

ii. The total number of individuals or number of individuals per population of the species in the State; or

iii. The inherent ability of the species or population to perpetuate itself in the State;

2. It is listed, proposed, or under review by the Federal government as endangered or threatened throughout its range in the United States pursuant to the "Endangered Species Act of 1973," P.L. 93-205 (16 U.S.C. section 1533 et seq.), as amended;

3. It is known or believed to be rare throughout its worldwide range; and/or

4. It has five or fewer extant populations in the State.

SUBCHAPTER 3. PLANT SPECIES OF CONCERN

7:5C-3.1 Plant species of concern

The Department will maintain a list of plant species of concern for the purpose of monitoring the status of the State's flora and to serve as a working list for transition of species to and from the Endangered Plant Species List. The list of plant species of concern will be composed of those species not listed as endangered at N.J.A.C. 7:5C-5.1 and whose populations are monitored by the Natural Heritage Database.

Amended by R.1991 d.446, effective August 19, 1991.
See: 23 N.J.R. 812(a), 23 N.J.R. 2507(b).
Deleted "additional" and added "of concern".

SUBCHAPTER 4. PUBLIC PARTICIPATION

7:5C-4.1 Public participation

Persons with information that will help the Department in determining whether a plant species qualifies under the criteria at N.J.A.C. 7:5C-2.2 as endangered may submit specific information to the Division at the following address detailing how the species may qualify as endangered pursuant to N.J.A.C. 7:5C-2.2:

Office of Natural Lands Management
Division of Parks and Forestry
PO Box 404
Trenton, New Jersey 08625-0404

Amended by R.2000 d.42, effective January 18, 2000.
See: 31 N.J.R. 3005(a), 32 N.J.R. 274(a).

SUBCHAPTER 5. ENDANGERED PLANT SPECIES LIST

7:5C-5.1 Endangered Plant Species List

The following plant species are designated as endangered plant species:

| 1. Scientific Name | Common Name |
|---|--------------------------|
| <i>Aeschynomene virginica</i> | sensitive joint-vetch |
| <i>Alisma triviale</i> | large water-plantain |
| <i>Amaranthus pumilus</i> | sea-beach pigweed |
| <i>Amelanchier sanguinea</i> | running serviceberry |
| <i>Ammannia latifolia</i> | Koehn's tooth-cup |
| <i>Andromeda glaucophylla</i> | bog rosemary |
| <i>Anemone cylindrica</i> | long-headed anemone |
| <i>Antennaria neglecta</i> var. <i>canadensis</i> | Canada pussytoes |
| <i>Aplectrum hyemale</i> | puttyroot |
| <i>Arabis drummondii</i> | Drummond's rock cress |
| <i>Arceuthobium pusillum</i> | dwarf mistletoe |
| <i>Arenaria stricta</i> | rock sandwort |
| <i>Aristida lanosa</i> | wooly three-awned grass |
| <i>Armoracia lacustris</i> | lake cress |
| <i>Asimina triloba</i> | pawpaw |
| <i>Asplenium bradleyi</i> | Bradley's spleenwort |
| <i>Asplenium pinnatifidum</i> | lobed spleenwort |
| <i>Aster borealis</i> | rush aster |
| <i>Aster firmus</i> | shining aster |
| <i>Aster praealtus</i> | willow-leaved aster |
| <i>Aster radula</i> | low rough aster |
| <i>Athyrium pycnocarpon</i> | glade fern |
| <i>Atriplex subspicata</i> | orache |
| <i>Bidens beckii</i> | water-marigold |
| <i>Bidens eatonii</i> | Eaton's bur-marigold |
| <i>Boltonia asteroides</i> var. <i>glaberrima</i> | boltonia |
| <i>Botrychium multifidum</i> | leathery grape-fern |
| <i>Bouteloua curtipendula</i> | side-oats gramma grass |
| <i>Cacalia atriplicifolia</i> | pale indian plantain |
| <i>Calamagrostis pickeringii</i> | Pickering's reedgrass |
| <i>Calystegia sepium</i> ssp. <i>erratica</i> | bindweed |
| <i>Calystegia spithamea</i> | erect bindweed |
| <i>Cardamine longii</i> | Long's bitter cress |
| <i>Cardamine maxima</i> | large-leaved toothwort |
| <i>Cardamine rotundifolia</i> | round-leaved water-cress |
| <i>Carex albursina</i> | sedge |
| <i>Carex alopecoidea</i> | foxtail sedge |
| <i>Carex amphibola</i> var. <i>amphibola</i> | narrow-leaved sedge |
| <i>Carex aquatilis</i> | water sedge |
| <i>Carex arctata</i> | dropping woodsedge |
| <i>Carex backii</i> | Back's sedge |
| <i>Carex brunnescens</i> | brownish sedge |
| <i>Carex bushii</i> | Bush's sedge |
| <i>Carex crawei</i> | Crawe's sedge |
| <i>Carex cumulata</i> | clustered sedge |
| <i>Carex deweyana</i> | Dewey's sedge |
| <i>Carex formosa</i> | handsome sedge |
| <i>Carex haydenii</i> | cloud sedge |
| <i>Carex jamesii</i> | Nebraska sedge |
| <i>Carex jorii</i> | cypress-swamp sedge |
| <i>Carex leptonevria</i> | finely-nerved sedge |
| <i>Carex limosa</i> | mud sedge |
| <i>Carex louisianica</i> | Louisiana sedge |
| <i>Carex lupuliformis</i> | hop-like sedge |
| <i>Carex oligocarpa</i> | few-fruited sedge |
| <i>Carex peckii</i> | white-tinged sedge |
| <i>Carex plantaginea</i> | plantain-leaved sedge |
| <i>Carex polymorpha</i> | variable sedge |
| <i>Carex pseudocyperus</i> | cyperus-like sedge |
| <i>Carex siccata</i> | dry-spiked sedge |

| 1. Scientific Name | Common Name | 1. Scientific Name | Common Name |
|--|--------------------------------|---|---------------------------------|
| <i>Carex tuckermanii</i> | Tuckerman's sedge | <i>Gentiana linearis</i> | narrow-leaved gentian |
| <i>Castanea pumila</i> | Allegheny chinquapin | <i>Glaux maritima</i> | sea-beach milkwort |
| <i>Centrosema virginianum</i> | spurred butterfly pea | <i>Glyceria borealis</i> | small floating mannagrass |
| <i>Ceratophyllum echinatum</i> | spiny coontail | <i>Glyceria grandis</i> | American mannagrass |
| <i>Cercis canadensis</i> | redbud | <i>Gnaphalium helleri</i> | Heller's everlasting |
| <i>Chenopodium rubrum</i> | red goosefoot | <i>Gnaphalium macounii</i> | clammy everlasting |
| <i>Cinna latifolia</i> | slender wood reedgrass | <i>Goodyera tessellata</i> | checkered rattlesnake plantain |
| <i>Cirsium virginianum</i> | Virginia thistle | | |
| <i>Claytonia virginica</i> var. <i>hammondiae</i> | Hammond's yellow spring beauty | <i>Gymnopogon brevifolius</i> | short-leaved skeleton grass |
| <i>Cleistes divaricata</i> | spreading pogonia | <i>Helonias bullata</i> | swamp-pink |
| <i>Clitoria mariana</i> | butterfly pea | <i>Hemicarpha micrantha</i> | Hemicarpha |
| <i>Coelorachis rugosa</i> | wrinkled jointgrass | <i>Hieracium kalmii</i> | Canada hawkweed |
| <i>Commelina erecta</i> | slender dayflower | <i>Hottonia inflata</i> | featherfoil |
| <i>Conioselinum chinense</i> | hemlock-parsley | <i>Hybanthus concolor</i> | green violet |
| <i>Corema conradii</i> | broom crowberry | <i>Hydrastis canadensis</i> | goldenseal |
| <i>Cornus amomum</i> var. <i>schuetzeana</i> | silky dogwood | <i>Hydrocotyle ranunculoides</i> | floating pennywort |
| <i>Crataegus calpodendron</i> | pear hawthorn | <i>Hydrophyllum canadense</i> | broad-leaved waterleaf |
| <i>Crataegus succulenta</i> | fleshy hawthorn | <i>Hypericum adpressum</i> | Barton's St. John's-wort |
| <i>Cryptogramma stelleri</i> | slender rock-brake | <i>Hypericum majus</i> | larger Canadian St. John's-wort |
| <i>Cuscuta cephalanthii</i> | button-bush dodder | | |
| <i>Cuscuta indecora</i> | collared dodder | <i>Hypericum prolificum</i> | shrubby St. John's-wort |
| <i>Cynoglossum virginianum</i> var. <i>boreale</i> | northern wild comfrey | <i>Ilex montana</i> | mountain holly |
| <i>Cyperus hystricinus</i> | flatsedge | <i>Isanthus brachiatus</i> | false pennyroyal |
| <i>Cyperus lancastricensis</i> | Lancaster flat sedge | <i>Isoetes lacustris</i> | lake quillwort |
| <i>Cyperus plukenetii</i> | Plukenet's flatsedge | <i>Isoetes melanopoda</i> | black-based quillwort |
| <i>Cyperus polystachyos</i> | coast flatsedge | <i>Isoetes tuckermanii</i> | Tuckerman's quillwort |
| <i>Cyperus pseudovegetus</i> | marsh flatsedge | <i>Isotria medeoloides</i> | small whorled pogonia |
| <i>Cyperus refractus</i> | reflexed flatsedge | <i>Jeffersonia diphylla</i> | twinleaf |
| <i>Cyperus retrofractus</i> | rough flatsedge | <i>Juncus brachycarpus</i> | short-fruited rush |
| <i>Cyperus schweinitzii</i> | Schweinitz's flatsedge | <i>Juncus caesariensis</i> | New Jersey rush |
| <i>Cyperus tenuifolius</i> | low flatsedge | <i>Juncus coriaceous</i> | awl-leaved rush |
| <i>Cypridium candidum</i> | small white lady's-slipper | <i>Juncus eliottii</i> | Elliott's rush |
| <i>Cypridium reginae</i> | showy lady's-slipper | <i>Juncus torreyi</i> | Torrey's rush |
| <i>Dalibarda repens</i> | robin-run-away | <i>Kalmia polifolia</i> | pale laurel |
| <i>Desmodium humifusum</i> | trailing tick-trefoil | <i>Krigia dandelion</i> | dwarf dandelion |
| <i>Desmodium pauciflorum</i> | few-flowered tick-trefoil | <i>Kuhnia eupatorioides</i> | false boneset |
| <i>Desmodium sessilifolium</i> | sessile-leaved tick-trefoil | <i>Lathyrus ochroleucus</i> | pale vetchling peavine |
| <i>Dicentra canadensis</i> | squirrel-corn | <i>Lathyrus venosus</i> | smooth veiny peavine |
| <i>Dicentra eximia</i> | wild bleeding-hearts | <i>Lechea tenuifolia</i> | slender pinweed |
| <i>Diodia virginiana</i> | larger buttonweed | <i>Lemna perpusilla</i> | minute duckweed |
| <i>Draba reptans</i> | Carolina whitlow-grass | <i>Lemna valdiviana</i> | pale duckweed |
| <i>Eleocharis brittonii</i> | Britton's spikerush | <i>Liatris scariosa</i> var. <i>novae-angliae</i> | northern blazing star |
| <i>Eleocharis compressa</i> | flat-stemmed spikerush | | |
| <i>Eleocharis equisetoides</i> | knotted spikerush | <i>Limosella subulata</i> | mudweed |
| <i>Eleocharis melanocarpa</i> | black-fruited spikerush | <i>Linnaea borealis</i> | twin-flower |
| <i>Eleocharis minima</i> | small spikerush | <i>Linum intercursum</i> | Florida yellow flax |
| <i>Eleocharis pauciflora</i> | few-flowered spikerush | <i>Linum sulcatum</i> | grooved yellow flax |
| <i>Eleocharis tenuis</i> var. <i>verrucosa</i> | spikerush | <i>Listera cordata</i> | heart-leaved twayblade |
| <i>Eleocharis tortilis</i> | twisted spikerush | <i>Listera smallii</i> | kidney-leaved twayblade |
| <i>Elephantopus carolinianus</i> | elephant's foot | <i>Lobelia boykinii</i> | Boykin's lobelia |
| <i>Ellisia nyctelea</i> | Aunt Lucy | <i>Lobelia dortmanna</i> | water lobelia |
| <i>Elymus trachycaulus</i> | slender wheatgrass | <i>Lonicera canadensis</i> | fly honeysuckle |
| <i>Equisetum pratense</i> | meadow horsetail | <i>Luzula acuminata</i> | hairy woodrush |
| <i>Equisetum variegatum</i> | variegated horsetail | <i>Lycopodium annotinum</i> | stiff clubmoss |
| <i>Eriophorum gracile</i> | slender cottongrass | <i>Maianthemum canadense</i> var. <i>interius</i> | Western wild lily of the valley |
| <i>Eriophorum tenellum</i> | rough cottongrass | <i>Malaxis bayardii</i> | Long's adder's-mouth |
| <i>Eriophorum vaginatum</i> var. <i>spissum</i> | sheathed cottongrass | <i>Malaxis monophyllos</i> | white adder's-mouth |
| <i>Eupatorium capillifolium</i> | dog-fennel thoroughwort | <i>Melanthium virginicum</i> | Virginia bunchflower |
| <i>Eupatorium resinosum</i> | pine barren boneset | <i>Micranthemum micranthemoides</i> | Nuttall's mudwort |
| <i>Euphorbia marilandica</i> | Maryland spurge | | |
| <i>Euphorbia purpurea</i> | glade spurge | <i>Milium effusum</i> | tall millet grass |
| <i>Filipendula rubra</i> | queen-of-the-prairie | <i>Monarda clinopodia</i> | basil bee-balm |
| <i>Fraxinus profunda</i> | pumpkin ash | <i>Muhlenbergia capillaris</i> | long-awned smoke grass |
| <i>Galactia volubilis</i> | downy milk-pea | <i>Myriophyllum pinnatum</i> | cut-leaved water-milfoil |
| <i>Galium hispidulum</i> | coast bedstraw | <i>Myriophyllum sibiricum</i> | Siberian water-milfoil |
| <i>Galium labradoricum</i> | Labrador marsh bedstraw | <i>Myriophyllum tenellum</i> | slender water-milfoil |
| <i>Galium trifidum</i> | small bedstraw | <i>Myriophyllum verticillatum</i> | whorled water-milfoil |
| <i>Gaultheria hispidula</i> | creeping snowberry | <i>Narthecium americanum</i> | bog asphodel |
| | | <i>Nelumbo lutea</i> | American lotus |
| | | <i>Nuphar microphyllum</i> | small yellow pond lily |
| | | <i>Oenothera humifusa</i> | sea-side evening primrose |
| | | <i>Onosmodium virginianum</i> | Virginia false-gromwell |

| 1. Scientific Name | Common Name | 1. Scientific Name | Common Name |
|---|----------------------------------|---|-----------------------------|
| <i>Ophioglossum vulgatum</i> var. <i>pycnostichum</i> | sheathed adder's tongue | <i>Ruellia caroliniensis</i> | Carolina petunia |
| <i>Oryzopsis asperifolia</i> | white-grained mountain ricegrass | <i>Sacciolepis striata</i> | American cupscale |
| <i>Oryzopsis pungens</i> | slender mountain ricegrass | <i>Sagittaria australis</i> | southern arrow head |
| <i>Panicum aciculare</i> | bristling panic grass | <i>Sagittaria cuneata</i> | arrow-leaved arrow head |
| <i>Panicum boreale</i> | northern panic grass | <i>Sagittaria teres</i> | slender arrow head |
| <i>Panicum flexile</i> | wiry panic grass | <i>Salix pedicellaris</i> | bog willow |
| <i>Panicum hirtii</i> | Hirsts' panic grass | <i>Sanicula trifoliata</i> | large-fruited sanicle |
| <i>Panicum xanthophyllum</i> | slender panic grass | <i>Scheuchzeria palustris</i> | arrow-grass |
| <i>Penstemon laevigatus</i> | smooth beard tongue | <i>Schizachne purpurascens</i> | purple oats |
| <i>Phlox divaricata</i> | wild blue phlox | <i>Schoenoplectus torreyi</i> | Torrey's bulrush |
| <i>Phlox pilosa</i> | downy phlox | <i>Schwalbea americana</i> | chaffseed |
| <i>Phyla lanceolata</i> | fog fruit | <i>Scirpus longii</i> | Long's bulrush |
| <i>Picea rubens</i> | red spruce | <i>Scirpus maritimus</i> | salt marsh bulrush |
| <i>Pinus pungens</i> | table mountain pine | <i>Scirpus microcarpus</i> | barber pole bulrush |
| <i>Pinus resinosa</i> | red pine | <i>Scirpus pedicellatus</i> | stalked bulrush |
| <i>Plantago pusilla</i> | slender plantain | <i>Scleria verticillata</i> | whorled nut rush |
| <i>Platanthera flava</i> var. <i>flava</i> | southern rein orchid | <i>Scutellaria leonardii</i> | small skullcap |
| <i>Platanthera hookeri</i> | Hooker's orchid | <i>Silene nivea</i> | snowy campion |
| <i>Platanthera integra</i> | yellow fringeless orchid | <i>Sisyrinchium montanum</i> | strict blue-eyed grass |
| <i>Platanthera nivea</i> | snowy orchid | <i>Smilacina trifolia</i> | three-leaved Solomon's seal |
| <i>Platanthera orbiculata</i> | large round-leaved orchid | <i>Solidago rigida</i> | stiff goldenrod |
| <i>Platanthera peramoena</i> | purple fringeless orchid | <i>Sparganium angustifolium</i> | narrow-leaved bur-reed |
| <i>Pluchea foetida</i> | stinking fleabane | <i>Sparganium minimum</i> | small bur-reed |
| <i>Poa autumnalis</i> | autumn bluegrass | <i>Sphagnum angustifolium</i> | sphagnum |
| <i>Poa saltuensis</i> | bluegrass | <i>Sphagnum austinii</i> | sphagnum |
| <i>Polemonium reptans</i> | Greek valerian | <i>Sphagnum centrale</i> | sphagnum |
| <i>Polygala incarnata</i> | pink milkwort | <i>Sphagnum contortum</i> | sphagnum |
| <i>Polygala senega</i> | Seneca snakeroot | <i>Sphagnum macrophyllum</i> var. <i>floridanum</i> | sphagnum |
| <i>Polygonum densiflorum</i> | stout smartweed | <i>Sphagnum majus</i> ssp. <i>norvigi-cum</i> | sphagnum moss |
| <i>Polygonum glaucum</i> | sea-beach knotweed | <i>Sphagnum platyphyllum</i> | sphagnum |
| <i>Polymnia uvedalia</i> | bearsfoot | <i>Sphagnum quinquefarium</i> | sphagnum moss |
| <i>Potamogeton alpinus</i> | northern pondweed | <i>Sphagnum riparium</i> | sphagnum |
| <i>Potamogeton illinoensis</i> | Illinois pondweed | <i>Sphagnum strictum</i> | sphagnum |
| <i>Potamogeton obtusifolius</i> | obtusely-leaved pondweed | <i>Sphagnum subfulvum</i> | sphagnum moss |
| <i>Potamogeton praelongus</i> | white-stemmed pondweed | <i>Sphagnum subsecundum</i> | sphagnum |
| <i>Potamogeton robbinsii</i> | Robbins' pondweed | <i>Spiranthes laciniata</i> | lace-lip ladies'-tresses |
| <i>Potamogeton zosteriformis</i> | flat-stemmed pondweed | <i>Sporobolus neglectus</i> | puff-sheathed dropseed |
| <i>Potentilla palustris</i> | marsh cinquefoil | <i>Stachys palustris</i> var. <i>homo-tricha</i> | marsh hedge-nettle |
| <i>Potentilla tridentata</i> | three-toothed cinquefoil | <i>Stellaria borealis</i> | northern stichwort |
| <i>Prenanthes racemosa</i> | smooth rattlesnake root | <i>Stellaria pubera</i> | star chickweed |
| <i>Prunus alleghaniensis</i> | Allegheny plum | <i>Streptopus amplexifolius</i> | white twisted-stalk |
| <i>Prunus angustifolia</i> | Chickasaw plum | <i>Streptopus roseus</i> | rosy twisted-stalk |
| <i>Ptelea trifoliata</i> | wafer ash | <i>Stylisma pickeringii</i> var. <i>pickeringii</i> | Pickering's morning-glory |
| <i>Pycnanthemum clinopodioides</i> | basil mountain mint | <i>Suaeda rollandii</i> | sea blight |
| <i>Pycnanthemum torreyi</i> | Torrey's mountain mint | <i>Thuja occidentalis</i> | northern white cedar |
| <i>Pyrola chlorantha</i> | greenish-flowered winter-green | <i>Tiarella cordifolia</i> | foamflower |
| <i>Quercus imbricaria</i> | shingle oak | <i>Tofieldia racemosa</i> | false asphodel |
| <i>Quercus lyrata</i> | overcup oak | <i>Triadenum walteri</i> | Walter's St. John's-wort |
| <i>Quercus nigra</i> | water oak | <i>Trichomanes intricatum</i> | filmy fern |
| <i>Ranunculus allegheniensis</i> | Allegheny mountain crow-foot | <i>Tridens flavus</i> var. <i>chapmanii</i> | Chapman's redtop |
| <i>Ranunculus cymbalaria</i> | sea-side crowfoot | <i>Triglochin maritimum</i> | sea-side arrow-grass |
| <i>Ranunculus fascicularis</i> | early buttercup | <i>Triosteum angustifolium</i> | narrow-leaved tinker's-weed |
| <i>Ranunculus reptans</i> | creeping buttercup | <i>Triphora trianthophora</i> | three birds orchid |
| <i>Rhexia aristosa</i> | awned meadowbeauty | <i>Trollius laxus</i> ssp. <i>laxus</i> | spreading globe flower |
| <i>Rhexia interior</i> | showy meadowbeauty | <i>Utricularia biflora</i> | two-flowered bladderwort |
| <i>Rhododendron atlanticum</i> | dwarf azalea | <i>Utricularia minor</i> | lesser bladderwort |
| <i>Rhododendron canadense</i> | rhodora | <i>Utricularia olivacea</i> | dwarf white bladderwort |
| <i>Rhynchospora capillacea</i> | capillary beaked rush | <i>Utricularia resupinata</i> | reversed bladderwort |
| <i>Rhynchospora filifolia</i> | thread-leaved beaked rush | <i>Uvularia puberula</i> var. <i>nitida</i> | pine barren bellwort |
| <i>Rhynchospora globularis</i> | grass-like beaked rush | <i>Valerianella radiata</i> | beaked corn-salad |
| <i>Rhynchospora glomerata</i> | clustered beaked rush | <i>Valerianella umbilicata</i> | corn-salad |
| <i>Rhynchospora knieskernii</i> | Knieskern's beaked rush | <i>Verbena simplex</i> | narrow-leaved vervain |
| <i>Rhynchospora microcephala</i> | small-headed beaked rush | <i>Vernonia glauca</i> | broad-leaved ironweed |
| <i>Rhynchospora rariflora</i> | rare-flowering beaked rush | <i>Veronica catenata</i> | speedwell |
| <i>Ribes glandulosum</i> | skunk currant | <i>Viburnum alnifolium</i> | witch hobble |
| <i>Ribes missouriense</i> | Missouri gooseberry | <i>Vicia caroliniana</i> | Carolina wood vetch |
| <i>Rubus canadensis</i> | smooth blackberry | <i>Viola canadensis</i> | Canada violet |
| <i>Rudbeckia fulgida</i> | orange coneflower | <i>Viola septentrionalis</i> | northern blue violet |

| <u>1. Scientific Name</u> | <u>Common Name</u> |
|---------------------------|----------------------------|
| Vitis novae-angliae | New England grape |
| Vulpia elliothea | squirrel fescue |
| Wolffiella floridana | Florida bogmat |
| Xyris caroliniana | sand yellow-eyed grass |
| Xyris fimbriata | fringed yellow-eyed grass |
| Xyris montana | northern yellow-eyed grass |
| Zigadenus leimanthoides | oceanorus |

Amended by R.1990 d.292, effective June 4, 1990.

See: 22 N.J.R. 94(a), 22 N.J.R. 1743(a).
Added Endangered Plant Species List.
Amended by R.1991 d.446, effective August 19, 1991.
See: 23 N.J.R. 812(a), 23 N.J.R. 2507(b).
Added plant species to list.
Amended by R.1995 d.45, effective January 17, 1995.
See: 26 N.J.R. 3790(a), 27 N.J.R. 322(a).
Amended by R.2000 d.42, effective January 18, 2000.
See: 31 N.J.R. 3005(a), 32 N.J.R. 274(a).
Changed plant species list.