mitchelliana								R	R	R	R								
Carex molesta					F	F	F	F	R	R	R	R							
Carex muehlenbergii var. enervis					F	F	F	F	F	R									
Carex nigra						F	F	F	F	F	R	R	R	R					
Carex nigromarginata			F	R	R	R	R												
Carex oligosperma							F	F	F	F	R	R	R						
Carex polymorpha					F	F	F	F	F	R	R	R							
Carex retroflexa					F	F	F	R	R										
Carex richardsonii					F	F	F	R	R										
Carex sartwellii var. sartwellii						F	F	F	R										
Carex schweinitzii						F	F	F	R	R	R								
Carex scirpoidea	V	V	V	V	F	F	R	R	R	R	R	R	R	R	R	V	V	V	V
Carex seorsa					F	F	R	R											
Carex shortiana							R	R	R	R									
Carex straminea						F	F	F	F	R	R	V	V	V					
Carex striata var. brevis						R	R	R	R	R									
Carex striatula						F	R	R											
Carex styloflexa						F	F	R											
Carex sychnocephala										R	R	R							
Carex tenuiflora							F	R											
Carex tinctoria								F	R	R	R								
Carex typhina						F	F	F	R	R	R	R	R	R	R	R			
Carex vaginata					F	F	F	F	F	R	R								
Carex venusta						F	F	R	R										
Carex wiegandii							F	F	F	F	F	R	R						
Carex willdenowii						F	F	F	F	F	R	R							
Carya laciniata						F	F	R	R	R	R	R	R	R	R				
Castilleja coccinea						F	F	F	F										
Ceanothus herbaceus	V	V	V	V	V	V	F	V	V	V	V	V	V	V	V	V	V	V	
Cenchrus tribuloides											R	R	R	R	R	R			
Ceratophyllum echinatum								F	F	R	R	R	R	R	R				
Chaerophyllum procumbens					F	F	R												
Chamaecyparis thyoides	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	
Chamaelirium luteum	V	V	V	V	F	F	F	F	F	F	F	R	V	V	V	V	V	V	
Chasmanthium laxum								F	F	F	F	F	F	R	R				
Cheilanthes lanosa						V	V	V	V	V	V	V	V	V	V	V			



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Chenopodium berlandieri var. macrocalycium							F	F	F	F	F	F	R	R				
Chenopodium rubrum						F	F	F	F	F	F	F	F	F				
Cirsium altissimum								F	F	F	F	F	F	F	R	R		
Clematis ochroleuca				F	F	F	F	F	F	R	R	R	R					
Clinopodium arkansanum										F	F	F						
Clintonia umbellulata						F	F	F	R	R	R	R	R					
Collinsia verna				F	F	F												
Commelina erecta var. erecta									F	F	R	R						
Corallorhiza striata							F	F	V									
Corema conradii	V	V	F	F	F	R	R	R	V	V	V	V	V	V	V	V	V	V
Coreopsis rosea					V	V	V	V	F	F	F	F	F	F	V	V	V	V
Cornus drummondii					V	V	F	F	V	V	R	R	R	R	R	V		
Corydalis aurea					F	F	F	F	F	F	F	F	F	R	R			
Corydalis flavula				F	F	F	R	R	R									
Crassula aquatica									V	V	V	R						
Crataegus berberifolia					F	F						R	R	R				
Crataegus mollis					F	F						R	R	R				
Crataegus uniflora					F	F						R	R	R				
Crotalaria sagittalis									F	F	F	F	F	F	R	R	R	R
Cuscuta cephalanthi											F	F	F	F	F	R		
Cuscuta obtusiflora var. glandulosa											F	F	F	F	R	R	R	
Cuscuta pentagona var. pentagona											F	F	R	R				
Cuscuta polygonorum											F	F	F	R				
Cynoglossum virginianum var. boreale						F	F	F	F	R	R	R						
Cynoglossum virginianum var. virginianum						F	F	R										
Cyperus echinatus									F	F	F	F	F	R				
Cyperus erythrorhizos											F	F	R	R	R			
Cyperus flavescens									R	R	R	R	R	R	R	R		
Cyperus houghtonii							F	F	R	R	R	R	R	R	R			
Cyperus lupulinus ssp. lupulinus											F	F	R	R	R			
Cyperus odoratus												R	R	R	R			
Cyperus plukenetii										R	R	R	R	R				
Cyperus polystachyos var. texensis												R	R	R				
Cyperus retrorsus								F	F	F	F	F	R	R	R	R		
Cyperus schweinitzii								F	R	R	R	R	R	R	R			
Cypripedium arietinum					F	F	F	F	R	R								
Cypripedium candidum					F	F	F	F	F	R	R	R	R	R	R			



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Cypripedium parviflorum var. parviflorum						F	F											
Cystopteris protrusa						R	R	R	R	R	R							
Descurainia pinnata ssp. brachycarpa					F	F	F	F	R	R	R	R						
Desmodium ciliare										F	F	F	F	R	R			
Desmodium humifusum											F	F	F	R	R			
Desmodium laevigatum											F	F	F	R	R			
Desmodium nuttallii												F	F					
Desmodium obtusum											F	F	F					
Desmodium pauciflorum										F	F	F	F					
Diapensia lapponica var. lapponica							F	F	F	F	F	F	R	R				
Diarrhena obovata									V	V	V	V	V	V	V	V	V	V
Dichanthelium boreale							R	R	R	R	R	R	R					
Dichanthelium leibergii							R	R	R	R	R	R	R					
Dichanthelium oligosanthes var. scribnerianum								F	R	R	R	R	R	R	R	R		
Dichanthelium scabriusculum							R	R	R	R	R	R	R	R				
Dichanthelium villosissimum var. villosissimum								R	R	R	R	R	R	R				
Dichanthelium wrightianum									F	F	R	R	R					
Digitaria filiformis											F	R	R	R				
Diospyros virginiana	V	V	V	V	V	V	V	V	F	V	V	V	V	V	V	V	V	V
Dodecatheon meadia ssp. meadia						F	F											
Draba arabisans						F	F	F	F	R	R	R						
Draba glabella							F	F	R	R	R							
Draba reptans			F	F	F	R	R											
Dracocephalum parviflorum								F	F	F	F	F	R	R	R			
Drosera filiformis									F	F	F	F	F	R	R	R		
Dryopteris celsa								V	V	V	V	V	V	V	V	V		
Dryopteris fragrans	V	V	V	V	V	V	R	R	R	R	R	R	R	R	R	V	V	V
Echinodorus tenellus									F	F	F	F	F	F				
Eclipta prostrata									F	F	F	R	R	R				
Elatine americana									F	F	R	R	R	R	R	R		
Eleocharis aestuum													R	R	R			
Eleocharis diandra													R	R	R			
Eleocharis engelmannii									F	F	F	R	R	R	R			
Eleocharis equisetoides									F	F	R	R	R	R	R			
Eleocharis fallax								F	F	F	F	R						
Eleocharis halophila						F	F	F	F	F	F	F	F	R	R	R	R	R
Eleocharis melanocarpa							F	F	F	R	R	R	R					



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Eleocharis ovata									V	F	F	F	R	R	R			
Eleocharis quadrangulata										F	F	F	F	F	R			
Eleocharis robbinsii											F	F	R	R				
Eleocharis tenuis var. pseudoptera									F	F	F	F	R	R				
Eleocharis tortilis									F	F	F	F	R	R				
Eleocharis tricostata								F	F	F	R	R	R	R	R			
Eleocharis tuberculosa									F	F	F	F	F	R	R	R	R	
Ellisia nyctelea						F	F	F	R	R								
Empetrum eamesii ssp. atropurpureum										R	R	R	R	R	R	R		
Empetrum nigrum ssp. hermaphroditum						F	F	F	F	R	R	R	R	R				
Enemion biternatum			F	F	F	F	F	R										
Epilobium hornemannii									F	F	F	F						
Equisetum laevigatum					V	V	V	V	V	V	V	V						
Equisetum palustre					V	V	V	V	V	V	V	V						
Equisetum pratense				V	V	V	V	V	V	V	V	V	V					
Erechtites hieraciifolia var. megalocarpa													F	R	R			
Erigenia bulbosa			F	F	F	F												
Erigeron hyssopifolius							F	F	F	F	F	F						
Eriocaulon parkeri												R	R	R				
Eriophorum angustifolium ssp. angustifolium							F	F	F	F	F	F						
Eryngium aquaticum										F	F	F	F	F	R	R	R	
Euonymus americanus	V	V	V	V	F	F	F	F	F	F	F	R	R	R	R	R	R	V
Eupatorium album var. subvenosum									F	F	F	R	R	R	R			
Eupatorium hyssopifolium var. laciniatum											F	F	F	F	R	R		
Eupatorium leucolepis var. leucolepis						V	V	V	V	V	V	F	F	F	F	F	F	
Eupatorium resinosum												F	F	F	R	R		
Eupatorium rotundifolium var. ovatum										F	F	F	F	R	R	R		
Eupatorium rotundifolium var. rotundifolium										F	F	F	F	R	R	R		
Eupatorium serotinum										F	F	F	F	R	R	R		
Euphorbia ipecacuanhae					F	F	R	R	R	R								
Eurybia radula										F	F	F	F	F	F	F		
Eurybia spectabilis											F	F	F	F	F	F		
Euthamia gymnospermoides													F	F	R			
Festuca saximontana var. saximontana						F	F	R	R	R								



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<i>Fimbristylis caroliniana</i>	F	F	F	F	F	F	F	F	F	F	F	F	F					
<i>Fimbristylis castanea</i>									F	F	F	F	F	F	F			
<i>Fimbristylis puberula</i> var. <i>puberula</i>								F	F	F								
<i>Frasera caroliniensis</i>							F	F	F	F	R	R	R	R	R			
<i>Fuirena pumila</i>										F	F	R	R	R				
<i>Galactia volubilis</i>									F	F	F	F	R					
<i>Galium concinnum</i>							R	R	R	R	R							
<i>Galium kamschaticum</i>								F	R	R	R	R						
<i>Gamochaeta purpurea</i>									F	F	R	R	R	R	R	R		
<i>Gaylussacia dumosa</i>								F	F	R	R	R	R	R				
<i>Gentiana puberulenta</i>															F	F	F	
<i>Gentiana saponaria</i>															F	F	F	F
<i>Gentianopsis virgata</i>										F	F	F	F	R				
<i>Geocaulon lividum</i>						F	F	F	F	F	F							
<i>Geranium carolinianum</i> var. <i>sphaerospermum</i>						F	F	R	R	R								
<i>Geum macrophyllum</i> var. <i>macrophyllum</i>							F	F	F	F	F	R	R					
<i>Geum triflorum</i> var. <i>triflorum</i>				F	F	F	F	F	R	R	V	V	V	V				
<i>Geum vernum</i>					F	F	F	R	R	R	R							
<i>Geum virginianum</i>							F	F	F	F	F	F	F	F				
<i>Glycyrrhiza lepidota</i>							F	F	F	F	F	F						
<i>Gymnocladus dioica</i>	V	V	V	V	V	F	F	F	R	R								
<i>Hackelia deflexa</i> var. <i>americana</i>								F	R	R								
<i>Halenia deflexa</i>										F	F	R	R	R				
<i>Harrimanella hypnoides</i>							F	F	F	F	F	F						
<i>Hasteola suaveolens</i>										F	F	R						
<i>Hedeoma hispida</i>							F	F	R	R	R							
<i>Helianthemum dumosum</i>						F	F	F	F	F	F	R	R					
<i>Helianthemum propinquum</i>							F	F	R	R	R	R	R	R	R			
<i>Helianthus angustifolius</i>									F	F	F	F	F	F	F	F		
<i>Helonias bullata</i>	V	V	V	F	F	F	R	R	R	R	R	R	R	R	R	V	V	V
<i>Heteranthera reniformis</i>							V	V	V	V	F	F	R	R				
<i>Hierochloa alpina</i> ssp. <i>orthantha</i>						F	F	F	R	R	R	R						
<i>Hippuris vulgaris</i>											F	F	F	F				
<i>Hottonia inflata</i>						F	F	F	F									
<i>Houstonia purpurea</i> var. <i>calycosa</i>							F	F	F	F	F							
<i>Houstonia purpurea</i> var. <i>purpurea</i>				F	F	F	F	F	F	F	F	R	R					
<i>Huperzia appalachiana</i>					V	V	V	V	R	R	R	R	R	R	V	V		
<i>Huperzia selago</i>					V	V	V	V	R	R	R	R	R	R	V	V		



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Hydrangea arborescens									F	F	R	R	R	R				
Hydrastis canadensis			F	F	F	F	R	R	R	R	R	R						
Hydrocotyle ranunculoides									F	F	R	R	R	R	R	R		
Hydrocotyle umbellata									F	F	R	R	R	R	R	R		
Hydrocotyle verticillata									V	V	V	V	F	F	R			
Hypericum adpressum					V	V	V	V	F	F	F	F	R	R	R			
Hypericum ascyron										F	F	R	R	R	R	R	R	R
Hypericum densiflorum										F	F	F	R	R	R	R		
Hypericum denticulatum								F	F	F	F							
Hypericum gymnanthum										F	F	F						
Hypericum hypericoides ssp. multicaule	R	R	R	R	R	R	R	R	R	R	F	R	R	R	R	R	R	R
Hypericum kalmianum										F	F	F	R					
Hypericum prolificum					R	R	R	F	F	F	F	F	F	F	R	R		
Ipomoea pandurata										F	F	F	F					
Iris prismatica	R	R	R	R	R	R	F	F	F	R	R	R	R	R	R	R	R	R
Iris virginica var. shrevei						F	F	R	R	R								
Isanthus brachiatus									F	F	F	F	R	R				
Isoetes lacustris									V	V	V	V	V					
Isoetes riparia									V	V	V	V	V					
Isotria medeoloides						F	F	R	R	R	R	R	R	R	R	R		
Jeffersonia diphylla			F	F	F	F	R	R	R	R	R	R						
Juglans cinerea				F	F	F	R	R	R	R	R	R	R	R				
Juncus ambiguus									R	R	R	R						
Juncus biflorus									R	R	R	R						
Juncus brachycarpus						F	F	F	F	F	R							
Juncus debilis								R	R	R	R							
Juncus ensifolius									R	R	R	R						
Juncus scirpoides									R	R	R	R						
Juncus stygius ssp. americanus									R	R	R	R						
Juncus subcaudatus								F	F	R	R	R	R	R	R			
Juncus trifidus							R	R	R	R	R	R	R	R				
Juniperus horizontalis	V	V	V	V	V	R	R	R	R	R	R	R	V	V	V	V	V	V
Kosteletzkya virginica											F	F	F	R	R			
Lachnanthes caroliniana						V	V	V	V	V	F	F	F	F	F	F	F	F
Lactuca floridana											R	R	R	R				
Lactuca hirsuta									R	R	R	R	R	R	R	R		
Lathyrus ochroleucus					F	F	F	F	F	F	R	R						
Lathyrus venosus					F	F	F	F	R	R	R	R						



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Lechea pulchella var. moniliformis											F	F	F	R	R	R	R	
Lechea racemulosa						R	R	R	R	R	F	F	R	R	R	R	R	
Lechea tenuifolia										F	F	F	F	F	F	F		
Lemna perpusilla							V	V	V	V	V	V	V	V	F	V		
Lemna valdiviana									V	V	V	V	V	V	V			
Leptochloa fusca ssp. fascicularis										F	F	R	R	R	R	R		
Lespedeza angustifolia					V	V	V	V	V	F	F	F	F	F	R			
Lespedeza repens											F	F	R	R	R			
Lespedeza stuevei							F	F	F	F	F	F	F	F				
Lespedeza violacea									F	F	F	F	F	F	R			
Liatris cylindracea										F	F	F	R					
Liatris scariosa var. novae-angliae					V	V	V	V	V	V	F	F	F	F				
Ligusticum scoticum ssp. scoticum	V	V	V	V	V	V	V	V	V	V	F	F	F	R	R	V	V	V
Lilaeopsis chinensis						V	V	V	V	V	V	V	V	V	V	V		
Lilium michiganense									F	F								
Limosella australis					V	V	V	V	F	F	F	F	F	R	R			
Linum intercursum	R	R	R	R	R	R	R	R	R	F	F	F	F	R	R	R	R	R
Linum medium var. texanum											F	F	R	R	R	R		
Linum striatum											F	F	R	R	R			
Linum sulcatum	R	R	R	R	R	R	R	R	F	F	F	R	R	R	R	R	R	R
Liparis lilifolia						F	F	F	F	F	R							
Lipocarpha micrantha										F	R	R	R	R				
Listera auriculata							F	F										
Listera australis				F	F	F	F	F	F	F	F	F						
Listera convallarioides									F	F	F							
Lithospermum canescens				F	F	F	F											
Lithospermum caroliniense var. croceum							F	F	F	R	R	R	R					
Littorella uniflora									F	F	F	F						
Lobelia nuttallii							F	F	F	F	F	F	F					
Loiseleuria procumbens							V	V	V	V								
Ludwigia sphaerocarpa										R	R	R	R	R				
Luzula bulbosa				F	F	F	R	R										
Luzula echinata				F	F	F	R	R										
Luzula spicata								R	R	R								
Lycopodiella caroliniana var. caroliniana	V	V	V	V	V	V	V	V	V	R	R	R	R	R	R	R	R	V
Lycopodium complanatum	V	V	V	V	V	R	R	R	R	R	R	R	R	R	R	V	V	V
Lycopodium sitchense	V	V	V	V	V	R	R	R	R	R	R	V	V	V	V	V	V	V



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<i>Lycopus rubellus</i>									F	F	F	R	R	R	R	R		
<i>Lygodium palmatum</i>								V	V	V	V	V	V	V	V	V	V	V
<i>Lysimachia hybrida</i>									F	F	F	F	F	R	R	R		
<i>Lysimachia quadriflora</i>									F	F	R	R						
<i>Lythrum lineare</i>							V	V	V	V	F	F	F	V	V	V		
<i>Magnolia virginiana</i>	V	V	V	V	V	V	F	F	F	F	R	R	R	R	R	R	R	V
<i>Malaxis bayardii</i>							V	V	V	V	V	V	V					
<i>Megalodonta beckii</i> var. <i>beckii</i>										F	F	F	F	R	R			
<i>Melanthium latifolium</i>									F	F								
<i>Melanthium virginicum</i>									F	F								
<i>Micranthemum micranthemoides</i>													F	F	R	R		
<i>Mimulus alatus</i>							F	F	F	F	F	F	F					
<i>Minuartia caroliniana</i>	V	V	V	V	F	F	F	F	F	F	F	F	F	F	F	V	V	V
<i>Minuartia glabra</i>				V	V	V	V	V	V	V	V	V	V	V	V			
<i>Minuartia groenlandica</i>									F	F	F	F	F	F				
<i>Monarda clinopodia</i>								F	F	F	F	F	F					
<i>Muhlenbergia capillaris</i> var. <i>capillaris</i>													R	R				
<i>Myriophyllum alterniflorum</i>											V	F	V	V	V			
<i>Myriophyllum farwellii</i>							V	F	F	F	F	R	R	R	R	R		
<i>Myriophyllum pinnatum</i>									R	V	V	V	V					
<i>Najas guadalupensis</i> ssp. <i>muenschleri</i>								R	R	R	R	R	R					
<i>Najas guadalupensis</i> ssp. <i>olivacea</i>											V	V	V	V				
<i>Najas marina</i>								F	F	F	F	F	F	R	V			
<i>Neobeckia aquatica</i>								F	F	F	F	F	R	R				
<i>Oclemena nemoralis</i>										V	F	F	F	F	F			
<i>Oenothera laciniata</i>						V	V	F	R	R	R	R	R	R	R	R		
<i>Oenothera oakesiana</i>											V	V	F	R	V			
<i>Oldenlandia uniflora</i>											F	F	F					
<i>Oligoneuron album</i>									F	F	F	F	F	R	R	R		
<i>Oligoneuron houghtonii</i>										F	F	F	F	R	R			
<i>Oligoneuron ohioense</i>								V	V	F	F	F	F	R	R			
<i>Oligoneuron rigidum</i> var. <i>rigidum</i>							V	V	V	V	V	V	V	V	V	V	V	V
<i>Omalothea sylvatica</i>									V	V	V	V	V	V	V			
<i>Onosmodium virginianum</i>							F	F	F	F	F	F	F	R	R			
<i>Orontium aquaticum</i>				F	F	F	F	F	R	R	R	R	V	V	V			
<i>Oxalis violacea</i>			F	F	F	F	F	F	R	R								
<i>Oxypolis rigidior</i>										F	F	F	F	F	F	F		
<i>Panicum amarum</i>											F	F	F	F	R	R		



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Panicum anceps								F	R	R	R	R	R	R				
Panicum flexile									R	R	R	R	R	R				
Panicum rigidulum var. elongatum									F	F	R	R	R	R				
Paspalum laeve												R	R	R	R			
Pedicularis lanceolata									V	V	V	V	F	F	F	F	R	
Pellaea glabella							V	V	V	V	V	V	V	V	V	V		
Petasites frigidus var. palmatus			F	F	F	F	R	R	R	R								
Phacelia dubia var. dubia				F	F	F	R											
Phlox maculata var. maculata								F	F	R								
Phlox pilosa var. pilosa								F	F	R								
Phragmites australis ssp. 1									F	F	R	R	R	R	R	R	R	R
Physalis pubescens var. integrifolia												F	F	R				
Physalis virginiana var. virginiana										F	F	F	F	R				
Pinguicula vulgaris						F	F	F	F	R	R							
Pinus banksiana	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
Pinus echinata	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
Pinus virginiana	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
Piptatherum canadense										R	R							
Plantago cordata		V	F	F	F	F	F	R	R	R	R	R	V	V	R	V		
Plantago maritima var. juncooides								F	F	R	R	R						
Platanthera ciliaris								F	F	F	F	F	F					
Platanthera cristata										F	F	F	F	F				
Platanthera hookeri						F	F	F	F	F	F							
Platanthera leucophaea									F	F								
Poa cuspidata						F	R	R										
Poa glauca ssp. glauca								R	R	R	R							
Poa laxa ssp. fernaldiana									R	R	R							
Poa nemoralis ssp. interior									R	R	R							
Poa paludigena							R	R	R	R	R							
Poa sylvestris						F	F	R	R	R	R							
Podostemum ceratophyllum							F	F	F	F	F	F	F					
Polemonium vanbruntiae							F	F	F	R	R	R						
Polygala incarnata							F	F	F	F	F	F	F					
Polygala lutea							F	F	F	F	F	F	F					
Polygala mariana							F	F	F	F	F	F	F					
Polygonum buxiforme							F	F	F	F	F	F	F	F	F			
Polygonum careyi									F	F	F	F	F	F	F			
Polygonum douglasii ssp. douglasii								F	F	F	F	F	R					
Polygonum erectum											F	F	F	F	R	R		



2004 Rare Plant Status List - Phenology

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Scientific Name	Mar A	Mar B	Apr A	Apr B	May A	May B	June A	June B	July A	July B	Aug A	Aug B	Sept A	Sept B	Oct A	Oct B	Nov A	Nov B
Polygonum glaucum						F	F	F	F	F	F	F	F	F	F	F	F	F
Polygonum setaceum									F	F	F	F	F	F	F			
Polygonum tenue							F	F	F	F	F	F	F	F	F			
Polystichum lonchitis							V	V	V	V	R	R	R	R				
Populus heterophylla	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
Porteranthus stipulatus							F	F										
Potamogeton alpinus									F	F	F	F	R	R				
Potamogeton confervoides									F	F	F	F	R	R				
Potamogeton diversifolius									V	V	V	F	F	R	R			
Potamogeton hillii						V	V	V	V	V	V	V	V	V	V	V		
Potamogeton ogdenii									V	V	V	V	V	V				
Potamogeton pulcher						V	V	V	V	V	V	V	V	V	V			
Potamogeton strictifolius									F	F	F	F	F					
Potentilla anserina ssp. egedii									F	F	F	F						
Potentilla paradoxa									F	F	F	R	R	R				
Prenanthes boottii									F	F	F	R						
Prenanthes crepidinea											F	F	F	F				
Prenanthes nana										F	F	F	F					
Prenanthes racemosa var. racemosa											F	F	F	F	F			
Primula mistassinica					F	F	F	F	R	R	R	R	R	R	R	R	R	F
Proserpinaca pectinata									V	V	V	V	V	V	V	V		
Prunus pumila var. depressa						F	F	R	R	R	R	R	R	V				
Prunus pumila var. pumila						F	F	F	F	R	R	R	R	V				
Pseudognaphalium helleri ssp. micradenium											F	F	F	F	R			
Ptelea trifoliata ssp. trifoliata	V	V	V	V	V	V	F	F	R	R	R	R	R	R	R	R	R	V
Pteridium aquilinum var. pseudocaudatum							V	V	V	V	V	V	V	V	V	V	V	V
Pterospora andromedea	R	R	R	R	R	R	F	F	F	F	F	R	R	R	R	R	R	R
Pycnanthemum clinopodioides									V	V	V	F	F	F	R	R	R	R
Pycnanthemum muticum							V	V	F	F	F	R	R	R	R	R		
Pycnanthemum torrei										F	F	R	R	R	R			
Pycnanthemum verticillatum var. verticillatum									F	F	F	F	F	F	R			
Pyrola asarifolia ssp. asarifolia									F	F	F	F	F					
Pyrola minor									F	F	F	F	F					
Pyxidantha barbulata	V	V	V	V	F	F	F	F	F	F	R	V	V	V	V	V	V	V
Quercus marilandica var. marilandica	V	V	V	V	V	V	V	V	V	V	R	R	R	R	R	V	V	V
Quercus phellos	V	V	V	V	V	V	V	V	V	V	V	V	R	R	V	V	V	V
Quercus shumardii var. shumardii					V	V	V	V	V	V	R	R	R	R	V	V		



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Ranunculus cymbalaria							F	F	F	F	F	F	F	F					
Ranunculus hispidus var. nitidus			F	F	F	F	F	F											
Ranunculus micranthus					F	F	R	R											
Ranunculus pusillus			F	F	F	F	F	R											
Rhexia mariana var. mariana									F	F	F	F	F						
Rhododendron canadense						F	F	R	R	R	R	R	R	R	R	R	R	R	
Rhododendron lapponicum var. lapponicum						F	F	F	F	R	R	R							
Rhynchospora cephalantha									R	R	R	R	R	R	R				
Rhynchospora chalarocephala													R	R					
Rhynchospora inundata											F	F	F	R					
Rhynchospora macrostachya								R	R	R	R	R	R						
Rhynchospora nitens											R	R	R						
Rhynchospora pallida										F	R	R							
Rhynchospora recognita										R	R	R							
Rhynchospora scirpoides											R	R	R	R	R				
Rhynchospora torreyana										R	R	R							
Rosa acicularis ssp. sayi					V	V	V	F	F	F	V	V	V	V	V				
Rosa nitida												F	F	R	R	R			
Rotala ramosior									F	F	F	F	F	F	R	R			
Rubus chamaemorus							F	F	F	F	F	R							
Rubus cuneifolius					F	F	F	F	R	R	R	R	R	R					
Rumex hastatulus						F	F	F											
Rumex maritimus									F	F	F	F	R	R	R	R			
Sabatia angularis											F	F	F						
Sabatia campanulata										F	F	F	F	R					
Sabatia dodecandra var. dodecandra										F	F	F	F	F	F				
Sabatia stellaris												F	F						
Saccharum giganteum	V	V	V	V	V	V	V	V	V	V	V	V	F	F	F	F	R	R	R
Sagina decumbens ssp. decumbens						F	F	F	F	F	F								
Sagittaria montevidensis var. spongiosa								V	V	V	V	F	F	F					
Sagittaria subulata												F	F	R					
Sagittaria teres								F	F	F	F	F	F						
Salicornia bigelovii												R	R	R	R	R			
Salix cordata					F	F	F	F	R	R									
Salix herbacea							V	V	V	V									
Salix pyrifolia						F	R	R	V	V	V	V	V	V	V				
Salix uva-ursi						F	F	R	R	R	R	V	V						
Salvia lyrata						F	F	F	R	R									



2004 Rare Plant Status List - Phenology

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Saxifraga aizoides						F	F	F	F	F	F							
Saxifraga oppositifolia ssp. oppositifolia							F	F	F	F	F							
Saxifraga paniculata ssp. neogaea							F	F	F	F	F	F	F					
Scheuchzeria palustris						F	F	F	R	R								
Schizaea pusilla	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
Schoenoplectus heterochaetus								F	F	R	R	R						
Schwalbea americana						F	F	F	F									
Scirpus ancistrochaetus														R	R			
Scirpus georgianus									F	F	F	F	R	R	R			
Scirpus longii	V	V	V	V	V	V	R	R	V	V	V	V	V	V	V	V	V	V
Scleria minor								R	R	R	R	R	R	R				
Scleria muehlenbergii									R	R	R	R	R	R	R			
Scleria pauciflora var. caroliniana							F	F	R	R	R	R	R	R	R			
Scleria reticularis									R	R	R	R	R	R	R			
Scleria triglomerata							F	F	F	R	R	R	R	R				
Scleria verticillata									R	R	R	R	R					
Scutellaria elliptica var. elliptica								F	R	R	R	R	R	R				
Scutellaria incana var. incana									F	F	F							
Scutellaria integrifolia								F	F	R	R	R	R	R	R	R		
Scutellaria nervosa					F	F	F	F	F									
Scutellaria parvula var. parvula							F	R	R	R	R	R						
Scutellaria serrata							F	F	R	R								
Sedum integrifolium ssp. leedyi	V	V	V	V	V	F	F	F	F	R	V	V	V	V	V	V	V	V
Sedum rosea	V	V	V	V	V	F	F	F	V	V	V	V	V	V	V	V	V	V
Sedum telephioides	V	V	V	V	V	V	V	V	V	V	V	V	V	F	V	V	V	V
Sericocarpus linifolius					V	V	V	F	F	F	F	F	F	R	R	R		
Sesuvium maritimum											F	F	F	R				
Silene caroliniana var. pennsylvanica				F	F	F	F	R	R	R	R	R						
Sisyrinchium mucronatum						F	F	F	F	F								
Smallanthus uvedalius										F	F	F	F	F				
Smilax pseudochina					V	V	V	F	F	R	R	V	V	V	V	V	V	V
Smilax pulverulenta	V	V	V	F	F	F	R	R	V	V	V	V	V	V	V	V	V	V
Solidago latissimifolia													F	F	F	F		
Solidago multiradiata var. arctica										F	F	F	F					
Solidago sempervirens var. mexicana											F	F	F	R	R			
Solidago simplex var. racemosa								F	F	F	F	F	R	R	R			
Solidago simplex var. randii								F	F	F	F	F	R	R	R			
Sparganium natans										F	F	F	F					



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Spergularia canadensis var. canadensis							F	F	F	F	F	F	F	F	F			
Sphenopholis obtusata							R	R										
Sphenopholis pensylvanica						R	R	R	R									
Spiraea septentrionalis										F	F	F	R	R				
Spiranthes vernalis										F	F	F						
Sporobolus clandestinus												F	R	R	R	R		
Sporobolus heterolepis											R	R	R	R	R			
Stachys hyssopifolia									F	F	F	F	R	R	R			
Stellaria longipes						F	F	F	F	F	F							
Strophostyles umbellata											F	F	F					
Stuckenia filiformis ssp. alpina								F	R	R	R	R	R					
Stuckenia filiformis ssp. occidentalis								F	F	F	F	F	F	R	R			
Stylosanthes biflora										F	F	R	R	R				
Suaeda linearis											F	F	R	R	R	R	R	
Suaeda rolandii											F	F	F	R	R	R	R	
Subularia aquatica var. americana												F	F	R	R			
Symphotrichum boreale									F	F	F	F	F	F	F			
Symphotrichum ciliolatum														F	F	F	F	
Symphotrichum concolor							V	V	V	V	F	F	F	F	F			
Symphotrichum laeve var. concinnum											F	F	F	R	R			
Symphotrichum lanceolatum var. interior											F	F	R	R				
Symphotrichum novi-belgii var. villicaule										F	F	F	F	F	R	R		
Symphotrichum ontarionis											V	F	F	F	F			
Symphotrichum oolentangiense var. oolentangiense												F	F	F	R	R	R	
Symphotrichum subulatum											F	F	F	F	F	F	F	
Symphotrichum tenuifolium												F	F	F	F	F		
Thalictrum venulosum							F	F	F	F	R	R	R	R				
Thaspium barbinode							F	F	F	F	R	R	R					
Thaspium trifoliatum var. aureum					F	F	F											
Tilia americana var. heterophylla					V	V	V	V	F	R	R	R	R	R				
Tipularia discolor	V	V	V	V	V	V	V	V	V	F	F	F	R	R	R			
Triantha glutinosa								F	F	F	F	F	R	R	R			
Trichomanes intricatum	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
Trichophorum cespitosum							F	F	F	F	R	R	R					
Trichophorum clintonii						R	R	R	R									



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Trichostema setaceum									F	F	F	F	R	R	R			
Triglochin palustre							F	F	F	F	F	F	R	R	R			
Trillium flexipes					F	F	R											
Trillium sessile					F	F	R											
Triosteum angustifolium			F	F	F	F	F	F	R	R	R	R	R					
Triphora trianthophora											F	F	F					
Tripsacum dactyloides										F	F	F	R	R				
Trisetum melicoides								R	R	R	R							
Trollius laxus				F	F	F	F	R	R	R	R	R	R					
Ulmus thomasii	V	V	V	R	R	R	V	V	V	V	V	V	V	V	V	V		
Utricularia geminiscapa								F	F	F	F	F	F	R				
Utricularia inflata								F	F	F	F	F	F					
Utricularia juncea													F	F				
Utricularia minor							F	F	F	F	R		R	R	R			
Utricularia radiata								F	F	F	F	F	F	F				
Utricularia striata									F	F	F	F	F	F				
Utricularia subulata							F	F	F	F	R	R	R	R	R			
Uvularia puberula	V	V	F	F	F	F	V	V	V	V	V	V	V	V	V	V	V	V
Vaccinium boreale									F	F	R	R						
Vaccinium caespitosum									F	R	R	R	R					
Vaccinium uliginosum										F	R	R	R	R				
Vahlodea atropurpurea									F	F	F	F						
Valeriana uliginosa						F	F	F	F									
Valerianella chenopodiifolia						F	F	F										
Valerianella umblicata						F	F	F										
Vernonia gigantea													F	R	R			
Veronica peregrina ssp. xalapensis	F	F	F	F	F	F	F	F	F	F	F							
Veronicastrum virginicum									F	F	F	F	R	R				
Viburnum dentatum var. venosum							F	F	F	R	R	R	R	R				
Viburnum edule								F	F	F	R	R	R					
Viburnum nudum var. nudum							F	F	F	F	R	R	R	R	R			
Viola bicolor						F	F	F										
Viola brittoniana					F	F	F	F	F	R	R	R	R	R	R	R		
Viola hirsutula					F	F	F	F	F	F								
Viola nephrophylla				F	F	F	F											
Viola novae-angliae						F	F	F										
Viola primulifolia					F	F	F	V	V	V								
Vitis vulpina					V	F	F	F	R	R	R	R	R	R	R	R	V	
Vittaria appalachiana					V	V	V	V	V	V	V	V	V					



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Woodsia alpina							V	V	V	V	V	V	V					
Woodsia glabella								V	V	V	V	V						
Woodsia oregana ssp. cathcartiana										V	V	V						
Xyris smalliana											F	R	R	R				
Zigadenus elegans ssp. glaucus								F	F	F	F	F	F	R	R			
Zigadenus leimanthoides									F	F								



2004 Rare Plant Status List - Bryophyte List

Scientific Name	Global Rank	State Rank	Scientific Name	Global Rank	State Rank
Acaulon muticum	G4G5	SH	Distichium inclinatum	G4G5	S1
Amblyodon dealbatus	G3G5	S1	Ditrichum rhynchostegium	G3G5	S1
Amblystegium noterophilum	G4	S2	Drummondia prorepens	G5	S3
Anoetangium aestivum	G3G5	SH	Encalypta rhaptocarpa	G4G5	S1
Aphanorrhagma serratum	G4G5	S1	Entodon brevisetus	G4?	S1
Archidium alternifolium	G4G5	SU	Ephemerum cohaerens	G4G5	SH
Archidium ohioense	G4G5	SU	Ephemerum crassinervium	G5	SH
Arctoa fulvella	G3G5	S1	Ephemerum serratum	G5	SH
Astomum muehlenbergianum	G5	SH	Ephemerum spinulosum	G4G5	SH
Aulacomnium androgynum	G5	S2S3	Fissidens exilis	G3G4	SU
Blindia acuta	G5	S3?	Fissidens fontanus	G5	S3?
Brachythecium digastrum	G4?	SNR	Funaria flavicans	G5	SH
Brachythecium erythrorrhizon	G5	SNR	Grimmia affinis	G4G5	SH
Brachythecium turgidum	G4	S1	Grimmia agassizii	G3G5	SH
Bruchia flexuosa	G4	S3	Grimmia cribrosa	G3G4	S1
Bryum algovicum	G4G5	SH	Grimmia donniana	G4G5	S1
Bryum alpinum	G4G5	SNR	Grimmia laevigata	G5	SX
Bryum cyclophyllum	G4G5	SH	Grimmia pilifera	G4G5	S3?
Bryum gemmiparum	G3G5	SU	Grimmia tenerrima	G3G5	SU
Bryum muehlenbeckii	G4G5	S1	Grimmia unicolor	G4G5	S3?
Bryum pallescens	G5	S1	Haplohymenium triste	G5	SH
Bryum tenuisetum	G3G5	SU	Heterocladium dimorphum	G4G5	S1S3
Bryum turbinatum	G5	SH	Homalotheciella subcapillata	G5?	SH
Bryum uliginosum	G3G5	S3?	Hygrohypnum closteri	G3	SH
Bryum weigelii	G4G5	SH	Hygrohypnum micans	G3G5	SU
Buxbaumia minakatae	G2G3	S1	Hygrohypnum montanum	G3G5	S3?
Calliergon sarmentosum	G4G5	S1	Hylocomium pyrenaicum	G4G5	SH
Calliergon trifarium	G4	SH	Hylocomium umbratum	G5	S3
Campylostelium saxicola	G3G5	SH	Hyophila involuta	G4G5	S1
Catoscopium nigratum	G4G5	S1	Isopterygiopsis muelleriana	G5	S3?
Cinclidium stygium	G5	S1	Isopterygium distichaceum	G4G5	S1
Cirriphyllum piliferum	G5	S3	Isothecium stoloniferum	GNR	SH
Conardia compacta	G3G5	S1	Kiaeria blyttii	G5	S1
Conostomum tetragonum	G5	S2	Kiaeria starkei	G5	S1
Cratoneuron commutatum	G4G5	SU	Lindbergia brachyptera	G5	SH
Cynodontium alpestre	G3G5	S1	Meesia longiseta	G4?	SH
Cynodontium strumiferum	G3G5	S1	Meesia triquetra	G5	S1
Desmatodon obtusifolius	G5	S2	Meesia uliginosa	G4	SH
Desmatodon porteri	G3?	S1	Micromitrium austinii	G4	SH
Dichelyma falcatum	G4G5	S1	Micromitrium megalosporum	G4	SH
Dicranella cerviculata	G5?	SH	Mielichhoferia mielichhoferiana	G4?	SH
Dicranella subulata	G5?	SH	Mnium hymenophylloides	G5?	S1
Dicranodontium asperulum	G4G5	S1	Mnium lycopodioides	G5?	SH
Dicranoweisia crispula	G4G5	SX	Myurella julacea	G5	S2
Dicranum elongatum	G5	S1	Neckera complanata	G5	SNR
Didymodon rigidulus	G5	S3	Orthotrichum ohioense	G4	SH
Didymodon tophaceus	G5	S3	Orthotrichum pusillum	G5	SH
Disceium nudum	G3G4	S2?	Orthotrichum sordidum	G5	SH



2004 Rare Plant Status List - Bryophyte List

Scientific Name	Global Rank	State Rank	Scientific Name	Global Rank	State Rank
<i>Orthotrichum stellatum</i>	G5	SH	<i>Sphagnum portoricense</i>	G5	S1
<i>Paludella squarrosa</i>	G3G5	S1	<i>Sphagnum pylaesii</i>	G4	S3?
<i>Philonotis longiseta</i>	G3G4	SU	<i>Sphagnum subfulvum</i>	GNR	S1
<i>Philonotis muehlenbergii</i>	G3G4	SH	<i>Sphagnum tenellum</i>	G5	S2
<i>Physcomitrella patens</i>	G4	SH	<i>Sphagnum trinitense</i>	G4	S1
<i>Physcomitrium hookeri</i>	G2G4	SH	<i>Splachnum ampullaceum</i>	G4	S2
<i>Physcomitrium immersum</i>	G2G3	SH	<i>Splachnum rubrum</i>	G3	SX
<i>Platydictya jungermannioides</i>	G5	S3	<i>Syrrhopodon incompletus</i>	G5	S1?
<i>Platydictya minutissima</i>	G3	S3?	<i>Syrrhopodon texanus</i>	G5	SH
<i>Pleurodium palustre</i>	G5?	SH	<i>Taxiphyllum taxirameum</i>	G4G5	S1
<i>Pogonatum brachyphyllum</i>	G5	SH	<i>Tayloria serrata</i>	G4	SH
<i>Pogonatum dentatum</i>	G3G5	S1	<i>Tetraplodon angustatus</i>	G4	S1
<i>Pogonatum urnigerum</i>	G5	S3	<i>Tetraplodon mnioides</i>	G4	S1
<i>Pohlia atropurpurea</i>	G4G5	SH	<i>Tetrodontium brownianum</i>	G3G4	SH
<i>Pohlia carnea</i>	GNR	SH	<i>Thelia lescurii</i>	G5	SH
<i>Pohlia elongata</i>	G4G5	S2	<i>Thuidium pygmaeum</i>	G4G5	S1
<i>Pohlia filiformis</i>	G4	SH	<i>Thuidium scitum</i>	G3G5	SH
<i>Pohlia lescuriana</i>	G4?	SH	<i>Tomentypnum nitens</i>	G5	S3?
<i>Pohlia prolifera</i>	G4G5	S1	<i>Tortula papillosa</i>	G5	S1
<i>Polytrichum longisetum</i>	G5	SH	<i>Weissia hedwigii</i>	G5	S1
<i>Pottia starkeana</i> ssp. <i>minutula</i>	G5	S1			
<i>Pottia truncata</i> var. <i>major</i>	G3G5T 3T5	S1			
<i>Pseudoleskea patens</i>	G5	SU			
<i>Pseudoleskeella tectorum</i>	G5	SU			
<i>Ptychomitrium incurvum</i>	G4	SH			
<i>Racomitrium aquaticum</i>	G2G4	S1			
<i>Racomitrium canescens</i>	G5	S1S2			
<i>Schwetschkeopsis fabronia</i>	G5	SH			
<i>Scorpidium scorpioides</i>	G4G5	S1S2			
<i>Scorpidium turgescens</i>	G3G5	S1			
<i>Seligeria calcarea</i>	G4?	SH			
<i>Seligeria campylopora</i>	G3G5	S2S3			
<i>Seligeria donniana</i>	G4G5	S2S3			
<i>Seligeria recurvata</i>	G4?	S2S3			
<i>Sematophyllum adnatum</i>	G5	SH			
<i>Sematophyllum demissum</i>	G5	S1			
<i>Sematophyllum marylandicum</i>	G5	SH			
<i>Sphagnum andersonianum</i>	G3?	S2			
<i>Sphagnum angermanicum</i>	G3G4	S1			
<i>Sphagnum annulatum</i>	GNR	S1			
<i>Sphagnum brevifolium</i>	G5T4T5	S1			
<i>Sphagnum carolinianum</i>	G3	S1			
<i>Sphagnum cuspidatum</i>	G5	S4			
<i>Sphagnum jensenii</i>	GU	S1			
<i>Sphagnum lindbergii</i>	G5?	S1			
<i>Sphagnum macrophyllum</i>	G3	S1			
<i>Sphagnum platyphyllum</i>	G5	S1			



2004 Rare Plant Status List – Review List

This review list contains species that may be rare within New York, but more work is needed to determine their distribution within the state, resolve taxonomic/identification problems, etc. before their state rarity can be documented. Within the list you will find the species, their global and estimated state rarity rank, and the reasons why each species is listed. We welcome and encourage anyone to submit comments about these species.

Scientific Name	Common Name	Reasons for including on the review list	Global Rank	State Rank
<i>Agalinis tenuifolia</i> var. <i>macrophylla</i>	Bessey's False-Foxglove	There is some taxonomic confusion with this variety. Judith Canne-Hilliker lumped this under var. <i>tenuifolia</i> , but Mitchell currently has this listed as a unique variety. Kartesz and the USDA Plants Database recognize this as a distinct variety. If recognized separately, it is rare within New York.	G5T4T5	SR
<i>Agalinis tenuifolia</i> var. <i>parviflora</i>	Slender Foxglove	Most authorities recognize this variety. There are very few recent records and this is likely rare. More research on its distribution and clarification of the taxonomy are needed.	G5T4	SR
<i>Andropogon glomeratus</i> var. <i>glomeratus</i>	Bushy Bluestem	This appears to only occur on Long Island and NYC. We need to know how common this is there.	G5T5	S2?
<i>Anemone virginiana</i> var. <i>cylindroidea</i>	Thimbleweed	There are very few records of this variety, but it may be overlooked. All specimens of <i>Anemone virginica</i> need to be reviewed and identified to variety to better determine the rarity of this variety. We also need to determine field characters to identify this variety.	G5TNR	S3?
<i>Aristida longespica</i> var. <i>geniculata</i>	Slender Three-Awn grass	This appears to only occur on Long Island and NYC. We need to know how common this is there. It may be limited to pine barren areas and the sands around coastal plain ponds.	G5T5?	S3?
<i>Aristida longespica</i> var. <i>longespica</i>	Slender Three-Awn grass	This appears to only occur on Long Island and NYC. We need to know how common this is there. It may be limited to pine barren areas and the sands around coastal plain ponds.	G5T5?	S3?
<i>Athyrium felix-femina</i> ssp. <i>asplenioides</i>	Southern Lady Fern	We would like to know if this is rare in the Lower Hudson area and Long Island	G5T5	S3?
<i>Aureolaria flava</i> var. <i>macrantha</i>	Yellow Foxglove	There are only seven records of this variety, with the most recent collection in 1926. There are a number of herbarium specimens not identified to variety. The specimens need to be identified to variety to better determine the rarity of this variety.	G5TNR	S1?
<i>Bromus nottowayanus</i>	Nottoway Brome Grass	Accepted by John Kartesz (1994 checklist) and by Leon Pavlick (Univ. British Columbia, Bromus specialist), although many past authors did not recognize this as a distinct species. Often included under or confused with <i>Bromus purgans</i> , <i>Bromus pubescens</i> , or <i>Bromus latiglumis</i> . The flower has a 5-nerved second glume. Kartesz cites Mitchell (1997) as his source to include New York as part of the range. We need to determine if New York is really a part of the range and if this is a good taxonomic entity worth recognizing. Nothing is known about its New York distribution. Mitchell does not recognize this taxon.	G3G5	SR



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Scientific Name	Common Name	Reasons for including on the review list	Global Rank	State Rank
<i>Cakile edentula</i> var. <i>lacustris</i>	American Sea Rocket	This is restricted to the shores of the Great Lakes where it may be possible to see both varieties. There are many herbarium specimens that need to be identified to variety. We need to hear from the Great Lakes botanists regarding how often they see this variety.	G5T3T5	S3?
<i>Calamagrostis canadensis</i> var. <i>langsдорffii</i>	Bluejoint Grass	This is separated from the more common <i>C. canadensis</i> by a larger inflorescence. If recognized, it is likely a northern taxon reaching its southern limit in New York. All <i>Calamagrostis canadensis</i> specimens need to be annotated to variety to better determine the rarity of this variety. Synonymous with var. <i>scabra</i> .	G5T5	S1?
<i>Calystegia sepium</i> ssp. <i>angulata</i>	Wild Morning Glory	There are no dots in the NY Flora Atlas and little is known about this variety.	G5T5	S?
<i>Carex careyana</i>	Carey's Sedge	Not many occurrences have been seen lately. More herbarium and fieldwork are needed in Central New York to determine if it is rare.	G4G5	S2?
<i>Carex scoparia</i> var. <i>tesselata</i>	Pointed Broom Sedge	There is only a single dot from Suffolk County, attributed to a single collection from Montauk. Reznicek has said it is a good taxon. The Suffolk County specimen needs to be verified and many of the <i>Carex scoparia</i> specimens, particularly those from Suffolk County, need to be identified to variety.	G5TNR	SH?
<i>Carex vesicaria</i> var. <i>distenta</i>	Inflated Sedge	Little is known about this variety.	G5TNR	S?
<i>Carex vesicaria</i> var. <i>jejuna</i>	Inflated Sedge	Little is known about this variety.	G5T5?	S?
<i>Carex vesicaria</i> var. <i>monile</i>	Inflated Sedge	Little is know about this variety.	G5T4	S?
<i>Celastrus scandens</i>	American Bittersweet	The exotic <i>Celastrus orbiculatus</i> may be out-competing this native to the point of rarity. We need current distribution information.	G5	S3S5
<i>Chenopodium missouriense</i>	Missouri Goosefoot	Range-wide studies needed to determine its native status within New York.	G5	SH
<i>Chenopodium foggii</i>	Fogg's Goosefoot	It is unknown if any vouchers exist from New York. Further studies needed to determine the validity of this species.	G3Q	SR
<i>Corallorhiza odontorhiza</i> var. <i>pringlii</i>	Autumn Coral-Root	Little is known about this variety. At the variety level, it is globally rare. The monograph of <i>Corallorhiza</i> by John Freudenstein (Harvard Papers in Botany, 1997) does include New York within the range of this variety, with at least one specimen identified to this variety.	G5T2T4	SR



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Scientific Name	Common Name	Reasons for including on the review list	Global Rank	State Rank
<i>Eleocharis wolffii</i>	Wolf's spikerush	This species has a “wide range” but is apparently rare throughout much of its northern range (NatureServe Explorer 2002). It is poorly known and may be overlooked due to insufficient inventory. It is threatened by the loss of its native wetland and grassland habitat. Fernald lists Long Island as a disjunct population, but Mitchell considers the Long Island populations adventive. Based upon its global distribution, this could be a true native in western New York as there are populations close by in neighboring states. More work is needed to determine its distribution. Closely related taxa should be verified to determine no <i>E. wolffii</i> are hiding in these folders.	G3?	SE
<i>Epilobium ciliatum</i> ssp. <i>glandulosum</i>	Willow-Herb	Specimens need more study to determine native status.	G5T5	SH?
<i>Erigeron philadelphicus</i> var. <i>provancheri</i>	Philadelphia Fleabane	Little is known about this variety.	G5T2?	SR
<i>Eupatorium sessilifolium</i> var. <i>brittonianum</i>	Upland Boneset	Very few herbarium specimens of <i>Eupatorium sessilifolium</i> are identified to variety. This needs to be identified to variety to better determine the rarity of both varieties.	G5T3T5	S?
<i>Eupatorium sessilifolium</i> var. <i>sessilifolium</i>	Upland Boneset	Very few herbarium specimens of <i>Eupatorium sessilifolium</i> are identified to variety. This needs to be identified to variety to better determine the rarity of both varieties.	G5T5	S?
<i>Fuirena squarrosa</i>	Hairy Umbrella-Sedge	A voucher specimen is reportedly located at NYBG. We need to track down this voucher and verify the identification.	G4G5	SX?
<i>Glyceria obtusa</i>	Blunt Manna-Grass	This appears to only occur on Long Island and NYC with a disjunct from Cayuga County. We need to know how common this is on Long Island.	G5	S3?
<i>Huperzia porophila</i>	Rock Clubmoss	Within New York, we do have a single population of <i>Huperzia lucidula</i> x <i>porophila</i> (= <i>H. x bartleyi</i>), but no known populations of <i>Huperzia porophila</i> are located within New York. With this hybrid of <i>H. porophila</i> located within the state, we need to keep an eye open for this species.	G4	SU
<i>Isoetes acadensis</i>	Acadian Quillwort	A specimen from Stoner Lakes has been identified to this species. This is a southern Adirondack lake, typical of the many other lakes throughout the Adirondacks. More surveys are needed to determine if this is known from other shallow acidic lakes. Mitchell does not believe this species is a good entity. It is closely aligned with <i>Isoetes tuckermanii</i> and is known to hybridize with <i>Isoetes lacustris</i> , both well known from the Adirondack Lakes. More studies are needed to determine if there are consistent, dependable morphological characters that may be used to identify this species. The Stoner Lake specimen should also be confirmed to determine that it is not a hybrid with either <i>I. tuckermanii</i> or <i>I. lacustris</i> as one of the parents. Broader studies are needed to determine if this is a good entity or not.	G2G3	S1?
<i>Lathyrus japonicus</i> var. <i>pellitus</i>	Beach-Pea	This appears to only occur on Long Island and NYC. We need to know how common this is on Long Island.	G5T5	S3S4?
<i>Lonicera dioica</i> var. <i>glaucescens</i>	Wild Honeysuckle	There are few records in the atlas. We need to know how common this is.	G5T?	S3?



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Scientific Name	Common Name	Reasons for including on the review list	Global Rank	State Rank
<i>Lupinus perennis</i> ssp. <i>perennis</i>	Wild Lupine	This plant may be declining in New York. More information is needed about present distribution and condition in the state. Herbarium information needs to be recorded and sites reviewed. It is an important food plant for rare butterflies.	G5T4?	S3?
<i>Malus glaucescens</i>	Sweet Crab-Apple	This is a native crabapple from western New York. There is some taxonomic confusion between this and <i>Malus coronaria</i> . All specimens of both species need to be verified to determine their rarity and distribution. More studies are needed to determine if this is a good entity.	G4?Q	S2?
<i>Mertensia paniculata</i> var. <i>paniculata</i>	Tall Bluebells	Specimens need to be verified and a determination needs to be made on its native status.	G5T5	S?
<i>Monarda media</i>	Purple Bergamot	There is some taxonomic confusion around this plant. Some treat it as a species and others as a hybrid. More research on its taxonomic status is needed.	G4?	S2?
<i>Monarda punctata</i> var. <i>punctata</i>	Spotted Bee-Balm	Only known from Suffolk County. We need to know how common this is on Long Island.	G5T5	S1?
<i>Muhlenbergia torreyana</i>	Torrey's Dropseed	A voucher is reportedly located at NYBG. We need to track down this voucher and verify the identification. The <i>Sporobolus</i> folders should also be checked as this was previously known as <i>S. torreyanus</i> and <i>S. compressus</i> .	G3	SX
<i>Nuphar rubrodiscalis</i>	Purple-Spotted Pondlily	Only mentioned here because of the global rank. We need to know how common this is to better determine the global rank.	G3G5	S3S5
<i>Panax quinquefolium</i>	American Ginseng	Ginseng is only mentioned because of the global rank. We need an estimate of the total number of naturally occurring populations known within the state in order to provide ample evidence that the global rank should be a G4.	G3G4	S3S4
<i>Phaseolus polystachios</i> var. <i>polystachios</i>	Wild Kidney Bean	We need to clarify this species native/non-native status and determine its distribution.	G4T4	S1?
<i>Phoradendron leucarpum</i>	American Mistletoe	This plant is mentioned in the literature from Staten Island. We need to locate a voucher and determine if it was ever a native on Staten Island.	G5	SX
<i>Pityopsis falcata</i>	Sickle-Leaf Golden-Aster	Only recorded from Long Island, NYC, and Staten Island, but potentially abundant there. Only included because of the global rank. We need to estimate the total number of populations and population sizes to justify changing its global rank to a G4 or G5.	G3G4	S3?
<i>Polygala cruciata</i> var. <i>aquilonia</i>	Crossleaf Milkwort	We need to check identify of western/central New York material. We also need to know how common this is on Long Island.	G5T4	S3?
<i>Polygala verticillata</i> var. <i>ambigua</i>	Whorled Milkwort	We need to annotate many specimens to variety. The distribution of this variety is not well known.	G5T5?	S3?
<i>Polygala verticillata</i> var. <i>isocycla</i>	Whorled Milkwort	We need to annotate many specimens to variety. The distribution of this variety is not well known.	G5T5	S3?



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Scientific Name	Common Name	Reasons for including on the review list	Global Rank	State Rank
<i>Proserpinaca palustris</i> var. <i>palustris</i>	Mermaid-Weed	There is one dot from Suffolk County. We need to know how common this is on Long Island. Both varieties are present on Long Island, but there are few specimens of this variety.	G5T5	S1?
<i>Ptilimnium capillaceum</i>	Mock Bishop-Weed	Restricted to Long Island. We need to know how common this is on Long Island and the habitats where it is observed.	G5	S3?
<i>Ranunculus abortivus</i> var. <i>eucyclus</i>	Kidney-Leaf Crowfoot	We need to annotate many specimens to variety. The distribution of this variety is not well known.	G5T?	S2?
<i>Rosa blanda</i> var. <i>glabra</i>	Northern Rose	This is a taxonomically questionable entity. We need to annotate many specimens to variety. The distribution of this variety is not well known.	G5T4?Q	S?
<i>Rosa setigera</i> var. <i>tomentosa</i>	Prairie Rose	We need to annotate many specimens to variety. The distribution of this variety is not well known.	G5T5?	S1?
<i>Rudbeckia hirta</i> var. <i>hirta</i>	Black-Eyed Susan	Specimens need more study to determine native status.	G5T4T5	SH
<i>Sisyrinchium montanum</i> var. <i>crebrum</i>	Blue-Eyed Grass	Very few herbarium specimens are identified to variety. We need to identify these to variety and determine its distribution.	G5T4T5	S1?
<i>Solidago canadensis</i> var. <i>hargerii</i>	Canadian Goldenrod	Very few herbarium specimens are identified to variety. We need to identify these to variety and determine its distribution.	G5T4T5	S3?
<i>Solidago rugosa</i> ssp. <i>aspera</i>	Rough-Leaf Goldenrod	Very few herbarium specimens are identified to subspecies. We need to identify these to subspecies and determine its distribution.	G5T5	S1
<i>Solidago rugosa</i> var. <i>sphagnophila</i>	Rough-Leaf Goldenrod	Very few herbarium specimens are identified to variety. We need to identify these to variety and determine its distribution.	G5T3T5	SH
<i>Solidago rugosa</i> ssp. <i>rugosa</i> var. <i>villosa</i>	Rough-Leaf Goldenrod	Very few herbarium specimens are identified to variety. We need to identify these to variety and determine its distribution.	G5T?	S?
<i>Solidago uliginosa</i> var. <i>levipes</i>	Bog Goldenrod	Very few herbarium specimens are identified to variety. We need to identify these to variety and determine its distribution. NatureServe includes only Ontario and New York as the range of this plant. Not listed by Mitchell.	G4G5T?	SR
<i>Solidago uliginosa</i> var. <i>linoides</i>	Bog Goldenrod	Very few herbarium specimens are identified to variety. We need to identify these to variety and determine its distribution.	G4G5T4T5	S?
<i>Solidago uliginosa</i> var. <i>uliginosa</i>	Bog Goldenrod	Very few herbarium specimens are identified to variety. We need to identify these to variety and determine its distribution.	G4G5T4T5	S?
<i>Spiraea tomentosa</i> var. <i>rosea</i>	Hardhack Spiraea	Very few herbarium specimens are identified to variety. We need to identify these to variety and determine its distribution.	G5T5	S?



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Scientific Name	Common Name	Reasons for including on the review list	Global Rank	State Rank
<i>Symphotrichum lancolatum</i> var. <i>hirsuticaule</i>	Calico Aster	The specimens need more study to separate the varieties. Some sources list this taxon at the species level (<i>Symphotrichum hirsuticaule</i>).	G5TNR	SH
<i>Symphotrichum novi-belgii</i> var. <i>villicaule</i>	New York Aster	Based upon the NY Flora Atlas, this is a northern species with a very restricted distribution in New York. Very few herbarium specimens of <i>Aster novi-belgii</i> are identified to variety. The specimens need to be identified to variety to better determine the rarity of this variety.	G5TNR	S3?
<i>Toxicodendron radicans</i> ssp. <i>negundo</i>	Poison Ivy	Very few herbarium specimens are identified to variety. We need to identify these to variety and determine its distribution.	G5T5	S?
<i>Toxicodendron rydbergii</i>	Northern Poison Oak	We need more records to determine rarity. In particular, we need to know how abundant this may or may not be within the Adirondacks.	G5	S3?
<i>Zizania aquatica</i>	Wild Rice	The specimens need to be annotated and separated. Many people call all rice grass <i>Zizania aquatica</i> without looking at the keys. Is there a distribution difference? We presume that <i>Zizania aquatica</i> is very common, but <i>Zizania palustris</i> may be rarer.	G5	S5
<i>Zizania palustris</i>	Wild Rice	We need to review all <i>Zizania aquatica</i> and <i>Zizania palustris</i> specimens to determine complete distribution and rarity of <i>Zizania palustris</i> . Very few specimens are located in herbaria, but many may be filed under <i>Zizania aquatica</i> .	G4G5	S?



Appendix I: NYS DEC Protected Plant List

193.3 Protected native plants.

(a) All plants enumerated on the lists of endangered species in subdivision (b) of this section, threatened species in subdivision (c) of this section, rare species in subdivision (d) of this section, or exploitably vulnerable species in subdivision (e) of this section are protected native plants pursuant to section 9-1503 of the Environmental Conservation Law. The common names contained on these lists are included for information purposes only; the scientific name shall be used for the purpose of determining any violation. Site means a colony or colonies of plants separated from other colonies by at least one-half mile.

(b) The following are **endangered** native plants in danger of extirpation throughout all or a significant portion of their ranges within the state and requiring remedial action to prevent such extinction. Listed plants are those with five or fewer extant sites, or fewer than 1,000 individuals, or restricted to fewer than four U.S.G.S. 7 1/2 minute series maps, or species listed as endangered by the United States Department of Interior in the *Code of Federal Regulations*.

Species	Common Name
<i>Acalypha virginica</i> var. <i>virginica</i>	VIRGINIA THREE-SEEDED MERCURY
<i>Adoxa moschatellina</i>	MOSCHATEL
<i>Agalinis acuta</i>	SANDPLAIN GERARDIA
<i>Allium burdickii</i>	WILD LEEK
<i>Amaranthus pumilus</i>	SEABEACH AMARANTH
<i>Amelanchier nantucketensis</i>	NANTUCKET JUNE BERRY
<i>Ammophila champlainensis</i>	CHAMPLAIN BEACHGRASS
<i>Amphicarpum purshii</i>	PEANUT GRASS
<i>Angelica lucida</i>	ANGELICA
<i>Anthoxanthum monticolum</i> ssp. <i>orthanthum</i>	ALPINE SWEETGRASS
<i>Aplectrum hyemale</i>	PUTTYROOT
<i>Arabis drummondii</i>	DRUMMOND'S ROCK CRESS
<i>Arabis shortii</i>	TOOTHED ROCK-CRESS
<i>Aristolochia serpentaria</i>	VIRGINIA SNAKEROOT
<i>Arnica lanceolata</i>	ARNICA
<i>Artemisia campestris</i> var. <i>borealis</i>	WILD SAGE
<i>Asclepias variegata</i>	WHITE MILKWEED
<i>Asplenium bradleyi</i>	BRADLEY'S SPLEENWORT
<i>Asplenium trichomanes-ramosum</i>	GREEN SPLEENWORT
<i>Aster ciliolatus</i>	LINDLEY'S ASTER
<i>Aster concolor</i>	SILVERY ASTER
<i>Aster laevis</i> var. <i>concinus</i>	SMOOTH BLUE ASTER
<i>Aster lanceolatus</i> var. <i>interior</i>	TALL WHITE ASTER
<i>Aster lateriflorus</i> var. <i>hirsuticaulis</i>	CALICO ASTER
<i>Aster oolentangiensis</i>	SKY-BLUE ASTER
<i>Aster puniceus</i> var. <i>firmus</i>	CORNEL-LEAVED ASTER
<i>Aster radula</i>	SWAMP ASTER
<i>Astragalus neglectus</i>	COOPER'S MILKVETCH
<i>Atriplex glabriuscula</i>	SEASIDE ORACH
<i>Atriplex subspicata</i>	ORACHE
<i>Bartonia paniculata</i>	SCREW-STEM



Appendix I: NYS DEC Protected Plant List

<i>Betula glandulosa</i>	TUNDRA DWARF BIRCH
<i>Betula minor</i>	DWARF WHITE BIRCH
<i>Bidens hyperborea</i>	ESTUARY BEGGAR-TICKS
<i>Blephilia ciliata</i>	DOWNY WOOD-MINT
<i>Botrychium campestre</i>	PRAIRIE DUNEWORT
<i>Botrychium lunaria</i>	MOONWORT
<i>Botrychium minganense</i>	MINGAN MOONWORT
<i>Botrychium oneidense</i>	BLUNT-LOBE GRAPE FERN
<i>Botrychium rugulosum</i>	RUGULOSE GRAPE FERN
<i>Bouteloua curtipendula</i>	SIDE-OATS GRAMA
<i>Buchnera americana</i>	BLUE-HEARTS
<i>Cacalia suaveolens</i>	SWEET-SCENTED INDIAN-PLANTAIN
<i>Calamagrostis perplexa</i>	WOOD REEDGRASS
<i>Calamagrostis porteri</i> ssp. <i>porteri</i>	PORTER'S REEDGRASS
<i>Calamagrostis stricta</i> ssp. <i>stricta</i>	NORTHERN REEDGRASS
<i>Callitriche hermaphroditica</i>	AUTUMNAL WATER-STARWORT
<i>Calypso bulbosa</i>	CALYPSO
<i>Cardamine rotundifolia</i>	MOUNTAIN WATERCRESS
<i>Carex aggregata</i>	GLOMERATE SEDGE
<i>Carex amphibola</i> var. <i>amphibola</i>	NARROW-LEAVED SEDGE
<i>Carex arcta</i>	NORTHERN CLUSTERED SEDGE
<i>Carex atherodes</i>	AWNED SEDGE
<i>Carex atratiformis</i>	BLACK SEDGE
<i>Carex barrattii</i>	BARRATT'S SEDGE
<i>Carex bullata</i>	BUTTON SEDGE
<i>Carex capillaris</i>	HAIR-LIKE SEDGE
<i>Carex caroliniana</i>	CAROLINA SEDGE
<i>Carex collinsii</i>	COLLINS' SEDGE
<i>Carex conjuncta</i>	SOFT FOX SEDGE
<i>Carex decomposita</i>	CYPRESS-KNEE SEDGE
<i>Carex emoryi</i>	EMORY'S SEDGE
<i>Carex flaccosperma</i> var. <i>glaucodea</i>	GLAUCOUS SEDGE
<i>Carex frankii</i>	FRANK'S SEDGE
<i>Carex garberi</i>	ELK SEDGE
<i>Carex gynocrates</i>	NORTHERN BOG SEDGE
<i>Carex haydenii</i>	CLOUD SEDGE
<i>Carex laxiflora</i> var. <i>serrulata</i>	LOOSE-FLOWERED SEDGE
<i>Carex livida</i> var. <i>radiculis</i>	LIVID SEDGE
<i>Carex meadii</i>	MEAD'S SEDGE
<i>Carex mesochorea</i>	MIDLAND SEDGE
<i>Carex nigra</i>	BLACK SEDGE
<i>Carex nigromarginata</i>	BLACK-EDGE SEDGE
<i>Carex retroflexa</i>	REFLEXED SEDGE
<i>Carex scirpoidea</i>	CANADIAN SINGLE-SPIKE SEDGE
<i>Carex shortiana</i>	SHORT'S SEDGE
<i>Carex straminea</i>	STRAW SEDGE
<i>Carex striatula</i>	LINED SEDGE



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<i>Carex styloflexa</i>	BENT SEDGE
<i>Carex sychnocephala</i>	MANY-HEAD SEDGE
<i>Carex tenuiflora</i>	SPARSE-FLOWERED SEDGE
<i>Carex tinctoria</i>	TINGED SEDGE
<i>Carex vaginata</i>	SHEATHED SEDGE
<i>Carex venusta</i> var. <i>minor</i>	GRACEFUL SEDGE
<i>Carex wiegandii</i>	WIEGAND'S SEDGE
<i>Castilleja coccinea</i>	SCARLET INDIAN-PAINTBRUSH
<i>Ceanothus herbaceus</i>	PRAIRIE REDROOT
<i>Chaerophyllum procumbens</i>	SPREADING CHERVIL
<i>Chasmanthium laxum</i>	SLENDER SPIKEGRASS
<i>Cheilanthes lanosa</i>	WOOLY LIP-FERN
<i>Chenopodium album</i> var. <i>missouriense</i>	MISSOURI GOOSEFOOT
<i>Chenopodium berlandieri</i> var. <i>macrocalycium</i>	LARGE CALYX GOOSEFOOT
<i>Collinsia verna</i>	BLUE-EYED-MARY
<i>Corallorhiza striata</i>	STRIPED CORALROOT
<i>Corema conradii</i>	BROOM CROWBERRY
<i>Cornus drummondii</i>	ROUGH-LEAF DOGWOOD
<i>Crassula aquatica</i>	PIGMYWEED
<i>Crataegus berberifolia</i>	HAWTHORN
<i>Crataegus compacta</i>	COMPACT HAWTHORN
<i>Crataegus mollis</i>	DOWNY HAWTHORN
<i>Crataegus uniflora</i>	DWARF HAWTHORN
<i>Crotalaria sagittalis</i>	RATTLEBOX
<i>Cuscuta cephalanthi</i>	BUTTON-BUSH DODDER
<i>Cuscuta obtusiflora</i> var. <i>glandulosa</i>	SOUTHERN DODDER
<i>Cuscuta polygonorum</i>	SMARTWEED DODDER
<i>Cynoglossum virginianum</i> var. <i>boreale</i>	NORTHERN WILD COMFREY
<i>Cynoglossum virginianum</i> var. <i>virginianum</i>	WILD COMFREY
<i>Cyperus echinatus</i>	GLOBOSE FLATSEDEGE
<i>Cyperus flavescens</i> var. <i>flavescens</i>	YELLOW FLATSEDEGE
<i>Cyperus polystachyos</i> var. <i>texensis</i>	COAST FLATSEDEGE
<i>Cyperus retrorsus</i>	RETRORSE FLATSEDEGE
<i>Cypripedium candidum</i>	SMALL WHITE LADYSLIPPER
<i>Cypripedium parviflorum</i> var. <i>parviflorum</i>	SMALL YELLOW LADYSLIPPER
<i>Cystopteris protrusa</i>	LOWLAND FRAGILE FERN
<i>Descurainia pinnata</i> ssp. <i>brachycarpa</i>	NORTHERN TANSEY-MUSTARD
<i>Desmodium humifusum</i>	SPREADING TICK-CLOVER
<i>Desmodium laevigatum</i>	SMOOTH TICK-CLOVER
<i>Desmodium nuttallii</i>	NUTTALL'S TICK-CLOVER
<i>Desmodium obtusum</i>	BEGGAR-LICE
<i>Desmodium pauciflorum</i>	SMALL-FLOWERED TICK-CLOVER
<i>Diarrhena obovata</i>	BEAKGRASS
<i>Diplachne maritima</i>	SALT-MEADOW GRASS
<i>Draba glabella</i>	ROCK-CRESS
<i>Dracocephalum parviflorum</i>	AMERICAN DRAGONHEAD
<i>Dryopteris celsa</i>	LOG FERN



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<i>Dryopteris fragrans</i>	FRAGRANT CLIFF FERN
<i>Eclipta prostrata</i>	YERBA-DE-TAGO
<i>Elatine americana</i>	AMERICAN WATERWORT
<i>Eleocharis elliptica</i> var. <i>pseudoptera</i>	SLENDER SPIKERUSH
<i>Eleocharis engelmannii</i>	ENGELMANN'S SPIKERUSH
<i>Eleocharis fallax</i>	CREEPING SPIKERUSH
<i>Eleocharis obtusa</i> var. <i>ovata</i>	BLUNT SPIKERUSH
<i>Eleocharis quadrangulata</i>	ANGLED SPIKERUSH
<i>Eleocharis tricostata</i>	THREE-RIBBED SPIKERUSH
<i>Empetrum eamesii</i> ssp. <i>atropurpureum</i>	PURPLE CROWBERRY
<i>Epilobium ciliatum</i> ssp. <i>glandulosum</i>	WILLOW-HERB
<i>Epilobium hornemannii</i>	ALPINE WILLOW-HERB
<i>Equisetum laevigatum</i>	SMOOTH SCOURING RUSH
<i>Erechtites hieracifolia</i> var. <i>megalocarpa</i>	FIREWEED
<i>Erigenia bulbosa</i>	HARBINGER-OF-SPRING
<i>Erigeron hyssopifolius</i>	DAISY FLEABANE
<i>Eriophorum angustifolium</i> ssp. <i>scabriusculum</i>	NARROW-LEAF COTTONGRASS
<i>Euonymus americana</i>	AMERICAN STRAWBERRY-BUSH
<i>Eupatorium aromaticum</i>	SMALL WHITE SNAKEROOT
<i>Eupatorium leucolepis</i> var. <i>leucolepis</i>	WHITE BONESET
<i>Eupatorium rotundifolium</i> var. <i>ovatum</i>	ROUND-LEAF BONESET
<i>Eupatorium rotundifolium</i> var. <i>rotundifolium</i>	ROUND-LEAF BONESET
<i>Eupatorium serotinum</i>	LATE BONESET
<i>Euphorbia ipecacuanhae</i>	IPECAC SPURGE
<i>Festuca saximontana</i>	SHEEP FESCUE
<i>Galium concinnum</i>	SHINING BEDSTRAW
<i>Galium kamschaticum</i>	NORTHERN WILD-LICORICE
<i>Gaylussacia dumosa</i> var. <i>bigeloviana</i>	DWARF HUCKLEBERRY
<i>Gentiana saponaria</i>	SOAPWORT GENTIAN
<i>Gentianopsis procera</i>	LESSER FRINGED GENTIAN
<i>Geocaulon lividum</i>	PURPLE COMANDRA
<i>Geum vernum</i>	SPRING AVENS
<i>Geum virginianum</i>	ROUGH AVENS
<i>Gnaphalium helleri</i> var. <i>micradenium</i>	CATFOOT
<i>Gnaphalium purpureum</i>	PURPLE EVERLASTING
<i>Gnaphalium sylvaticum</i>	WOODLAND CUDWEED
<i>Gymnocladus dioica</i>	KENTUCKY COFFEE TREE
<i>Hackelia deflexa</i> var. <i>americana</i>	NORTHERN STICKSEED
<i>Halenia deflexa</i>	SPURRED GENTIAN
<i>Hippuris vulgaris</i>	MARE'S-TAIL
<i>Houstonia purpurea</i> var. <i>calycosa</i>	PURPLE BLUETS
<i>Houstonia purpurea</i> var. <i>purpurea</i>	PURPLE BLUETS
<i>Huperzia selago</i>	FIR CLUBMOSS
<i>Hydrangea arborescens</i>	WILD HYDRANGEA
<i>Hydrocotyle ranunculoides</i>	FLOATING PENNYWORT
<i>Hydrocotyle verticillata</i>	WATER-PENNYWORT
<i>Hypericum adpressum</i>	CREEPING ST. JOHN'S-WORT



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<i>Hypericum densiflorum</i>	BUSHY ST. JOHN'S-WORT
<i>Hypericum denticulatum</i>	COPPERY ST. JOHN'S-WORT
<i>Hypericum hypericoides</i> ssp. <i>multicaule</i>	ST. ANDREW'S CROSS
<i>Ipomoea pandurata</i>	WILD POTATO-VINE
<i>Isoetes riparia</i>	QUILLWORT
<i>Isotria medeoloides</i>	SMALL WHORLED POGONIA
<i>Juncus ambiguus</i>	DOUBTFUL TOAD-RUSH
<i>Juncus brachycarpus</i>	SHORT-FRUIT RUSH
<i>Juncus debilis</i>	WEAK RUSH
<i>Juncus ensifolius</i>	ENSIFORM RUSH
<i>Juncus marginatus</i> var. <i>biflorus</i>	LARGE GRASS-LEAVED RUSH
<i>Juncus scirpoides</i>	SCIRPUS-LIKE RUSH
<i>Juncus stygius</i> ssp. <i>americanus</i>	MOOR-RUSH
<i>Juncus subcaudatus</i>	WOODS-RUSH
<i>Juniperus horizontalis</i>	PROSTRATE JUNIPER
<i>Lachnanthes caroliniana</i>	CAROLINA REDROOT
<i>Lactuca floridana</i>	FALSE LETTUCE
<i>Lactuca hirsuta</i>	DOWNY LETTUCE
<i>Lathyrus venosus</i>	ROUGH VEINY VETCHLING
<i>Lechea pulchella</i> var. <i>moniliformis</i>	BEAD PINWEED
<i>Lemna perpusilla</i>	MINUTE DUCKWEED
<i>Lemna valdiviana</i>	PALE DUCKWEED
<i>Leucospora multifida</i>	LEUCOSPORA
<i>Liatris cylindracea</i>	SLENDER BLAZING-STAR
<i>Ligusticum scoticum</i>	SCOTCH LOVAGE
<i>Lilium michiganense</i>	MICHIGAN LILY
<i>Linum medium</i> var. <i>medium</i>	WILD FLAX
<i>Liparis liliifolia</i>	LARGE TWAYBLADE
<i>Lipocarpus micrantha</i>	DWARF BULRUSH
<i>Listera auriculata</i>	AURICLED TWAYBLADE
<i>Listera australis</i>	SOUTHERN TWAYBLADE
<i>Listera convallarioides</i>	BROAD-LIPPED TWAYBLADE
<i>Lithospermum carolinense</i> ssp. <i>croceum</i>	GOLDEN PUCCOON
<i>Littorella uniflora</i>	AMERICAN SHORE-GRASS
<i>Loiseleuria procumbens</i>	ALPINE AZALEA
<i>Luzula spicata</i>	SPIKED WOODTHRUSH
<i>Lycopodiella caroliniana</i>	CAROLINA CLUBMOSS
<i>Lycopodium complanatum</i>	NORTHERN RUNNING-PINE
<i>Lycopodium sitchense</i>	SITKA CLUBMOSS
<i>Lycopus rubellus</i>	GYPSY-WORT
<i>Lycopodium palmatum</i>	CLIMBING FERN
<i>Lysimachia hybrida</i>	LANCE-LEAVED LOOSESTRIFE
<i>Lysimachia quadriflora</i>	FOUR-FLOWERED LOOSESTRIFE
<i>Lythrum lineare</i>	SALTMARSH LOOSESTRIFE
<i>Magnolia virginiana</i>	SWEETBAY MAGNOLIA
<i>Malaxis bayardii</i>	BAYARD'S MALAXIS
<i>Malus glaucescens</i>	AMERICAN CRAB



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<i>Melanthium virginicum</i>	VIRGINIA BUNCHFLOWER
<i>Monarda clinopodia</i>	BASIL-BALM
<i>Myriophyllum pinnatum</i>	GREEN PARROT'S-FEATHER
<i>Najas guadalupensis</i> var. <i>muenschleri</i>	MUENSCHER'S NAIAD
<i>Najas guadalupensis</i> var. <i>olivacea</i>	SOUTHERN NAIAD
<i>Najas marina</i>	HOLLY-LEAVED NAIAD
<i>Oenothera laciniata</i>	CUT-LEAVED EVENING-PRIMROSE
<i>Oldenlandia uniflora</i>	CLUSTERED BLUEETS
<i>Onosmodium virginianum</i>	VIRGINIA FALSE GROMWELL
<i>Oryzopsis canadensis</i>	CANADA RICEGRASS
<i>Oxypolis rigidior</i>	STIFF COWBANE
<i>Panicum leibergii</i>	LEIBERG'S PANIC GRASS
<i>Panicum oligosanthes</i> var. <i>oligosanthes</i>	FEW-FLOWERED PANIC GRASS
<i>Panicum scabriusculum</i>	PANIC GRASS
<i>Panicum scoparium</i>	VELVET PANIC GRASS
<i>Panicum stipitatum</i>	TALL FLAT PANIC GRASS
<i>Panicum wrightianum</i>	WRIGHT'S PANIC GRASS
<i>Paspalum laeve</i> var. <i>circulare</i>	ROUND FIELD BEADGRASS
<i>Paspalum laeve</i> var. <i>pilosum</i>	HAIRY FIELD BEADGRASS
<i>Paspalum setaceum</i> var. <i>psammophilum</i>	SLENDER BEADGRASS
<i>Petasites frigidus</i> var. <i>palmatus</i>	SWEET COLTSFOOT
<i>Phlox maculata</i>	WILD SWEET-WILLIAM
<i>Phlox pilosa</i>	DOWNY PHLOX
<i>Physalis pubescens</i> var. <i>integrifolia</i>	GROUND-CHERRY
<i>Physalis virginiana</i>	VIRGINIA GROUND-CHERRY
<i>Physocarpus opulifolius</i> var. <i>intermedius</i>	NINEBARK
<i>Pinus virginiana</i>	VIRGINIA PINE
<i>Platanthera ciliaris</i>	ORANGE FRINGED ORCHIS
<i>Platanthera cristata</i>	CRESTED FRINGED ORCHIS
<i>Platanthera hookeri</i>	HOOKER'S ORCHID
<i>Platanthera leucophaea</i>	PRAIRIE FRINGED ORCHID
<i>Poa cuspidata</i>	BLUEGRASS
<i>Poa fernaldiana</i>	FERNALD BLUEGRASS
<i>Poa glauca</i>	WHITE BLUEGRASS
<i>Poa interior</i>	INLAND BLUEGRASS
<i>Poa paludigena</i>	SLENDER MARSH BLUEGRASS
<i>Poa sylvestris</i>	WOODLAND BLUEGRASS
<i>Polygala lutea</i>	YELLOW MILKWORT
<i>Polygonum buxiforme</i>	SMALL'S KNOTWEED
<i>Polygonum erectum</i>	ERECT KNOTWEED
<i>Polygonum setaceum</i> var. <i>interjectum</i>	SWAMP SMARTWEED
<i>Polymnia uvedalia</i>	BEAR'S-FOOT
<i>Polystichum lonchitis</i>	NORTHERN HOLLY-FERN
<i>Potamogeton diversifolius</i>	WATER-THREAD PONDWEED
<i>Potamogeton filiformis</i> var. <i>alpinus</i>	SLENDER PONDWEED
<i>Potamogeton filiformis</i> var. <i>occidentalis</i>	SHEATHED PONDWEED
<i>Potamogeton ogednii</i>	OGDEN'S PONDWEED



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<i>Potamogeton strictifolius</i>	STRAIGHT-LEAF PONDWEED
<i>Potentilla paradoxa</i>	BUSHY CINQUEFOIL
<i>Prenanthes boottii</i>	BOOTT'S RATTLESNAKE-ROOT
<i>Prenanthes crepidinea</i>	NODDING RATTLESNAKE-ROOT
<i>Prenanthes nana</i>	DWARF RATTLESNAKE-ROOT
<i>Prunus pumila</i> var. <i>pumila</i>	LOW SAND-CHERRY
<i>Ptelea trifoliata</i>	WAFER-ASH
<i>Pterospora andromedea</i>	GIANT PINE-DROPS
<i>Pycnanthemum clinopodioides</i>	MOUNTAIN-MINT
<i>Pycnanthemum torrei</i>	TORREY'S MOUNTAIN-MINT
<i>Pycnanthemum verticillatum</i> var. <i>pilosum</i>	WHORLED MOUNTAIN-MINT
<i>Pyrola minor</i>	MOUNTAIN PYROLA
<i>Pyxidanthera barbulata</i>	PIXIES
<i>Quercus phellos</i>	WILLOW OAK
<i>Ranunculus cymbalaria</i>	SEASIDE CROWFOOT
<i>Ranunculus hispidus</i> var. <i>nitidus</i>	SWAMP BUTTERCUP
<i>Rhododendron lapponicum</i>	LAPLAND ROSEBAY
<i>Rhynchospora torreyana</i>	TORREY'S BEAKRUSH
<i>Rosa acicularis</i> ssp. <i>sayi</i>	PRICKLY ROSE
<i>Rosa nitida</i>	SHINING ROSE
<i>Rubus cuneifolius</i>	SAND BLACKBERRY
<i>Rudbeckia hirta</i> var. <i>hirta</i>	BLACK-EYED-SUSAN
<i>Rumex hastatulus</i>	HEART SORREL
<i>Rumex maritimus</i> var. <i>fueginus</i>	GOLDEN DOCK
<i>Sabatia angularis</i>	ROSE-PINK
<i>Sabatia campanulata</i>	SLENDER MARSH-PINK
<i>Sagina decumbens</i>	SMALL-FLOWERED PEARLWORT
<i>Sagittaria teres</i>	QUILL-LEAF ARROWHEAD
<i>Salix cordata</i>	SAND DUNE WILLOW
<i>Salix herbacea</i>	DWARF WILLOW
<i>Salvia lyrata</i>	LYRE-LEAF SAGE
<i>Saxifraga oppositifolia</i>	PURPLE MOUNTAIN-SAXIFRAGE
<i>Saxifraga paniculata</i>	WHITE MOUNTAIN-SAXIFRAGE
<i>Schizaea pusilla</i>	CURLYGRASS
<i>Scirpus clintonii</i>	CLINTON'S CLUBRUSH
<i>Scirpus georgianus</i>	GEORGIA BULRUSH
<i>Scirpus heterochaetus</i>	SLENDER BULRUSH
<i>Scirpus maritimus</i>	SEASIDE BULRUSH
<i>Scirpus novae-angliae</i>	SALTMARSH BULRUSH
<i>Scleria minor</i>	SLENDER NUTRUSH
<i>Scleria pauciflora</i> var. <i>caroliniana</i>	FEWFLOWER NUTRUSH
<i>Scleria reticularis</i> var. <i>pubescens</i>	RETICULATE NUTRUSH
<i>Scleria verticillata</i>	LOW NUTRUSH
<i>Scutellaria incana</i>	HOARY SKULLCAP
<i>Scutellaria integrifolia</i>	HYSSOP-SKULLCAP
<i>Sedum integrifolium</i> ssp. <i>leedyi</i>	LEEDY'S ROSEROOT
<i>Sedum rosea</i>	ROSE-ROOT



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<i>Sedum telephioides</i>	LIVE-FOREVER
<i>Sesuvium maritimum</i>	SEA PURSLANE
<i>Sisyrinchium mucronatum</i>	MICHAUX'S BLUE-EYED-GRASS
<i>Smilax pseudo-china</i>	FALSE CHINA-ROOT
<i>Smilax puberulenta</i>	JACOB'S-LADDER
<i>Solidago elliotii</i>	COASTAL GOLDENROD
<i>Solidago houghtonii</i>	HOUGHTON'S GOLDENROD
<i>Solidago rugosa</i> ssp. <i>aspera</i>	ROUGH GOLDENROD
<i>Solidago rugosa</i> var. <i>sphagnophila</i>	TALL HAIRY GOLDENROD
<i>Solidago sempervirens</i> var. <i>mexicana</i>	SEASIDE GOLDENROD
<i>Solidago simplex</i> var. <i>racemosa</i>	MOUNTAIN GOLDENROD
<i>Sphenopholis obtusata</i> var. <i>obtusata</i>	PRAIRIE WEDGEGRASS
<i>Sphenopholis pennsylvanica</i>	SWAMP OATS
<i>Spiraea septentrionalis</i>	MOUNTAIN MEADOWSWEET
<i>Spiranthes vernalis</i>	SPRING LADIES'-TRESSES
<i>Sporobolus clandestinus</i>	ROUGH RUSH-GRASS
<i>Strophostyles umbellata</i>	PINK WILD BEAN
<i>Suaeda linearis</i>	NARROW-LEAF SEA-BLITE
<i>Suaeda rolandii</i>	ROLAND'S SEA-BLITE
<i>Subularia aquatica</i> var. <i>americana</i>	WATER AWLWORT
<i>Thalictrum venulosum</i>	VEINY MEADOW-RUE
<i>Tipularia discolor</i>	CRANEFLY ORCHID
<i>Tofieldia glutinosa</i>	STICKY FALSE ASPHODEL
<i>Trichomanes intricatum</i>	FILMY FERN
<i>Trichostema setaceum</i>	TINY BLUE-CURLS
<i>Trillium flexipes</i>	NODDING TRILLIUM
<i>Trillium sessile</i>	TOAD-SHADE
<i>Tripbora trianthophora</i>	NODDING POGONIA
<i>Trisetum melicoides</i>	MELIC-OATS
<i>Utricularia inflata</i>	LARGE FLOATING BLADDERWORT
<i>Uvularia puberula</i> var. <i>nitida</i>	MOUNTAIN BELLWORT
<i>Vaccinium cespitosum</i>	DWARF BLUEBERRY
<i>Valeriana uliginosa</i>	MARSH VALERIAN
<i>Valerianella chenopodiifolia</i>	GOOSEFOOT CORN-SALAD
<i>Valerianella umbilicata</i>	CORN-SALAD
<i>Vernonia gigantea</i>	TALL IRONWEED
<i>Viburnum nudum</i> var. <i>nudum</i>	POSSUM-HAW
<i>Viola brittoniana</i> var. <i>brittoniana</i>	COASTAL VIOLET
<i>Viola hirsutula</i>	SOUTHERN WOOD VIOLET
<i>Viola nephrophylla</i>	NORTHERN BOG VIOLET
<i>Viola novae-angliae</i>	NEW ENGLAND VIOLET
<i>Vitis vulpina</i>	WINTER GRAPE
<i>Vittaria appalachiana</i>	APPALACHIAN VITTARIA
<i>Woodsia alpina</i>	ALPINE WOODSIA
<i>Woodsia glabella</i>	SMOOTH WOODSIA



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(c) The following are **threatened** native plants that are likely to become endangered within the foreseeable future throughout all or a significant portion of their ranges in the state. Listed plants are those with six to fewer than 20 extant sites, or 1,000 to fewer than 3,000 individuals, or restricted to not less than four or more than seven U.S.G.S. 7 1/2 minute series maps, or species listed as threatened by the United State Department of Interior in the Code of Federal Regulations.

Species	Common Name
<i>Aconitum noveboracense</i>	NORTHERN MONK'S-HOOD
<i>Agalinis paupercula</i> var. <i>borealis</i>	NORTHERN GERARDIA
<i>Agastache nepetoides</i>	YELLOW GIANT-HYSSOP
<i>Agrimonia rostellata</i>	WOODLAND AGRIMONY
<i>Agrostis mertensii</i>	NORTHERN BENTGRASS
<i>Aletris farinosa</i>	STARGRASS
<i>Allium cernuum</i>	WILD ONION
<i>Arabis missouriensis</i>	GREEN ROCK-CRESS
<i>Arethusa bulbosa</i>	SWAMP PINK
<i>Asclepias viridiflora</i>	GREEN MILKWEED
<i>Asimina triloba</i>	PAWPAW
<i>Asplenium montanum</i>	MOUNTAIN SPLEENWORT
<i>Asplenium scolopendrium</i> var. <i>americanum</i>	HART'S-TONGUE FERN
<i>Aster borealis</i>	RUSH ASTER
<i>Aster pilosus</i> var. <i>pringlei</i>	HEATH ASTER
<i>Aster solidagineus</i>	FLAX-LEAF WHITETOP
<i>Aster spectabilis</i>	SHOWY ASTER
<i>Aster subulatus</i>	SALTMARSH ASTER
<i>Betula pumila</i>	SWAMP BIRCH
<i>Bidens laevis</i>	SMOOTH BUR-MARIGOLD
<i>Calamagrostis stricta</i> ssp. <i>inexpansa</i>	NORTHERN REEDGRASS
<i>Callitriche terrestris</i>	TERRESTRIAL STARWORT
<i>Cardamine longii</i>	LONG'S BITTERCRESS
<i>Carex abscondita</i>	THICKET SEDGE
<i>Carex backii</i>	ROCKY MOUNTAIN SEDGE
<i>Carex bicknellii</i>	BICKNELL'S SEDGE
<i>Carex bigelowii</i>	BIGELOW'S SEDGE
<i>Carex buxbaumii</i>	BROWN BOG SEDGE
<i>Carex chordorrhiza</i>	CREEPING SEDGE
<i>Carex crawei</i>	CRAWE'S SEDGE
<i>Carex cumulata</i>	CLUSTERED SEDGE
<i>Carex davisii</i>	DAVIS' SEDGE
<i>Carex formosa</i>	HANDSOME SEDGE
<i>Carex hitchcockiana</i>	HITCHCOCK'S SEDGE
<i>Carex hormathodes</i>	MARSH STRAW SEDGE
<i>Carex houghtoniana</i>	HOUGHTON'S SEDGE
<i>Carex jamesii</i>	NEBRASKA SEDGE
<i>Carex merritt-fernaldii</i>	FERNALD'S SEDGE
<i>Carex mitchelliana</i>	MITCHELL'S SEDGE
<i>Carex molesta</i>	TROUBLESOME SEDGE



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<i>Carex sartwellii</i>	SARTWELL'S SEDGE
<i>Carex schweinitzii</i>	SCHWEINITZ' SEDGE
<i>Carex seorsa</i>	WEAK STELLATE SEDGE
<i>Carex typhina</i>	CAT-TAIL SEDGE
<i>Carex willdenowii</i>	WILLDENOW'S SEDGE
<i>Carya laciniosa</i>	BIG SHELLBARK HICKORY
<i>Cenchrus tribuloides</i>	DUNE SANDSPUR
<i>Ceratophyllum echinatum</i>	PRICKLY HORNWORT
<i>Chamaelirium luteum</i>	BLAZING-STAR
<i>Chenopodium rubrum</i>	RED PIGWEED
<i>Corydalis aurea</i>	GOLDEN CORYDALIS
<i>Cyperus lupulinus</i> ssp. <i>lupulinus</i>	HOP SEDGE
<i>Cypripedium arietinum</i>	RAM'S-HEAD LADYSLIPPER
<i>Desmodium ciliare</i>	LITTLE-LEAF TICK-TREFOIL
<i>Diapensia laponica</i>	DIAPENSIA
<i>Digitaria filiformis</i>	SLENDER CRABGRASS
<i>Diospyros virginiana</i>	PERSIMMON
<i>Draba arabisans</i>	ROCK-CRESS
<i>Draba reptans</i>	CAROLINA WHITLOW-GRASS
<i>Eleocharis equisetoides</i>	KNOTTED SPIKERUSH
<i>Eleocharis halophila</i>	SALT-MARSH SPIKERUSH
<i>Eleocharis tuberculosa</i>	LONG-TUBERCLED SPIKERUSH
<i>Equisetum pratense</i>	MEADOW HORSETAIL
<i>Equisetum palustre</i>	MARSH HORSETAIL
<i>Eupatorium album</i> var. <i>subvenosum</i>	WHITE BONESET
<i>Eupatorium hyssopifolium</i> var. <i>laciniatum</i>	FRINGED BONESET
<i>Fimbristylis castanea</i>	MARSH FIMBRY
<i>Frasera caroliniensis</i>	GREEN GENTIAN
<i>Geranium carolinianum</i> var. <i>sphaerospermum</i>	CAROLINA CRANESBILL
<i>Geum triflorum</i>	PRAIRIE-SMOKE
<i>Hedeoma hispidum</i>	MOCK-PENNYROYAL
<i>Helianthemum dumosum</i>	BUSHY ROCKROSE
<i>Helianthus angustifolius</i>	SWAMP SUNFLOWER
<i>Hottonia inflata</i>	FEATHERFOIL
<i>Huperzia appalachiana</i>	APPALACHIAN FIRMOSS
<i>Hydrastis canadensis</i>	GOLDEN-SEAL
<i>Hypericum prolificum</i>	SHRUBBY ST. JOHN'S WORT
<i>Iris prismatica</i>	SLENDER BLUE FLAG
<i>Jeffersonia diphylla</i>	TWIN-LEAF
<i>Juncus trifidus</i>	ARCTIC RUSH
<i>Lechea tenuifolia</i>	SLENDER PINWEED
<i>Lespedeza stuevei</i>	VELVETY LESPEDEZA
<i>Liatris borealis</i>	NORTHERN BLAZING-STAR
<i>Lilaeopsis chinensis</i>	LILAEOPSIS
<i>Linum intercursum</i>	SANDPLAIN WILD FLAX
<i>Linum medium</i> var. <i>texanum</i>	SOUTHERN YELLOW FLAX
<i>Linum sulcatum</i>	YELLOW WILD FLAX



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<i>Ludwigia sphaerocarpa</i>	GLOBE-FRUITED LUDWIGIA
<i>Megalodonta beckii</i> var. <i>beckii</i>	WATER-MARIGOLD
<i>Minuartia glabra</i>	APPALACHIAN SANDWORT
<i>Myriophyllum alterniflorum</i>	WATER MILFOIL
<i>Myriophyllum farwellii</i>	FARWELL'S WATER MILFOIL
<i>Oenothera parviflora</i> var. <i>oakesiana</i>	EVENING PRIMROSE
<i>Orontium aquaticum</i>	GOLDEN CLUB
<i>Oxalis violacea</i>	VIOLET WOOD-SORREL
<i>Panicum flexile</i>	WIRY PANIC GRASS
<i>Paspalum setaceum</i> var. <i>setaceum</i>	SLENDER BEADGRASS
<i>Pedicularis lanceolata</i>	SWAMP LOUSEWORT
<i>Pellaea glabella</i>	SMOOTH CLIFF BRAKE
<i>Pinguicula vulgaris</i>	BUTTERWORT
<i>Plantago cordata</i>	HEARTLEAF PLANTAIN
<i>Plantago maritima</i> ssp. <i>juncoides</i>	SEASIDE PLANTAIN
<i>Podostemum ceratophyllum</i>	RIVERWEED
<i>Polygonum careyi</i>	CAREY'S SMARTWEED
<i>Polygonum douglasii</i>	DOUGLAS' KNOTWEED
<i>Polygonum hydropiperoides</i> var. <i>opelousanum</i>	OPELOUSA SMARTWEED
<i>Populus heterophylla</i>	SWAMP COTTONWOOD
<i>Potamogeton alpinus</i>	NORTHERN PONDWEED
<i>Potamogeton confervoides</i>	ALGAE-LIKE PONDWEED
<i>Potamogeton hillii</i>	HILL'S PONDWEED
<i>Potamogeton pulcher</i>	SPOTTED PONDWEED
<i>Potentilla anserina</i> ssp. <i>egedii</i>	SILVERWEED
<i>Primula mistassinica</i>	BIRD'S-EYE PRIMROSE
<i>Proserpinaca pectinata</i>	COMB-LEAVED MERMAID-WEED
<i>Prunus pumila</i> var. <i>depressa</i>	DWARF SAND-CHERRY
<i>Pycnanthemum muticum</i>	BLUNT MOUNTAIN-MINT
<i>Pycnanthemum verticillatum</i> var. <i>verticillatum</i>	WHORLED MOUNTAIN-MINT
<i>Pyrola asarifolia</i>	PINK WINTERGREEN
<i>Ranunculus micranthus</i>	SMALL-FLOWERED CROWFOOT
<i>Rhododendron canadense</i>	RHODORA
<i>Rhynchospora inundata</i>	DROWNED HORNED BUSH
<i>Rhynchospora nitens</i>	SHORT-BEAKED BALD-RUSH
<i>Rorippa aquatica</i>	LAKE-CRESS
<i>Rotala ramosior</i>	TOOTH-CUP
<i>Sabatia stellaris</i>	SEA-PINK
<i>Sagittaria calycina</i> var. <i>spongiosa</i>	SPONGY ARROWHEAD
<i>Salicornia bigelovii</i>	DWARF GLASSWORT
<i>Salix pyrifolia</i>	BALSAM WILLOW
<i>Salix uva-ursi</i>	BEARBERRY WILLOW
<i>Saxifraga aizoides</i>	YELLOW MOUNTAIN-SAXIFRAGE
<i>Scirpus cespitosus</i>	DEER'S HAIR SEDGE
<i>Scleria triglomerata</i>	WHIP NUTRUSH
<i>Solidago multiradiata</i> var. <i>arctica</i>	ALPINE GOLDENROD
<i>Solidago ohioensis</i>	OHIO GOLDEROD



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<i>Solidago rigida</i>	STIFF-LEAF GOLDENROD
<i>Solidago simplex</i> var. <i>randii</i>	MOUNTAIN GOLDENROD
<i>Sparganium nutans</i>	SMALL BUR-REED
<i>Sporobolus heterolepis</i>	NORTHERN DROPSEED
<i>Stachys hyssoifolia</i>	ROUGH HEDGE-NETTLE
<i>Stellaria longipes</i>	STARWORT
<i>Triglochin palustre</i>	MARSH ARROW-GRASS
<i>Tripsacum dactyloides</i>	NORTHERN GAMMA GRASS
<i>Ulmus thomasi</i>	CORK ELM
<i>Utricularia juncea</i>	RUSH BLADDERWORT
<i>Utricularia minor</i>	LESSER BLADDERWORT
<i>Utricularia radiata</i>	SMALL FLOATING BLADDERWORT
<i>Utricularia striata</i>	BLADDERWORT
<i>Vaccinium boreale</i>	HIGH-MOUNTAIN BLUEBERRY
<i>Verbesina alternifolia</i>	WINGSTEM
<i>Veronicastrum virginicum</i>	CULVER'S ROOT
<i>Viburnum dentatum</i> var. <i>venosum</i>	SOUTHERN ARROWWOOD
<i>Viburnum edule</i>	SQUASHBERRY
<i>Viola primulifolia</i>	PRIMROSE VIOLET
<i>Zigadenus elegans</i> ssp. <i>glaucus</i>	WHITE CAMAS

(d) The following are **rare** native plants that have from 20 to 35 extant sites or 3,000 to 5,000 individuals statewide.

Species	Common Name
<i>Agalinis fasciculata</i>	FASCICLED GERARDIA
<i>Bidens bidentoides</i>	ESTUARY BEGGAR-TICKS
<i>Carex lupuliformis</i>	FALSE HOP SEDGE
<i>Chamaecyparis thyoides</i>	ATLANTIC WHITE CEDAR
<i>Coreopsis rosea</i>	ROSE COREOPSIS
<i>Cyperus schweinitzii</i>	SCHWEINITZ'S FLATSEDGE
<i>Drosera filiformis</i>	DEWTHREAD
<i>Empetrum nigrum</i> ssp. <i>hermaphroditicum</i>	BLACK CROWBERRY
<i>Fuirena pumila</i>	DWARF UMBRELLA-SEDEGE
<i>Isoetes lacustris</i>	LARGE-SPORED QUILLWORT
<i>Lechea racemulosa</i>	ILLINOIS PINWEED
<i>Lespedeza angustifolia</i>	BUSH CLOVER
<i>Lespedeza repens</i>	TRAILING LESPEDEZA
<i>Lespedeza violacea</i>	VIOLET LESPEDEZA
<i>Limosella australis</i>	MUDWORT
<i>Linum striatum</i>	STIFF YELLOW FLAX
<i>Lobelia nuttallii</i>	NUTTALL'S LOBELIA
<i>Mimulus alatus</i>	WINGED MONKEYFLOWER
<i>Minuartia caroliniana</i>	PINE-BARREN SANDWORT
<i>Pinus banksiana</i>	JACK PINE
<i>Polemonium vanbruntiae</i>	JACOB'S-LADDER



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<i>Polygonum glaucum</i>	SEABEACH KNOTWEED
<i>Polygonum tenue</i>	SLENDER KNOTWEED
<i>Rhynchospora scirpoides</i>	LONG-BEAKED BALD-RUSH
<i>Scheuchzeria palustris</i>	POD GRASS
<i>Trollius laxus</i> ssp. <i>laxus</i>	SPREADING GLOBEFLOWER
<i>Vaccinium uliginosum</i>	BOG BILBERRY

(e) The following are **exploitably vulnerable** native plants likely to become threatened in the near future throughout all or a significant portion of their ranges within the state if causal factors continue unchecked.

<i>Species</i>	Common Name
<i>Actaea pachypoda</i>	WHITE BANEBERRY
<i>Actaea spicata</i> ssp. <i>rubra</i>	RED BANEBERRY
<i>Arisaema dracontium</i>	GREEN DRAGON
<i>Asclepias tuberosa</i>	BUTTERFLY-WEED
<i>Campanula rotundifolia</i>	HAREBELL
<i>Celastrus scandens</i>	AMERICAN BITTERSWEET
<i>Chelone glabra</i>	TURTLE-HEADS
<i>Chimaphila maculata</i>	SPOTTED WINTERGREEN
<i>Chimaphila umbellata</i>	PIPSISSEWA
<i>Clintonia umbellulata</i>	SPECKLED WOODLILY
<i>Conopholis americana</i>	SQUAWROOT
<i>Cornus florida</i>	FLOWERING DOGWOOD
<i>Drosera intermedia</i>	SUNDEW
<i>Drosera rotundifolia</i>	SUNDEW
<i>Epigaea repens</i>	TRAILING ARBUTUS
<i>Euonymus obovata</i>	RUNNING STRAWBERRY-BUSH
<i>Gentiana andrewsii</i>	CLOSED GENTIAN
<i>Gentiana clausa</i>	BLIND GENTIAN
<i>Gentiana linearis</i>	CLOSED GENTIAN
<i>Gentianella quinquefolia</i>	STIFF GENTIAN
<i>Gentianopsis crinita</i>	FRINGED GENTIAN
<i>Ilex glabra</i>	GALLBERRY
<i>Ilex laevigata</i>	SMOOTH WINTERBERRY
<i>Ilex montana</i>	MOUNTAIN WINTERBERRY
<i>Ilex opaca</i>	AMERICAN HOLLY
<i>Ilex verticillata</i>	BLACK ALDER
<i>Juglans cinerea</i>	BUTTERNUT
<i>Kalmia angustifolia</i>	SHEEP LAUREL
<i>Kalmia latifolia</i>	MOUNTAIN LAUREL
<i>Kalmia polifolia</i>	BOG LAUREL
<i>Lilium canadense</i>	CANADA LILY
<i>Lilium philadelphicum</i>	WOODLILY
<i>Lilium superbum</i>	TURK'S-CAP LILY
<i>Limonium carolinianum</i>	SEA LAVENDER
<i>Lobelia cardinalis</i>	CARDINAL-FLOWER



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<i>Lobelia dortmanna</i>	WATER LOBELIA
<i>Lobelia siphilitica</i>	GREAT LOBELIA
<i>Mertensia virginica</i>	VIRGINIA BLUEBELLS
<i>Monarda didyma</i>	BEE-BALM
<i>Myrica pensylvanica</i>	BAYBERRY
<i>Opuntia humifusa</i>	EASTERN PRICKLY PEAR
<i>Panax quinquefolius</i>	GINSENG
<i>Parnassia glauca</i>	GRASS-OF-PARNASSUS
<i>Rhododendron arborescens</i>	SMOOTH AZALEA
<i>Rhododendron maximum</i>	GREAT LAUREL
<i>Rhododendron periclymenoides</i>	PINKSTER
<i>Rhododendron prinophyllum</i>	EARLY AZALEA
<i>Rhododendron viscosum</i>	SWAMP AZALEA
<i>Sanguinaria canadensis</i>	BLOODROOT
<i>Sarracenia purpurea</i>	PITCHER-PLANT
<i>Silene caroliniana</i>	WILD PINK
<i>Trillium cernuum</i>	NODDING TRILLIUM
<i>Trillium erectum</i>	PURPLE TRILLIUM
<i>Trillium grandiflorum</i>	WHITE TRILLIUM
<i>Trillium undulatum</i>	PAINTED TRILLIUM
<i>Viola pedata</i>	BIRD'S-FOOT VIOLET

All native clubmosses, including:

<i>Huperzia lucidula</i>	SHINING FIRMOSS
<i>Lycopodiella alopecuroides</i>	FOXTAIL CLUBMOSS
<i>Lycopodiella appressa</i>	Swamp Clubmoss
<i>Lycopodiella inundata</i>	Northern Bog Clubmoss
<i>Lycopodium annotinum</i>	BRISTLY CLUBMOSS
<i>Lycopodium clavatum</i>	RUNNING CEDAR
<i>Lycopodium dendroideum</i>	NORTHERN TREE CLUBMOSS
<i>Lycopodium digitatum</i>	RUNNING-PINE
<i>Lycopodium obscurum</i>	GROUND PINE
<i>Lycopodium tristachyum</i>	GROUND CEDAR

All native ferns, (except Bracken, *Pteridium aquilinum*, Hay-scented, *Dennstaedtia punctilobula*, and Sensitive fern, *Oncoclea sensibilis*), including:

<i>Adiantum pedatum</i>	MAIDENHAIR FERN
<i>Asplenium platyneuron</i>	EBONY SPLEENWORT
<i>Asplenium rhizophyllum</i>	WALKING FERN
<i>Asplenium ruta-muraria</i>	WALL-RUE SPLEENWORT
<i>Asplenium trichomanes</i>	MAIDENHAIR SPLEENWORT
<i>Athyrium filix-femina</i>	LADY FERN
<i>Azolla caroliniana</i>	MOSQUITO-FERN
<i>Botrychium dissectum</i>	CUT-LEAF GRAPE FERN
<i>Botrychium lanceolatum</i>	LANCE-LEAF GRAPE FERN



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<i>Botrychium matricariifolium</i>	MATRICARY GRAPE FERN
<i>Botrychium multifidum</i>	LEATHERY GRAPE FERN
<i>Botrychium simplex</i>	LEAST MOONWORT
<i>Botrychium virginianum</i>	RATTLESNAKE FERN
<i>Cryptogramma stelleri</i>	SLENDER CLIFF BRAKE
<i>Cystopteris bulbifera</i>	BULBLET FERN
<i>Cystopteris fragilis</i>	COMMON FRAGILE FERN
<i>Cystopteris tenuis</i>	FRAGILE FERN
<i>Deparia acrostichoides</i>	SILVERY SPLEENWORT
<i>Diplazium pycnocarpon</i>	GLADE FERN
<i>Dryopteris campyloptera</i>	MOUNTAIN WOOD FERN
<i>Dryopteris carthusiana</i>	SPINULOSE WOOD FERN
<i>Dryopteris clintoniana</i>	CLINTON'S SHIELD FERN
<i>Dryopteris cristata</i>	CRESTED WOOD FERN
<i>Dryopteris goldiana</i>	GIANT WOOD FERN
<i>Dryopteris intermedia</i>	COMMON WOOD FERN
<i>Dryopteris marginalis</i>	MARGINAL WOOD FERN
<i>Gymnocarpium dryopteris</i>	OAK FERN
<i>Matteuccia struthiopteris</i>	OSTRICH FERN
<i>Ophioglossum pusillum</i>	ADDER'S-TONGUE
<i>Osmunda cinnamomea</i>	CINNAMON FERN
<i>Osmunda claytoniana</i>	INTERRUPTED FERN
<i>Osmunda regalis</i>	ROYAL FERN
<i>Pellaea atropurpurea</i>	PURPLE CLIFF BRAKE
<i>Phegopteris connectilis</i>	NORTHERN BEECH FERN
<i>Phegopteris hexagonoptera</i>	BROAD BEECH FERN
<i>Polypodium virginianum</i>	ROCK POLYPODY
<i>Polystichum acrostichoides</i>	CHRISTMAS FERN
<i>Polystichum braunii</i>	BRAUN'S HOLLY FERN
<i>Salvinia minima</i>	WATER-FERN
<i>Thelypteris noveboracensis</i>	NEW YORK FERN
<i>Thelypteris palustris</i>	MARSH FERN
<i>Thelypteris simulata</i>	MASSACHUSETTS FERN
<i>Woodsia ilvensis</i>	RUSTY WOODSIA
<i>Woodsia obtusa</i>	BLUNT-LOBED WOODSIA
<i>Woodwardia areolata</i>	NETTED CHAIN FERN
<i>Woodwardia virginica</i>	VIRGINIA CHAIN FERN

All native orchids, including:

<i>Calopogon tuberosus</i>	GRASS PINK
<i>Coeloglossum viride</i>	LONG-BRACTED ORCHID
<i>Corallorhiza maculata</i>	SPOTTED CORALROOT
<i>Corallorhiza odoratorhiza</i>	AUTUMN CORALROOT
<i>Cypripedium acaule</i>	PINK LADYSLIPPER
<i>Cypripedium parviflorum</i> var. <i>makasin</i>	SMALL YELLOW LADYSLIPPER
<i>Cypripedium parviflorum</i> var. <i>pubescens</i>	YELLOW LADYSLIPPER



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<i>Cypripedium reginae</i>	SHOWY LADYSLIPPER
<i>Galearis spectabilis</i>	SHOWY ORCHIS
<i>Goodyera pubescens</i>	DOWNY RATTLESNAKE-PLANTAIN
<i>Goodyera repens</i>	DWARF RATTLESNAKE-PLANTAIN
<i>Goodyera tessellata</i>	RATTLESNAKE-PLANTAIN
<i>Isotria verticillata</i>	LARGE WHORLED POGONIA
<i>Liparis loeselii</i>	BOG TWAYBLADE
<i>Listera cordata</i>	HEARTLEAF TWAYBLADE
<i>Malaxis monophyllos</i>	WHITE ADDER'S-MOUTH
<i>Malaxis unifolia</i>	GREEN ADDER'S-MOUTH
<i>Platanthera aquilonis</i>	NORTHERN GREEN ORCHID
<i>Platanthera blephariglottis</i>	WHITE FRINGED ORCHID
<i>Platanthera clavellata</i>	GREEN WOODLAND ORCHID
<i>Platanthera dilatata</i>	BOG-CANDLE
<i>Platanthera flava</i>	TUBERCLED ORCHID
<i>Platanthera grandiflora</i>	LARGE PURPLE FRINGED ORCHID
<i>Platanthera huronensis</i>	TALL NORTHERN GREEN ORCHID
<i>Platanthera lacera</i>	RAGGED FRINGED ORCHID
<i>Platanthera obtusata</i>	BLUNT-LEAVED ORCHID
<i>Platanthera orbiculata</i>	LARGE ROUND-LEAVED ORCHID
<i>Platanthera psycodes</i>	SMALL PURPLE FRINGED ORCHID
<i>Pogonia ophioglossoides</i>	ROSE POGONIA
<i>Spiranthes casei</i>	LADY'S-TRESSES
<i>Spiranthes cernua</i>	NODDING LADY'S-TRESSES
<i>Spiranthes lacera</i>	SLENDER LADY'S-TRESSES
<i>Spiranthes lucida</i>	WIDE-LEAVED LADY'S-TRESSES
<i>Spiranthes ochroleuca</i>	CREAMY LADY'S-TRESSES
<i>Spiranthes romanzoffiana</i>	HOODED LADY'S-TRESSES
<i>Spiranthes tuberosa</i>	LITTLE LADY'S-TRESSES

(f) It is a violation for any person, anywhere in the state, to pick, pluck, sever, remove, damage by the application of herbicides or defoliant, or carry away, without the consent of the owner, any protected plant. Each protected plant so picked, plucked, severed, removed, damaged or carried away shall constitute a separate violation.



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New York State Dept. of Environmental Conservation

625 Broadway, 5th Floor

Albany, NY 12233-4757

(518) 402-8935

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

INSTRUCTIONS:

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

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

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

FORM COMPLETED BY:

Date:

phone:

IDENTIFICATION

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

Name of the rare plant, animal or ecological community:

Last Date Observed:

First Date Observed: month:

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

LOCATION:

Site name (local or place name):

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

County:

Town:

Name of USGS 7.5' topo (if known):

OBSERVATION DATA:

Animals: Indicate the number of adults, juveniles, nests, etc.

Plants: Indicate 1) the number of flowering plants and/or sterile stems and 2) the number of separate plant groups

Ecological communities: Indicate 1) the percent cover of tree, shrub and herb layers and 2) the percent cover of dominant plants in each layer.

SIZE: Please indicate the estimated size of the area occupied by the animal, plant or community): _____ acres or _____sq. meters

If the area occupied is long, narrow and less than 12.5 meters wide, please indicate: Length: _____(meters) Width: _____(meters)

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

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

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

CURRENT AND POTENTIAL THREATS:

MANAGEMENT NEEDS:

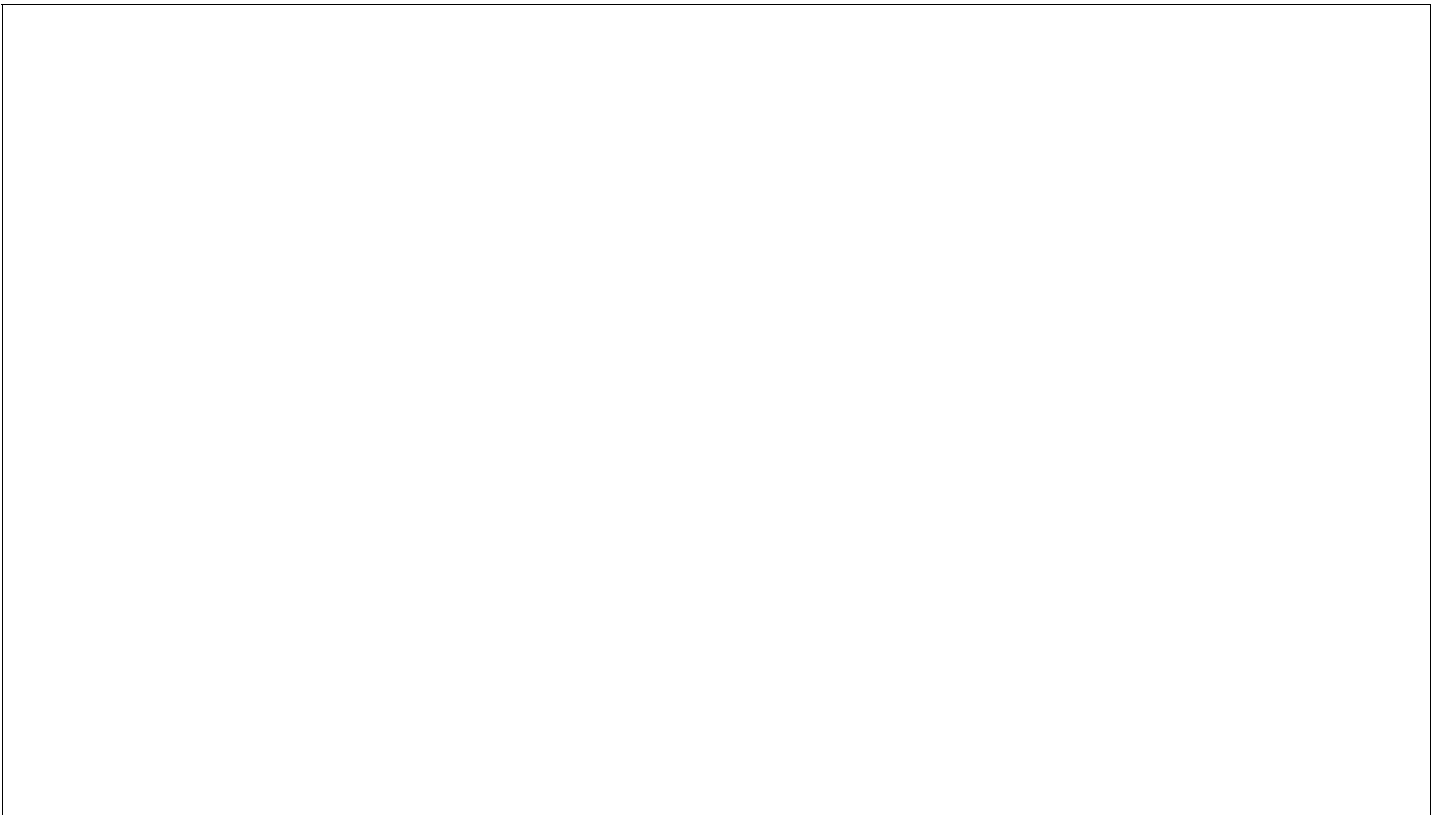
SPECIMEN: Was a specimen taken? ___yes ___no. If yes, indicate the collection # and repository: _____

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

Is a copy included with the form? ___yes ___no

COMMENTS:

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





The New York Natural Heritage Program

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

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

NY Natural Heritage maintains New York's most comprehensive database on the status and location of rare species and natural communities. We presently monitor the status of 165 natural community types, 755 rare plant species, and 417 rare animal species across New York, keeping track of more than 10,000 locations where these species and communities are found. The database also includes detailed information on the relative rareness of each species and community, the quality of their occurrences, and descriptions of sites. The information is used by public agencies, the environmental conservation community, developers, and others to aid in land-use decisions. Our data are essential for prioritizing those species and communities in need of protection and for guiding land-use and land-management decisions where these species and communities exist.

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

NY Natural Heritage is an active participant in NatureServe – the international network of biodiversity data centers. There are currently Natural Heritage Programs in all 50 states and 21 Conservation Data Centers (the international equivalent of Natural Heritage Programs) in Canada, Latin America, and South America. These programs work with NatureServe to develop biodiversity data, maintain compatible standards for data management, and provide information about rare species and natural communities that is consistent across many geographic scales – from ¼ acre wetland sites to the North American continent. In 1997 and 2003 NatureServe named NY Natural Heritage the most outstanding program in the Western Hemisphere.