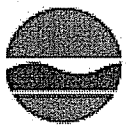




Appendix I



NEW YORK STATE
DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

Part 193: Trees and Plants - Page 2

(Statutory authority: Environmental Conservation Law, § 3-0301, 9-0105, 9-1503)

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193.3 Protected native plants

§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.

<i>Species</i>	<i>Common name</i>
<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 juneberry
<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
<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 hermaphrodita</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>radicaulis</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
<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 wiedgandii</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 flatsedge
<i>Cyperus flavescens</i> var. <i>flavescens</i>	yellow flatsedge
<i>Cyperus polystachyos</i> var. <i>texensis</i>	coast flatsedge
<i>Cyperus retrorsus</i>	retorse flatsedge
<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
<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 hieraciifolia</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 kamtschaticum</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
<i>Hypericum densiflorum</i>	bushy St. John's-wort
<i>Hypericum denticulatum</i>	coppery St. John's-wort
<i>Hypericum hyperoides</i> ssp. <i>multicaule</i>	St. Andrew's cross
<i>Ipomoea pandurata</i>	wild potato-vine
<i>Iris virginica</i> var. <i>schrevei</i>	Southern blueflag
<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 scothicum</i>	Scotch lovage
<i>Lilium michiganense</i>	Michigan lily
<i>Linum medium</i> var. <i>medium</i>	wild flax
<i>Liparis lilifolia</i>	large twayblade
<i>Lipocarpa 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 caroliniense</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>Lygodium 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
<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>muenscheri</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 bluets
<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 oligosanthos</i> var. <i>oligosanthos</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>circularae</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 ogdenii</i>	Ogden's pondweed
<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>Pyxidanthra 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>	roseroot
<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 pulverulenta</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 pensylvanica</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>	crane-fly 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>Triphora 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

(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, are those with 6 to fewer than 20 extant sites, or 1,000 to fewer than 3,000 individuals, or restricted to not less than 4 or more than 7 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 pilosis</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
<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 lapponica</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
<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 douglassii</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
<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 hyssopifolia</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 thomasii</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-sedge
<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
<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.

Species	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
<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:

Species	Common name
<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, *Onoclea sensibilis*), including:

Species	Common name
<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

<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:

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Species	Common name
<i>Calopogon tuberosus</i>	grass pink
<i>Coeloglossum viride</i>	long-bracted orchid
<i>Corallorhiza maculata</i>	spotted coralroot
<i>Corallorhiza odontorhiza</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
<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.