



NEW HAMPSHIRE NATURAL HERITAGE BUREAU

DRED - DIVISION OF FORESTS & LANDS

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Rare Plant List for New Hampshire

Technical Copy



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A Quick Overview of the NH Natural Heritage Bureau's Purpose and Policies

The Natural Heritage Bureau is mandated by the Native Plant Protection Act of 1987 (NH RSA 217-A) to determine protective measures and requirements necessary for the survival of native plant species in the state, to investigate the condition and degree of rarity of plant species, and to distribute information regarding the condition and protection of these species and their habitats.

The Natural Heritage Bureau provides information to facilitate informed land-use decision-making. We are not a regulatory agency; instead, we work with landowners and land managers to help them protect the State's natural heritage and meet their land-use needs.

The Natural Heritage Bureau has three facets:

Inventory involves identifying new occurrences of sensitive species and classifying New Hampshire's biodiversity. We currently study more than 630 plant and animal species and 190 natural communities. Surveys for rarities on private lands are conducted only with landowner permission.

Tracking is the management of occurrence data. Our database currently contains information about more than 6,000 plant, animal, and natural community occurrences in New Hampshire.

Interpretation is the communication of Natural Heritage Bureau information. Our goal is to cooperate with public and private land managers to help them *protect* rare species populations and exemplary natural communities.

Cover illustration of a riverside seep by
Caren Caljouw



The NH Natural Heritage Bureau is a bureau in the Division of Forests & Lands. Our mission is to find, track, and facilitate the protection of New Hampshire's rare plants and exemplary natural communities (which are essentially different types of forests, wetlands, grasslands, etc.). We currently study more than 630 plant and animal species and 190 natural communities. Our database contains information about more than 6,000 plant, animal, and natural community occurrences throughout the state.

Plants Tracked by the NH Natural Heritage Bureau

The following list is our current assessment of the status of the state's rarest and most imperiled plant species. We have developed the list in cooperation with researchers, conservation organizations such as The Nature Conservancy, and knowledgeable amateur botanists. We obtained plant locations from sources including herbarium specimens (some dating from the late 1800s), personal contacts, the scientific literature, and through extensive field research. It is important for readers to remember that this list is dynamic – as new discoveries are made or populations are lost, species may be added to or removed from the list.

For each species, we have provided the following information:

- Common Name*** Readers should remember that common names vary across the range of the plant. For example, "wild lupine" (*Lupinus perennis*) in New Hampshire is called "wild blue lupine" in New York and "sundial lupine" in other parts of its range; the name also commonly leads to confusion with garden lupine (*Lupinus polyphyllus*) which is not native to New Hampshire but grows wild in some areas.
- Scientific Name*** Scientific names are standardized with the scientific names used by other Natural Heritage programs throughout North and South America. The primary references used are:
- Flora of North America Editorial Committee. 1993-2003. Flora of North America North of Mexico. vols. 1-4, 22, 23, 25, 26. Oxford University Press, NY.
- Kartesz, J.T. and R. Kartesz. 1980. *A Synonymized Checklist of the Vascular Flora of the United States, Canada, and Greenland*. vol. 2 – The Biota of North America. The University of North Carolina Press, Chapel Hill, NC.
- Global & State Ranks*** When considering the rarity of a species, it is important to consider the status of a species both in New Hampshire and across its total range. The degree of rarity within New Hampshire is noted with a "State Rank" and throughout its range with a "Global Rank." Ranks are on a scale of 1 to 5, with a 1 indicating critical imperilment, a 3 indicating that the species is vulnerable, and a 5 indicating that the species is secure. Some species, such as Jesup's milk-vetch (*Astragalus robbinsii* var. *jesupi*), are critically imperiled both globally and in New Hampshire. This species has three known populations on the planet, all on a 16-mile stretch of the Connecticut River. Other species, such as yellow lady's-slipper (*Cypripedium parviflorum* var. *makasin*), are very rare in New Hampshire (S1) but quite common in other parts of their range (G5).

***Listing***

Most of New Hampshire's rare plants are listed as Endangered (in danger of extinction in the state) or Threatened (likely to become Endangered) under the NH Native Plant Protection Act of 1987 (NH RSA 217-A). The most recent revision of the list came into effect on June 25, 2005. A subset of these species are also listed under the federal Endangered Species Act of 1973 (42 USCA §§ 4321-4370c). State and federal listing represents a political recognition of rarity, so some species that are biologically rare (as indicated by the State and Global Ranks) may not be listed as Threatened or Endangered.

Known Sites

There has not been a comprehensive search of the state for rare species, so we are frequently finding or learning about previously unknown populations. Further, many populations have not been checked since they were originally found, sometimes more than 50 years ago, so we do not know the status of these populations. We have therefore separated known sites into two sub-categories: those last seen more than 20 years ago, and those reported within the last 20 years. This distinction helps show the state of our knowledge about a given species and the need for additional research. If no known sites are indicated in the list (- -), the species is known to have once occurred in the state, but specific sites are not in our database.

You Can Help!

Our biologists can only cover so much ground, so we are constantly seeking information from other sources. Knowledgeable recommendations for adding or removing species from the list of Endangered and Threatened species are always welcomed. Further, locational information about any of the species we track will help make our database more complete and therefore more useful for land-use planning. A form for reporting rare plant species locations is attached to the back of this list. It is the policy of our agency not to survey on private property without landowner permission, so please respect your neighbor's privacy.

If you have any questions or need additional information, please do not hesitate to contact us.

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Explanation of Global and State Rank Codes

Ranks describe rarity both throughout a species' range (global or "G" rank) and within New Hampshire (statewide or "S" rank). The rarity of sub-species and varieties is indicated with a taxon ("T") rank. For example, "G5T1" = the species is globally secure (G5) but the sub-species is critically imperiled (T1).

<i>Code</i>	<i>Examples</i>	<i>Description</i>
1	G1 S1	Critically imperiled because extreme rarity (generally one to five occurrences) or some factor of its biology makes it particularly vulnerable to extinction.
2	G2 S2	Imperiled because rarity (generally six to 20 occurrences) or other factors demonstrably make it very vulnerable to extinction.
3	G3 S3	Either very rare and local throughout its range (generally 21 to 100 occurrences), or found locally (even abundantly at some of its locations) in a restricted range, or vulnerable to extinction because of other factors.
4	G4 S4	Widespread and apparently secure, although the species may be quite rare in parts of its range, especially at the periphery.
5	G5 S5	Demonstrably widespread and secure, although the species may be quite rare in parts of its range, particularly at the periphery.
U	GU SU	Status uncertain, but possibly in peril. More information needed.
H	GH SH	Known only from historical records, but may be rediscovered. A G5 SH species is widespread throughout its range (G5), but historical in New Hampshire (SH).
X	GX SX	Believed to be extinct. May be rediscovered, but evidence indicates that this is less likely than for historical species. A G5 SX species is widespread throughout its range (G5), but extirpated from New Hampshire (SX).

Modifiers are used as follows.

<i>Code</i>	<i>Examples</i>	<i>Description</i>
Q	G5Q GHQ	Questions or problems may exist with the species' or sub-species' taxonomy, so more information is needed.
?	G3? S3?	The rank is uncertain due to insufficient information at the state or global level, so more inventories are needed. When no rank has been proposed the global rank may be "G?" or "G5T?"

When ranks are somewhat uncertain or the species' status appears to fall between two ranks, the ranks may be combined. For example:

G4G5	The species may be globally secure (G5), but appears to be at some risk (G4).
G5T2T3	The species is globally secure (G5), but the sub-species is somewhat imperiled (T2T3).
G4?Q	The species appears to be relatively secure (G4), but more information is needed to confirm this (?). Further, there are questions or problems with the species' taxonomy (Q).
G3G4Q S1S2	The species is globally uncommon (G3G4), and there are questions about its taxonomy (Q). In New Hampshire, the species is very imperiled (S1S2).



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Name	Rank		Listing		Known sites	
	Global	State	Federal	State	<1992	1992+
<i>Acalypha virginica</i> (Virginia Three-seeded Mercury)	G5	SH	--	E	5	-
<i>Acer nigrum</i> (Black Maple)	G5	S2	--	T	4	6
<i>Adlumia fungosa</i> (Climbing Fumitory)	G4	S1	--	E	10	8
<i>Agalinis maritima</i> (Salt-marsh Gerardia)	G5	S1	--	E	4	5
<i>Aletris farinosa</i> (White Colic-root)	G5	SH	--	E	1	-
<i>Allium canadense</i> (Wild Garlic)	G5	S1	--	E	2	3
<i>Allium schoenoprasum</i> (Siberian Chives)	G5	S1	--	E	4	3
<i>Amerorchis rotundifolia</i> (One-leaf Orchis)	G5	SH	--	E	1	-
<i>Ammophila breviligulata</i> (Beach Grass)	G5	S2	--	T	4	6
<i>Anemone cylindrica</i> (Long-fruited Anemone)	G5	SH	--	E	11	-
<i>Anthoxanthum monticola</i> (Alpine Sweet Grass)	G5	S2	--	T	2	7
<i>Arabis pycnocarpa</i> (Hairy Rock Cress)	G5T5	S1	--	E	2	2
<i>Arctous alpina</i> (Alpine Bearberry)	G5	S1	--	E	-	4
<i>Arethusa bulbosa</i> (Arethusa)	G4	S1	--	E	16	5
<i>Argentina anserina</i> (Silverweed)	G5	S1	--	--	1	2
<i>Arisaema dracontium</i> (Green Dragon)	G5	S1	--	E	-	2
<i>Aristida longespica</i> var. <i>geniculata</i> (Spiked Needle Grass)	G5T5?	S1	--	E	3	6
<i>Aristida tuberculosa</i> (Sea-beach Needle Grass)	G5	S1	--	E	-	2
<i>Arnica lanceolata</i> (Hairy Arnica)	G3	S2	--	T	3	7
<i>Artemisia campestris</i> ssp. <i>caudata</i> (Tall Wormwood)	G5T5	S1	--	E	1	3
<i>Asclepias amplexicaulis</i> (Blunt-leaved Milkweed)	G5	S2	--	T	8	7
<i>Asclepias purpurascens</i> (Purple Milkweed)	G5?	SH	--	E	4	-
<i>Asclepias quadrifolia</i> (Four-leaved Milkweed)	G5	S1	--	E	4	3
<i>Asclepias tuberosa</i> (Butterfly Weed)	G5?	S1	--	E	7	1
<i>Asplenium rhizophyllum</i> (Walking Fern)	G5	S1	--	E	5	1
<i>Astragalus alpinus</i> var. <i>brunetianus</i> (Alpine Milk-vetch)	G5T3	SX	--	--	4	-
<i>Astragalus robbinsii</i> var. <i>jesupii</i> (Jesup's Milk Vetch)	G5T1	S1	E	E	-	3
<i>Atriplex subspicata</i> (Saline Saltbush)	G5	S1	--	E	-	-
<i>Aureolaria virginica</i> (Downy False Foxglove)	G5	S1	--	E	9	6
<i>Barbarea orthoceras</i> (American Winter Cress)	G5	SH	--	E	1	-
<i>Bartonia iodandra</i> (Purple Screwstem)	G3G5	SH	--	E	1	-
<i>Bartonia paniculata</i> (Twining Screwstem)	G5	S1	--	E	-	1
<i>Betula glandulosa</i> (Dwarf Birch)	G5	S2	--	T	3	6
<i>Betula minor</i> (Small Birch)	G4Q	S2	--	T	5	7
<i>Betula nigra</i> (River Birch)	G5	S2	--	T	3	7
<i>Betula pumila</i> (Swamp Birch)	G5	S1	--	E	-	1
<i>Bidens beckii</i> (Water Marigold)	G4G5	S2	--	T	5	7
<i>Bidens hyperborea</i> (Northern Estuarine Beggarticks)	G4	SH	--	E	1	-
<i>Bidens laevis</i> (Smooth Bidens)	G5	S1	--	E	1	1
<i>Bistorta vivipara</i> (Viviparous Knotweed)	G5	S1	--	E	3	2
<i>Boechera canadensis</i> (Sickle-pod)	G5	S2	--	T	3	5
<i>Boechera laevigata</i> (Smooth Rock Cress)	G5	S1	--	E	4	2
<i>Boechera missouriensis</i> (Missouri Rock Cress)	G5	S2	--	T	8	5
<i>Bromus kalmii</i> (Kalm's Brome Grass)	G5	SH	--	E	3	-
<i>Bromus pubescens</i> (Hairy Brome Grass)	G5	S1	--	E	3	2
<i>Calamagrostis canadensis</i> var. <i>langsдорffii</i> (Harsh Bluejoint)	G5T5	S1	--	E	1	1
<i>Calamagrostis cinnoides</i> (Nuttall's Reedgrass)	G5	S1	--	E	5	1
<i>Calamagrostis stricta</i> ssp. <i>inexpansa</i> (New England Northern Reedgrass)	G5T5	S2	--	T	8	7
<i>Calamagrostis stricta</i> ssp. <i>stricta</i> (Neglected Reedgrass)	G5T5	SH	--	E	1	-
<i>Calypso bulbosa</i> ssp. <i>americana</i> (Fairy-slipper)	G5T5?	SH	--	E	2	-
<i>Calystegia spithamea</i> (Low Bindweed)	G4G5	S1	--	E	7	1
<i>Cardamine bellidifolia</i> (Alpine Bitter Cress)	G5	S1	--	E	2	3
<i>Cardamine bulbosa</i> (Bulbous Bitter Cress)	G5	S1	--	E	4	1



Name	Rank		Listing		Known sites	
	Global	State	Federal	State	<1992	1992+
<i>Cardamine concatenata</i> (Cutleaf Toothwort)	G5	S1	--	E	5	1
<i>Cardamine longii</i> (Long's Bitter Cress)	G3?	SH	--	E	1	-
<i>Cardamine maxima</i> (Large Toothwort)	G5	S2	--	T	1	5
<i>Carex adusta</i> (Swarthy Sedge)	G5	SH	--	E	1	-
<i>Carex aestivalis</i> (Summer Sedge)	G4	S1	--	E	2	1
<i>Carex alata</i> (Broad-winged Sedge)	G5	SH	--	E	2	-
<i>Carex albursina</i> (Sheldon's Sedge)	G5	S1	--	E	1	1
<i>Carex arctogena</i> (Head-like Sedge)	G5T4?	S1	--	E	-	2
<i>Carex atratiformis</i> (Black Sedge)	G5	S1	--	E	2	1
<i>Carex aurea</i> (Golden-fruited Sedge)	G5	S2	--	T	4	7
<i>Carex backii</i> (Back's Sedge)	G4	S1	--	E	11	3
<i>Carex baileyi</i> (Bailey's Sedge)	G4	S2	--	T	4	7
<i>Carex bigelowii</i> (Bigelow's Sedge)	G5	S2	--	T	3	10
<i>Carex bullata</i> (Inflated Sedge)	G5	S1	--	E	3	2
<i>Carex buxbaumii</i> (Buxbaum's Sedge)	G5	S1	--	E	-	1
<i>Carex capillaris</i> ssp. <i>fuscidula</i> (Hair-like Sedge)	G5TNR	S1	--	E	1	1
<i>Carex castanea</i> (Chestnut Sedge)	G5	S1	--	E	1	2
<i>Carex cephaloidea</i> (Thin-leaved Sedge)	G5	SH	--	T	4	-
<i>Carex chondrorrhiza</i> (Creeping Sedge)	G5	S1	--	E	-	3
<i>Carex cristatella</i> (Small-crested Sedge)	G5	S1	--	E	7	5
<i>Carex cumulata</i> (Piled-up Sedge)	G4?	S2	--	T	8	8
<i>Carex diandra</i> (Lesser Panicked Sedge)	G5	S2	--	T	3	6
<i>Carex eburnea</i> (Ebony Sedge)	G5	S1	--	E	1	1
<i>Carex exilis</i> (Coastal Sedge)	G5	S1	--	E	3	4
<i>Carex festucacea</i> (Fescue Sedge)	G5	SH	--	E	1	-
<i>Carex garberi</i> (Garber's Sedge)	G5	S2	--	T	-	7
<i>Carex glaucodea</i> (Flaccid Sedge)	G5T5	S1	--	E	1	1
<i>Carex granularis</i> (Granular Sedge)	G5	S1	--	E	2	4
<i>Carex hitchcockiana</i> (Hitchcock's Sedge)	G5	S1	--	E	-	1
<i>Carex livida</i> (Livid Sedge)	G5	S1	--	E	-	1
<i>Carex molesta</i> (Troublesome Sedge)	G4	SH	--	E	1	-
<i>Carex nigra</i> (Goodenough's Sedge)	G5	S1	--	E	9	2
<i>Carex polymorpha</i> (Many Forms Sedge)	G3	S1	--	E	1	1
<i>Carex retroflexa</i> (Reflexed Sedge)	G5	S1	--	E	2	2
<i>Carex rostrata</i> (Swollen-beaked Sedge)	G5	S1	--	E	1	2
<i>Carex scirpoidea</i> (Scirpus-like Sedge)	G5	S2	--	T	8	5
<i>Carex seorsa</i> (Separated Sedge)	G4	S1	--	E	-	3
<i>Carex siccata</i> (Hay Sedge)	G5	S1	--	E	3	2
<i>Carex sparganioides</i> (Bur Sedge)	G5	S1	--	E	3	2
<i>Carex striata</i> (Walter's Sedge)	G4G5	S1	--	E	-	1
<i>Carex tenuiflora</i> (Thin-flowered Sedge)	G5	S1	--	E	-	1
<i>Carex tetanica</i> (Rigid Sedge)	G4G5	SX	--	--	1	-
<i>Carex trichocarpa</i> (Hairy-fruited Sedge)	G4	S1	--	E	1	2
<i>Carex umbellata</i> (Hidden Sedge)	G5	S1	--	E	11	1
<i>Carex wiegandii</i> (Wiegand's Sedge)	G4	S1	--	E	2	5
<i>Castilleja coccinea</i> (Scarlet Painted-cup)	G5	SX	--	--	2	-
<i>Castilleja septentrionalis</i> (Pale Painted Cup)	G5	S1	--	E	3	4
<i>Cenchrus longispinus</i> (Common Sandbur)	G5	S1	--	E	10	1
<i>Chamaecrista nictitans</i> (Wild Sensitive Senna)	G5	SH	--	E	1	-
<i>Chenopodium foggii</i> (Fogg's Goosefoot)	G2G3	S1	--	E	4	-
<i>Chenopodium rubrum</i> (Coast-blite Goosefoot)	G5	S1	--	E	5	1
<i>Cirsium horridulum</i> (Yellow Thistle)	G5	SH	--	E	3	-
<i>Clematis occidentalis</i> (Purple Clematis)	G5	S1	--	E	23	2
<i>Coleataenia longifolia</i> ssp. <i>longifolia</i> (Long-leaved Redtop-panicgrass)	G5T5?	SH	--	E	1	-



Name	Rank		Listing		Known sites	
	Global	State	Federal	State	<1992	1992+
<i>Collinsonia canadensis</i> (Canada Horsebalm)	G5	SH	--	E	2	-
<i>Corallorhiza odontorhiza</i> (Autumn Coralroot)	G5	S1	--	E	1	3
<i>Corydalis aurea</i> (Golden Corydalis)	G5	SH	--	E	2	-
<i>Crassula aquatica</i> (Pygmy Weed)	G5	SH	--	E	2	-
<i>Crataegus faxonii</i> (Faxon's Hawthorn)	G5	S1	--	--	-	1
<i>Crataegus oakesiana</i> (Oakes' Hawthorn)	GNR	S1	--	E	-	-
<i>Crataegus populnea</i> (Poplar Hawthorn)	GNRQ	SH	--	--	2	-
<i>Crotalaria sagittalis</i> (Arrow-headed Rattlebox)	G5	SH	--	E	1	-
<i>Cryptogramma stelleri</i> (Slender Cliffbrake)	G5	S1	--	E	3	3
<i>Cuscuta cephalanthi</i> (Buttonbush Dodder)	G5	S1	--	--	-	1
<i>Cynoglossum virginianum</i> var. <i>boreale</i> (Wild Comfrey)	G5T4T5	S1	--	E	5	2
<i>Cyperus erythrorhizos</i> (Umbrella-sedge)	G5	S1	--	E	1	1
<i>Cyperus grayi</i> (Gray's Umbrella Sedge)	G5	S1	--	E	-	1
<i>Cyperus houghtonii</i> (Houghton's Umbrella Sedge)	G4?	S1	--	E	5	1
<i>Cyperus squarrosus</i> (Incurved Umbrella Sedge)	G5	S1	--	E	5	2
<i>Cypripedium arietinum</i> (Ram's-head Lady's Slipper)	G3	S1	--	E	10	3
<i>Cypripedium parviflorum</i> var. <i>makasin</i> (Yellow Lady's Slipper)	G5T4Q	S1	--	E	9	1
<i>Cypripedium parviflorum</i> var. <i>pubescens</i> (Large Yellow Lady's Slipper)	G5T5	S2	--	T	12	8
<i>Cypripedium reginae</i> (Showy Lady's Slipper)	G4	S1	--	E	3	4
<i>Desmodium cuspidatum</i> (Toothed Tick Trefoil)	G5	SH	--	E	3	-
<i>Desmodium marilandicum</i> (Maryland Tick Trefoil)	G5	S1	--	E	2	2
<i>Desmodium obtusum</i> (Stiff Tick Trefoil)	G4G5	SH	--	E	2	-
<i>Desmodium rotundifolium</i> (Prostrate Tick Trefoil)	G5	S2	--	T	5	7
<i>Diapensia lapponica</i> (Diapensia)	G5	S2	--	T	4	12
<i>Dichanthelium sphaerocarpon</i> (Spherical Panic Grass)	G5	S1	--	E	1	1
<i>Digitaria filiformis</i> var. <i>filiformis</i> (Slender Crabgrass)	G5TNR	SH	--	E	4	-
<i>Digitaria filiformis</i> var. <i>laevigulmis</i> (Smooth Crabgrass)	G5TNR	S1	--	E	-	-
<i>Diphasiastrum sitchense</i> (Sitka Clubmoss)	G5	S1	--	E	4	1
<i>Diplazium pycnocarpon</i> (Narrow-leaved Spleenwort)	G5	S1	--	E	3	3
<i>Draba cana</i> (Canescent Whitlow-mustard)	G5	S1	--	E	-	1
<i>Dryopteris filix-mas</i> ssp. <i>brittonii</i> (Male Fern)	G5T4?	S1	--	E	-	1
<i>Dryopteris fragrans</i> (Fragrant Fern)	G5	S2	--	T	5	10
<i>Echinochloa walteri</i> (Coast Barnyard Grass)	G5	SH	--	E	1	-
<i>Elatine americana</i> (American Waterwort)	G4	SH	--	E	2	-
<i>Eleocharis diandra</i> (Wright's Spike-rush)	G1G2	SH	--	E	3	-
<i>Eleocharis erythropoda</i> (Bald Spike-rush)	G5	S1	--	E	3	1
<i>Eleocharis intermedia</i> (Matted Spike-rush)	G5	SH	--	E	3	-
<i>Eleocharis nitida</i> (Neat Spike-rush)	G4	SH	--	E	2	-
<i>Eleocharis obtusa</i> var. <i>peasei</i> (Pease's Blunt Spike-rush)	G5TNR	SH	--	--	1	-
<i>Eleocharis ovata</i> (Ovoid Spike-rush)	G5	SH	--	E	12	-
<i>Eleocharis parvula</i> (Small Spike-rush)	G5	S2	--	T	9	13
<i>Eleocharis quinqueflora</i> ssp. <i>fernaldii</i> (Few-flowered Spike-rush)	G5TNRQ	S1	--	E	5	1
<i>Eleocharis tuberculosa</i> (Tuberclcd Spike-rush)	G5	SH	--	E	5	-
<i>Eleocharis uniglumis</i> (Salt-loving Spike-rush)	G5?	S2	--	T	4	8
<i>Elymus macgregorii</i> (Macgregor's Wild Rye)	GNR	S1	--	E	-	-
<i>Epilobium anagallidifolium</i> (Alpine Willowherb)	G5	SH	--	E	2	-
<i>Epilobium hornemannii</i> (Hornemann's Willowherb)	G5	S2	--	T	5	9
<i>Epilobium lactiflorum</i> (White-flower Willowherb)	G5	SH	--	E	1	-
<i>Equisetum palustre</i> (Marsh Horsetail)	G5	S1	--	E	10	2
<i>Eragrostis frankii</i> (Frank's Love Grass)	G5	SH	--	E	2	-
<i>Eragrostis hypnoides</i> (Moss Love Grass)	G5	SH	--	E	1	-
<i>Eriophorum angustifolium</i> (Narrow-leaved Cotton-grass)	G5	S1	--	E	1	3
<i>Eupatorium pubescens</i> (Hairy Boneset)	G5T5	S1	--	E	1	1
<i>Eupatorium sessilifolium</i> (Upland Boneset)	G5	SH	--	E	2	-



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<i>Euphorbia polygonifolia</i> (Seaside Spurge)	G5?	SH	--	--	4	-
<i>Euphrasia oakesii</i> (Oakes' Eyebright)	G4	S1	--	E	-	2
<i>Euthamia caroliniana</i> (Grassleaf Goldenrod)	G5	S2	--	T	1	10
<i>Eutrochium fistulosum</i> (Tubular Thoroughwort)	G5?	S1	--	E	6	3
<i>Festuca prolifera</i> (Proliferous Fescue)	GU	S1	--	E	1	1
<i>Galearis spectabilis</i> (Showy Orchis)	G5	S2	--	T	5	11
<i>Galium brevipes</i> (Limestone Swamp Bedstraw)	G4?	S1	--	E	-	-
<i>Galium obtusum</i> (Large Marsh Bedstraw)	G5	SH	--	E	2	-
<i>Galium pilosum</i> (Hairy Bedstraw)	G5	SH	--	E	4	-
<i>Gaylussacia bigeloviana</i> (Dwarf Huckleberry)	G5T4T5	S2	--	T	5	5
<i>Gentianella quinquefolia</i> (Stiff Gentian)	G5	S1	--	E	6	1
<i>Gentianopsis crinita</i> (Fringed Gentian)	G5	S2	--	T	20	7
<i>Geocaulon lividum</i> (Northern Comandra)	G5	S1	--	E	5	6
<i>Geranium carolinianum</i> (Carolina Crane's-bill)	G5	S1	--	E	3	2
<i>Geum fragarioides</i> (Barren Strawberry)	G5T5	S2	--	T	5	7
<i>Geum peckii</i> (Mountain Avens)	G2	S2	--	T	2	16
<i>Glyceria acutiflora</i> (Sharp-flowered Mannagrass)	G5	S1	--	E	6	3
<i>Glyceria septentrionalis</i> (Eastern Floating Mannagrass)	G5	S1	--	E	-	-
<i>Graphophorum melicoides</i> (Bristle Grass)	G4	SH	--	E	1	-
<i>Hackelia deflexa</i> ssp. <i>americana</i> (Nodding Stickseed)	G5T5	SH	--	E	1	-
<i>Hackelia virginiana</i> (Stickseed)	G5	S1	--	E	12	10
<i>Halenia deflexa</i> (Spurred Gentian)	G5	S2	--	T	1	6
<i>Harrimanella hypnoides</i> (Moss-plant)	G5	S1	--	E	1	4
<i>Heteranthera dubia</i> (Water Stargrass)	G5	S2	--	T	2	8
<i>Hibiscus moscheutos</i> (Seaside Mallow)	G5	S1	--	E	-	2
<i>Hieracium robinsonii</i> (Robinson's Hawkweed)	G2G3	S1	--	E	-	1
<i>Hieracium umbellatum</i> (Umbelled Hawkweed)	G5	S1	--	E	-	1
<i>Hippuris vulgaris</i> (Common Mare's Tail)	G5	S2	--	T	3	7
<i>Honckenya peploides</i> ssp. <i>robusta</i> (Sea-chickweed)	G5T4	SX	--	--	1	-
<i>Hottonia inflata</i> (Featherfoil)	G4	S1	--	E	1	5
<i>Houstonia longifolia</i> (Long-leaved Bluets)	G4G5	S1	--	E	1	2
<i>Hudsonia ericoides</i> (Golden Heather)	G4	S1	--	E	6	4
<i>Hudsonia tomentosa</i> (Hairy Hudsonia)	G5	S2	--	T	3	13
<i>Huperzia appressa</i> (Mountain Firmoss)	G4G5	S1	--	E	11	3
<i>Huperzia selago</i> (Northern Firmoss)	G5	SH	--	E	3	-
<i>Hydrophyllum virginianum</i> (Northern Waterleaf)	G5	S2	--	T	3	13
<i>Hypericum ascyron</i> (Great St. John's-wort)	G4	S1	--	E	4	3
<i>Hypoxis hirsuta</i> (Hairy Stargrass)	G5	S2	--	T	9	7
<i>Ilex glabra</i> (Inkberry)	G5	SH	--	E	1	-
<i>Iris prismatica</i> (Slender Blue Flag)	G4G5	S1	--	E	8	3
<i>Isoetes acadiensis</i> (Acadian Quillwort)	G3Q	S1	--	E	-	-
<i>Isoetes engelmannii</i> (Engelmann's Quillwort)	G4	S1	--	E	14	1
<i>Isoetes lacustris</i> (Large-spored Quillwort)	G5	SH	--	E	5	-
<i>Isoetes riparia</i> var. <i>canadensis</i> (River Bank Quillwort)	G5?TNRQ	S1	--	E	13	2
<i>Isotria medeoloides</i> (Small Whorled Pogonia)	G2	S2	T	T	11	40
<i>Isotria verticillata</i> (Large Whorled Pogonia)	G5	S1	--	E	2	2
<i>Iva frutescens</i> (Marsh Elder)	G5	S2	--	T	2	9
<i>Juncus alpinoarticulatus</i> ssp. <i>americanus</i> (Alpine Rush)	G5T5	S1	--	E	-	1
<i>Juncus brachycephalus</i> (Short-fruited Rush)	G5	SH	--	E	6	-
<i>Juncus dichotomus</i> (Flat-leaved Rush)	G5	SH	--	E	1	-
<i>Juncus secundus</i> (One-sided Rush)	G5?	SH	--	E	6	-
<i>Juncus stygius</i> ssp. <i>americanus</i> (Moor Rush)	G5T5	S1	--	E	-	1
<i>Juniperus horizontalis</i> (Creeping Juniper)	G5	S1	--	E	-	2
<i>Kalmia procumbens</i> (Alpine Azalea)	G5	S2	--	T	2	2



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<i>Lechea tenuifolia</i> (Slender Pinweed)	G5	S1	--	E	2	2
<i>Lemna trisulca</i> (Star Duckweed)	G5	S1	--	E	3	2
<i>Lemna valdiviana</i> (Pale Duckweed)	G5	SH	--	E	4	-
<i>Leptochloa fusca</i> ssp. <i>fascicularis</i> (Salt-meadow Grass)	G5T5	SH	--	E	1	-
<i>Lespedeza procumbens</i> (Trailing Bush-clover)	G5	S1	--	E	2	1
<i>Lespedeza virginica</i> (Slender Bush-clover)	G5	S1	--	E	4	3
<i>Leymus mollis</i> (Sea Lyme Grass)	G5	S1	--	E	1	1
<i>Liatris novae-angliae</i> (Northern Blazing Star)	G5?T3	S1	--	E	9	7
<i>Lilaeopsis chinensis</i> (Eastern Lilaeopsis)	G5	S1	--	E	3	1
<i>Lilium superbum</i> (Turk's Cap Lily)	G5	S1	--	E	-	1
<i>Limosella australis</i> (Mudwort)	G4G5	S1	--	E	1	1
<i>Lindernia dubia</i> var. <i>anagallidea</i> (False Pimpernel)	G5T4	S1	--	E	-	4
<i>Linum sulcatum</i> (Grooved Yellow Flax)	G5	SH	--	E	1	-
<i>Liparis loeselii</i> (Loesel's Twayblade)	G5	S2	--	T	18	6
<i>Lipocarpa micrantha</i> (Dwarf Bulrush)	G5	SH	--	E	3	-
<i>Lobelia kalmii</i> (Kalm's Lobelia)	G5	S2	--	T	8	9
<i>Lobelia siphilitica</i> (Great Lobelia)	G5T5	S1	--	E	-	1
<i>Lupinus perennis</i> (Wild Lupine)	G5	S2	--	T	11	15
<i>Luzula confusa</i> (Northern Woodrush)	G5	SH	--	E	3	-
<i>Luzula spicata</i> (Spiked Woodrush)	G5	S1	--	E	6	2
<i>Lycopodiella appressa</i> (Slender Bog Clubmoss)	G5	SH	--	E	1	-
<i>Lygodium palmatum</i> (Climbing Fern)	G4	S1	--	E	3	2
<i>Lysimachia thyrsiflora</i> (Tufted Loosestrife)	G5	S2	--	T	4	6
<i>Malaxis monophyllos</i> ssp. <i>brachypoda</i> (White Adder's Mouth)	G4Q	SH	--	E	3	-
<i>Malaxis unifolia</i> (Green Adder's Mouth)	G5	S2	--	T	40	16
<i>Menispermum canadense</i> (Yellow Parilla)	G5	SH	--	E	1	-
<i>Mertensia maritima</i> (Oyster Plant)	G5	SX	--	--	1	-
<i>Mikania scandens</i> (Climbing Hempweed)	G5	S1	--	E	5	5
<i>Mimulus moschatus</i> (Muskflower)	G5	S1	--	E	2	2
<i>Minuartia glabra</i> (Smooth Sandwort)	G4	S1	--	E	3	5
<i>Minuartia michauxii</i> (Rock Sandwort)	G5	S1	--	E	1	2
<i>Muhlenbergia sobolifera</i> (Sprout Muhlenbergia)	G5	SH	--	E	5	-
<i>Muhlenbergia tenuiflora</i> (Slender-flowered Muhlenbergia)	G5	SH	--	E	3	-
<i>Nabalus boottii</i> (Boott's Rattlesnake Root)	G2	S1	--	E	-	5
<i>Nabalus serpentarius</i> (Gall-of-the-earth)	G5	SH	--	E	3	-
<i>Neottia auriculata</i> (Auricled Twayblade)	G3G4	S1	--	E	4	3
<i>Neottia convallarioides</i> (Broad-leaved Twayblade)	G5	S2	--	T	10	13
<i>Neottia cordata</i> (Heart-leaved Twayblade)	G5	S2	--	T	16	7
<i>Nuphar microphylla</i> (Tiny Cowlily)	G5T4T5	SH	--	E	2	-
<i>Oligoneuron album</i> (Snowy Aster)	G5	S1	--	E	-	2
<i>Omalotheca supina</i> (Mountain Cudweed)	G5	S1	--	E	2	1
<i>Ophioglossum pusillum</i> (Northern Adder's Tongue)	G5	S1	--	E	1	3
<i>Osmorhiza berteroi</i> (Mountain Sweet Cicely)	G5	S1	--	E	17	5
<i>Oxyria digyna</i> (Mountain Sorrel)	G5	S1	--	E	-	2
<i>Packera obovata</i> (Round-leaved Ragwort)	G5	S1	--	E	1	1
<i>Packera paupercula</i> (Dwarf Ragwort)	G5	S2	--	T	5	6
<i>Panax quinquefolius</i> (Ginseng)	G3G4	S2	--	T	12	65
<i>Panicum philadelphicum</i> var. <i>philadelphicum</i> (Philadelphia Panic Grass)	G5	SH	--	E	8	-
<i>Parnassia glauca</i> (Grass-of-Parnassus)	G5	S2	--	T	1	6
<i>Paronychia argyrocoma</i> (Silverling)	G4	S2	--	T	3	18
<i>Paronychia canadensis</i> (Smooth-forked Chickweed)	G5	S1	--	E	4	4
<i>Pellaea atropurpurea</i> (Purple Cliffbrake)	G5	S1	--	E	-	1
<i>Persicaria robustior</i> (Robust Knotweed)	G4G5	S1	--	E	4	2
<i>Petasites frigidus</i> var. <i>palmatus</i> (Sweet Coltsfoot)	G5T5	S1	--	E	5	4



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<i>Phleum alpinum</i> (Alpine Timothy)	G5	S1	--	E	2	3
<i>Phyllodoce caerulea</i> (Mountain Heath)	G5	S2	--	T	2	5
<i>Pinguicula vulgaris</i> (Common Butterwort)	G5	S1	--	E	2	1
<i>Pinus banksiana</i> (Jack Pine)	G5	S2	--	T	1	7
<i>Piptatherum canadense</i> (Canadian Mountain Rice)	G5	S1	--	E	4	2
<i>Platanthera flava</i> var. <i>herbiola</i> (Pale Green Orchid)	G4?T4Q	S1	--	E	5	5
<i>Pluchea odorata</i> var. <i>succulenta</i> (Salt Marsh Fleabane)	G5T3T5	S1	--	E	-	1
<i>Poa glauca</i> (White Bluegrass)	G5	SH	--	E	6	-
<i>Poa laxa</i> ssp. <i>fernaldiana</i> (Wavy Bluegrass)	G5?T3	S1	--	E	5	2
<i>Poa pratensis</i> ssp. <i>alpigena</i> (Alpine Meadow Grass)	G5T5	S1	--	E	3	1
<i>Polygala cruciata</i> ssp. <i>aquilonia</i> (Drum-heads Milkwort)	G5T4	SH	--	E	3	-
<i>Polygonum douglasii</i> (Douglas' Knotweed)	G5	S2	--	T	2	9
<i>Polygonum erectum</i> (Erect Knotweed)	G5	SH	--	E	3	-
<i>Polygonum ramosissimum</i> ssp. <i>prolificum</i> (Prolific Knotweed)	G5T4T5	S1	--	E	8	1
<i>Polygonum tenue</i> (Slender Knotweed)	G5	S1	--	E	2	3
<i>Potamogeton alpinus</i> (Thin-leaved Alpine Pondweed)	G5	S1	--	E	6	1
<i>Potamogeton foliosus</i> (Leafy Pondweed)	G5	SH	--	E	5	-
<i>Potamogeton gemmiparus</i> (Budding Pondweed)	G5T3	SH	--	E	6	-
<i>Potamogeton nodosus</i> (Knotty Pondweed)	G5	S2	--	T	10	9
<i>Potamogeton obtusifolius</i> (Bluntleaf Pondweed)	G5	SH	--	E	4	-
<i>Potamogeton praelongus</i> (White-stem Pondweed)	G5	SH	--	E	1	-
<i>Potamogeton richardsonii</i> (Richardson's Pondweed)	G5	SH	--	--	1	-
<i>Potamogeton vaseyi</i> (Vasey's Pondweed)	G4	S1	--	E	8	3
<i>Potamogeton zosteriformis</i> (Flatstem Pondweed)	G5	S1	--	E	6	4
<i>Potentilla litoralis</i> (Pennsylvania Cinquefoil)	G5T4T5	SH	--	E	2	-
<i>Potentilla robbinsiana</i> (Dwarf Cinquefoil)	G1	S1	--	E	-	2
<i>Proserpinaca pectinata</i> (Mermaidweed)	G5	SH	--	E	3	-
<i>Pseudognaphalium micradenium</i> (Heller's Sweet Everlasting)	G4G5T3?	SH	--	E	1	-
<i>Pterospora andromedea</i> (Giant Pinedrops)	G5	S1	--	E	2	1
<i>Puccinellia pumila</i> (Tundra Alkali Grass)	G4G5	S1	--	E	5	2
<i>Pycnanthemum incanum</i> (Hoary Mountain Mint)	G5	S1	--	E	2	3
<i>Pycnanthemum torrei</i> (Torry's Mountain Mint)	G2	SH	--	E	1	-
<i>Pycnanthemum virginianum</i> (Virginian Mountain Mint)	G5	S1	--	E	2	1
<i>Pyrola asarifolia</i> (Pink Wintergreen)	G5	S1	--	E	6	3
<i>Quercus macrocarpa</i> (Mossy-cup Oak)	G5	S1	--	E	1	1
<i>Ranunculus ambigens</i> (Water-plantain Spearwort)	G4	S1	--	E	2	1
<i>Ranunculus fascicularis</i> (Early Buttercup)	G5	S1	--	E	1	3
<i>Rhinanthus minor</i> ssp. <i>groenlandicus</i> (Yellow Rattle)	G5T5?	SH	--	E	4	-
<i>Rhododendron lapponicum</i> (Lapland Rosebay)	G5	S1	--	E	-	1
<i>Rhododendron maximum</i> (Giant Rhododendron)	G5	S2	--	T	6	7
<i>Rhododendron periclymenoides</i> (Pink Azalea)	G5	SH	--	E	2	-
<i>Rhynchospora capillacea</i> (Needle Beak Sedge)	G4	S1	--	E	-	1
<i>Rosa acicularis</i> ssp. <i>sayi</i> (Prickly Rose)	G5T5	S1	--	E	1	1
<i>Rotala ramosior</i> (Lowland Toothcup)	G5	SH	--	E	1	-
<i>Rubus chamaemorus</i> (Baked Apple Berry)	G5	S2	--	T	2	7
<i>Rubus cuneifolius</i> (Wedge Sand Blackberry)	G5	S1	--	E	-	1
<i>Rumex pallidus</i> (White Dock)	G4	S1	--	E	-	1
<i>Sagina nodosa</i> ssp. <i>borealis</i> (Greater Pearlwort)	G5T5	SH	--	E	1	-
<i>Sagittaria cuneata</i> (Wapato)	G5	S1	--	E	10	2
<i>Sagittaria montevidensis</i> ssp. <i>spongiosa</i> (Spongy-leaved Arrowhead)	G5T4	S1	--	E	1	1
<i>Sagittaria rigida</i> (Sessile-fruited Arrowhead)	G5	SH	--	E	7	-
<i>Sagittaria teres</i> (Quill-leaved Sagittaria)	G3	S1	--	E	-	1
<i>Salicornia ambigua</i> (Perennial Glasswort)	GNR	S1	--	E	3	1
<i>Salicornia bigelovii</i> (Dwarf Glasswort)	G5	S1	--	E	2	5



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<i>Salix argyrocarpa</i> (Silver Willow)	G4	S1	--	E	-	2
<i>Salix exigua</i> ssp. <i>interior</i> (Sandbar Willow)	G5	SH	--	E	4	-
<i>Salix herbacea</i> (Dwarf Willow)	G5	S1	--	E	1	3
<i>Salix pellita</i> (Satin Willow)	G5	S1	--	E	15	1
<i>Salix planifolia</i> (Tea-leaved Willow)	G5	S2	--	T	1	6
<i>Salix uva-ursi</i> (Bearberry Willow)	G5	S2	--	T	-	6
<i>Samolus valerandi</i> ssp. <i>parviflorus</i> (False Water Pimpernel)	G5T5	S1	--	E	3	2
<i>Sanicula canadensis</i> (Short-styled Sanicle)	G5	SH	--	E	2	-
<i>Sanicula odorata</i> (Cluster Sanicle)	G5	S1	--	E	7	2
<i>Sanicula trifoliata</i> (Beaked Sanicle)	G4	S2	--	T	7	9
<i>Saxifraga cernua</i> (Nodding Saxifrage)	G4	S1	--	E	-	1
<i>Saxifraga paniculata</i> ssp. <i>neogaea</i> (Livelong Saxifrage)	G5T5?	S1	--	E	-	2
<i>Saxifraga rivularis</i> (Alpine Brook Saxifrage)	G5?	S1	--	E	-	2
<i>Scirpus ancistrochaetus</i> (Northeastern Bulrush)	G3	S1	E	E	-	7
<i>Scirpus georgianus</i> (Georgia Bulrush)	G5	S1	--	E	1	1
<i>Scirpus longii</i> (Long's Bulrush)	G2G3	S1	--	E	-	2
<i>Scirpus pendulus</i> (Lined Bulrush)	G5	S1	--	E	4	1
<i>Scirpus polyphyllus</i> (Leafy Bulrush)	G5	SH	--	E	3	-
<i>Scleria pauciflora</i> var. <i>pauciflora</i> (Few-flowered Nutsedge)	G5T5?	SH	--	E	1	-
<i>Scleria reticularis</i> (Netted Nutsedge)	G4	S1	--	E	-	1
<i>Sclerolepis uniflora</i> (Sclerolepis)	G4	S1	--	E	-	1
<i>Senna hebecarpa</i> (Wild Senna)	G5	S1	--	E	9	1
<i>Sericocarpus linifolius</i> (White-topped Aster)	G5	S1	--	E	3	2
<i>Sibbaldia procumbens</i> (Sibbaldia)	G5	S1	--	E	-	1
<i>Silene acaulis</i> (Moss Campion)	G5	S1	--	E	3	1
<i>Silene caroliniana</i> ssp. <i>pennsylvanica</i> (Wild Campion)	G5T4T5	SH	--	E	1	-
<i>Sisyrinchium mucronatum</i> (Mucronated Blue-eyed Grass)	G5	SH	--	E	1	-
<i>Solidago leiocarpa</i> (Cutler's Goldenrod)	G4	S2	--	T	4	5
<i>Solidago odora</i> (Sweet Goldenrod)	G5	S1	--	E	6	9
<i>Solidago patula</i> (Square-stem Goldenrod)	G5	SH	--	E	1	-
<i>Solidago speciosa</i> (Showy Goldenrod)	G5T5?	S1	--	E	-	1
<i>Sparganium androcladum</i> (Branching Bur-reed)	G4G5	SH	--	E	2	-
<i>Sparganium eurycarpum</i> (Large Bur-reed)	G5	S2	--	T	6	14
<i>Sparganium natans</i> (Small Bur-reed)	G5	S2	--	T	-	-
<i>Sphagnum andersonianum</i> (Peat Moss)	G3?	S2	--	T	-	1
<i>Sphagnum angermanicum</i> (Peat Moss)	G3G4	S1	--	E	-	1
<i>Sphagnum brevifolium</i> (Peat Moss)	G5T4T5	SH	--	E	1	-
<i>Sphagnum contortum</i> (Peat Moss)	G5	S2	--	T	3	7
<i>Sphagnum flavicomans</i> (Peat Moss)	G3	S1	--	E	-	3
<i>Sphagnum lindbergii</i> (Peat Moss)	G5?	S1	--	E	-	2
<i>Sphagnum majus</i> ssp. <i>norvegicum</i> (Peat Moss)	G5?TNR	S2	--	T	-	1
<i>Sphagnum pylaesii</i> (Peat Moss)	G4	S2	--	T	1	1
<i>Sphagnum riparium</i> (Peat Moss)	G5	S2	--	T	1	3
<i>Sphagnum subfulvum</i> (Peat Moss)	GNR	SH	--	E	1	-
<i>Sphagnum wulfianum</i> (Peat Moss)	G5	S2	--	T	-	1
<i>Sphenopholis obtusata</i> (Blunt Sphenopholis)	G5	SH	--	E	2	-
<i>Spiranthes casei</i> (Case's Ladies' Tresses)	G4	S1	--	E	3	1
<i>Spiranthes lucida</i> (Shining Ladies' Tresses)	G5	S1	--	E	3	3
<i>Sporobolus cryptandrus</i> (Sand Dropseed)	G5	S1	--	E	3	1
<i>Sporobolus neglectus</i> (Small Dropseed)	G5	SH	--	E	3	-
<i>Staphylea trifolia</i> (Bladdernut)	G5	S2	--	T	1	5
<i>Stuckenia filiformis</i> (Northern Slender Pondweed)	G5	SH	--	E	2	-
<i>Stuckenia pectinata</i> (Sago Pondweed)	G5	S1	--	E	7	2
<i>Suaeda calceoliformis</i> (Horned Seablite)	G5	S2	--	T	-	-



Name	Rank		Listing		Known sites	
	Global	State	Federal	State	<1992	1992+
<i>Suaeda maritima</i> ssp. <i>richii</i> (Rich's Seablite)	G5T3	S1	--	E	-	1
<i>Subularia aquatica</i> ssp. <i>americana</i> (Awlwort)	G5T5	S1	--	E	4	1
<i>Symphotrichum ciliolatum</i> (Ciliated Aster)	G5	S2	--	T	7	5
<i>Symphotrichum patens</i> (Skydrop Aster)	G5	S2	--	T	5	6
<i>Symphotrichum tenuifolium</i> (Large Salt Marsh Aster)	G5	S1	--	E	2	3
<i>Tephrosia virginiana</i> (Goat's Rue)	G5	S1	--	E	5	1
<i>Thalictrum revolutum</i> (Waxy-leaf Meadow-rue)	G5	S1	--	--	1	1
<i>Thalictrum thalictroides</i> (Rue Anemone)	G5	S1	--	E	4	2
<i>Triantha glutinosa</i> (Sticky False Asphodel)	G4G5	S1	--	E	-	4
<i>Trichomanes intricatum</i> (Appalachian Filmy Fern)	G4G5	SH	--	E	2	-
<i>Trichophorum planifolium</i> (Bashful Clubsedge)	G4G5	S1	--	E	-	2
<i>Triosteum aurantiacum</i> (Orange Horse-gentian)	G5	S1	--	E	1	1
<i>Triphora trianthophora</i> (Three-birds Orchid)	G3G4	S2	--	T	9	19
<i>Triplasis purpurea</i> (Sand Grass)	G4G5	SH	--	E	1	-
<i>Utricularia resupinata</i> (Reversed Bladderwort)	G4	SH	--	E	15	-
<i>Uvularia grandiflora</i> (Large-flowered Bellwort)	G5	S1	--	E	2	5
<i>Uvularia perfoliata</i> (Perfoliate Bellwort)	G5	S1	--	E	1	1
<i>Vaccinium boreale</i> (Alpine Blueberry)	G4	S2	--	T	5	12
<i>Vaccinium cespitosum</i> (Dwarf Bilberry)	G5	S2	--	T	11	5
<i>Vahlodea atropurpurea</i> (Mountain Hairgrass)	G5	S1	--	E	7	1
<i>Valeriana uliginosa</i> (Marsh Valerian)	G4Q	SH	--	E	1	-
<i>Veronica wormskjoldii</i> (Alpine Speedwell)	G4G5	S1	--	E	1	3
<i>Viburnum rafinesquianum</i> (Downy Arrowwood)	G5	S1	--	E	4	3
<i>Viola nephrophylla</i> (Kidney-leaved Violet)	G5	SH	--	E	8	-
<i>Viola palmata</i> (Palmate Violet)	G5	S1	--	E	3	1
<i>Viola palustris</i> (Alpine Marsh Violet)	G5	S2	--	T	2	4
<i>Viola pedata</i> (Bird's-foot Violet)	G5	S2	--	T	6	8
<i>Vulpia octoflora</i> var. <i>tenella</i> (Eight-flowered Six-weeks Grass)	G5TNR	SH	--	E	5	-
<i>Woodsia glabella</i> (Smooth Woodsia)	G5	S1	--	E	2	2
<i>Woodsia obtusa</i> (Blunt-lobed Woodsia)	G5	S1	--	E	4	5
<i>Woodwardia areolata</i> (Netted Chain Fern)	G5	S1	--	E	3	1
<i>Zannichellia palustris</i> (Horned Pondweed)	G5	S1	--	E	5	1
<i>Zanthoxylum americanum</i> (Northern Prickly Ash)	G5	SH	--	E	1	-

Rank Prefix:

G = Global Rank
 S = State Rank
 T = Global or State Rank for
 a subspecies or variety

Rank Suffix:

1 = Critically imperiled
 2 = Imperiled
 3 = Vulnerable
 4 = Apparently secure
 5 = Secure

H = Occurred historically, not seen recently

X = Extirpated

NR / U = Not ranked / Unknown
 Q = Questionable taxonomy
 ? = Uncertain

Listing Codes:

E = Endangered
 T = Threatened

Rare Species Occurrence Record

Please fill out this form to report the location of a rare plant or animal species to the New Hampshire Natural Heritage Bureau. Required information is indicated by an asterisk; other items are desirable but not required. Rare species lists are at: www.dred.state.nh.us/divisions/forestandlands/bureaus/naturalheritage/listsforms.htm. Call (603) 271-2214 with any questions. Thank you!

If sent to NHB as a Word document, use the naming convention "Name Town Mon dd", where "Name" = what was seen (common or scientific) and town, month & day are where & when it was seen, e.g., "Loon Squam Aug 12" or "Scirpus longii Derry Sep 12".

What and When

* Scientific Name:	
Common Name:	
* Date(s) Observed:	
* Who Observed It:	Phone # or email:

Location

Town Name:
* Map. Attach a map with the location marked. Ideally, use a USGS topographic map. If you hand-sketch the map, be sure to include a north arrow, scale, and landmarks such as roads and major water bodies. If you provide GPS coordinates, please tell us the model of the unit and the datum (e.g., WGS 84 or NAD 83). Directions. Write this as if you are telling someone how to get back to the exact site:

Taxonomy

* How did you identify the species? What traits helped you decide that you had seen this species? What similar species did you consider and how did you exclude them? Photos showing key characteristics are welcome. A specimen is usually required to document a new plant population, however, an entire plant should never be collected if there are < 20 plants present.
* Certainty of ID (1=dubious, 5=absolutely positive): If a specimen was collected, collector, collection number, and where the specimen is stored:

Biology

* How many? If there are a few, count them. If there are a lot, estimate (e.g. 50-100)

Plants: how are they distributed, in how large an area? For example: "In a tight clump about 2 feet square" or "Scattered over a 30 x 60 foot area"

Evidence of reproduction? Plants: flowers/fruit/seed. Animals: nests/youngsters... etc.

Local surroundings: what do you see when you look around the area? Is it a steep slope or the middle of a swamp? What are the most common plants?

Conservation Status (if known):

* Land ownership: name of owner (private) or area (if public).

Phone number of owner (if known):

Is the landowner aware that you are reporting this find to NH Heritage? Y/N

Factors that indicate how secure the occurrence is (e.g. evidence of disturbance / owner is interested in protecting it...)