

ADDENDUM 2

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North Carolina Protected Plant Species and Plant SGCN Evaluation Methodology SGCN Plant List

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North Carolina Protected Plant Species Evaluation Methodology

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The North Carolina Plant Conservation Board (PCP Board) is tasked with listing endangered, threatened, and special concern species of plants under the authority of the North Carolina Plant Protection and Conservation Act of 1979. The PCP Board directs their appointed Scientific Committee to assess the rare native plants of North Carolina to determine which species warrant listing, and in what category. In 2007-2008, the North Carolina Plant Conservation Program (PCP) and North Carolina Natural Heritage Program (NHP) launched a comprehensive review of North Carolina's rare plants with the goal of identifying and assessing rarity, threats, and trends associated with all the vascular and non-vascular plant taxa tracked by the NHP. The results of this assessment were used by the PCP Scientific Committee during their 2008 review of the *North Carolina Protected Plant Species List* to determine which species warrant listing and to create a list that is scientifically defensible, consistent, and intuitive. Following the update to the evaluation methodology in 2008-2009, the Scientific Committee and PCP Board set an intention to update the *North Carolina Protected Plant Species List* every five years to account for new data records, changes in taxonomy, and increased knowledge of emerging trends and threats.

In 2008-2009, PCP staff held meetings with the Scientific Committee and botanists around the state to review criteria and assess rarity, threats, and trends for 900 plant taxa tracked by NHP. Botanists who contributed to these assessments were associated with NHP and PCP as well as US Fish and Wildlife Service, National Park Service, USDA Forest Service, NC Botanical Garden, NC Museum of Natural Sciences, University of North Carolina Herbarium (NCU), North Carolina State University Herbarium (NCSC), Appalachian State University Herbarium (BOON), and private botanists and consultants. A final proposed list was published in the state register for a 60-day public comment period to allow for additional public input. After addressing all comments, a significantly updated *North Carolina Protected Plant Species List* was published December 1, 2010.

Historically in North Carolina, protected plant lists have emphasized rarity as the primary factor determining extinction risk, while the current assessment methodology recognizes rarity as one of three factors (rarity, trends, and threats). The criteria for this assessment were modified from guidelines developed by NatureServe (Master et al. 2003) and the World Conservation Union (IUCN) (Standards and Petitions Working Group 2006). The data on rarity, threats, and trends are based on data from NHP as well as expertise from more than two dozen botanists and biologists who participated in the 2008-2009 review. NHP began collecting data in 1975 and has more than 12,911 records of rare plant occurrences (NC NHP 2021). In special cases, taxa specialists were contacted directly for their input into the evaluation process.

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Appendix R SGCN Plant List

APPENDIX A – PLANT CONSERVATION PROGRAM PROPOSED CHANGES TO LIST OF ENDANGERED, THREATENED, AND SPECIAL CONCERN SPECIES

The following list summarizes proposed changes to the PCP list of protected species approved by the PCP Board in January 2021. Species which also occur on the federal list of endangered and threatened species under the Endangered Species Act are marked with two asterisks (**). Comments about the proposed changes should be directed to PCP staff. For the most up to date list of protected plants, laws, regulations, and staff contact information, visit the Plant Conservation Program website, www.ncplant.com.

	<u>Species</u>	<u>Status</u>
(1)	Acmispon helleri Carolina Prairie-trefoil;	Threatened
(2)	Acrobolbus ciliatus A liverwort;	Special Concern, Vulnerable
(3)	Adiantum capillus-veneris Venus Hair Fern;	Threatened
(4)	Adlumia fungosa Climbing Fumitory;	Special Concern, Vulnerable
(5)	Aeschynomene virginica** Sensitive Jointvetch;	Threatened
(6)	Agalinis virgata Branched Gerardia;	Threatened
(7)	Agrostis mertensii Arctic Bentgrass;	Endangered
(8)	Aletris lutea Yellow Colic-root;	Threatened
(9)	Allium allegheniense Allegheny Onion;	Special Concern, Vulnerable
(10)	Allium keeverae Keever's Onion;	Special Concern, Vulnerable
(11)	Alnus crispa Green Alder;	Special Concern, Vulnerable
(12)	Amaranthus pumilus** Seabeach Amaranth;	Threatened
(13)	Amorpha confusa Savanna Indigo-bush;	Threatened
(14)	Amorpha georgiana Georgia Indigo-bush;	Endangered
(15)	Amphicarpum muehlenbergianum Florida Goober Grass, Blue Maidencane	Endangered
(16)	Anemone berlandieri Southern Anemone;	Endangered
(17)	Anemone caroliniana Prairie Anemone;	Endangered
(18)	Arabis adpressipilis Hairy Rockcress;	Endangered
(19)	Arethusa bulbosa Bog Rose;	Endangered
(20)	Aristida condensata Big Three-awn Grass;	Threatened
(21)	Aristida simpliciflora Chapman's Three-awn;	Endangered

(22)	<i>Arnoglossum ovatum</i> var. <i>lanceolatum</i> Savanna Indian-plantain;	Endangered
(23)	<i>Asclepias cinerea</i> Carolina Milkweed;	Special Concern, Historical
(24)	<i>Asclepias pedicellata</i> Savanna Milkweed;	Special Concern, Vulnerable
(25)	<i>Asplenium heteroresiliens</i> Carolina Spleenwort;	Endangered
(26)	<i>Asplenium monanthes</i> Single-sorus Spleenwort;	Endangered
(27)	<i>Asplenium ruta-muraria</i> var. <i>cryptolepis</i> Wall-rue;	Special Concern, Vulnerable
(28)	<i>Astragalus michauxii</i> Sandhills Milkvetch;	Special Concern, Vulnerable
(29)	<i>Baccharis glomeruliflora</i> Silverling;	Endangered
(30)	<i>Bacopa caroliniana</i> Blue Water-hyssop;	Threatened
(31)	<i>Bacopa innominata</i> Tropical Water-hyssop;	Special Concern, Historical
(32)	<i>Balduina atropurpurea</i> Purple-disk Honeycomb-head;	Endangered
(33)	<i>Baptisia aberrans</i> Eastern Prairie Blue Wild Indigo;	Endangered
(34)	<i>Baptisia alba</i> Thick-pod White Wild Indigo;	Threatened
(35)	<i>Baptisia bracteata</i> Creamy Wild Indigo;	Special Concern, Historical
(36)	<i>Berberis canadensis</i> American Barberry;	Special Concern, Vulnerable
(37)	<i>Betula cordifolia</i> Mountain Paper Birch;	Special Concern, Vulnerable
(38)	<i>Bouteloua curtipendula</i> var. <i>curtipendula</i> Sideoats Grama;	Threatened
(39)	<i>Bromus ciliatus</i> Fringed Brome;	Special Concern, Vulnerable
(40)	<i>Buchnera americana</i> American Bluehearts;	Endangered
(41)	<i>Buckleya distichophylla</i> Piratebush;	Threatened
(42)	<i>Bulbostylis warei</i> Ware's Hair Sedge;	Special Concern, Historical
(43)	<i>Calamagrostis cainii</i> Cain's Reedgrass;	Endangered
(44)	<i>Calamagrostis canadensis</i> var. <i>canadensis</i> Canada Reedgrass;	Special Concern, Vulnerable
(45)	<i>Calopogon multiflorus</i> Many-flowered Grass-pink;	Endangered
(46)	<i>Caltha palustris</i> var. <i>palustris</i> Marsh Marigold;	Endangered
(47)	<i>Camassia scilloides</i> Wild Hyacinth;	Threatened
(48)	<i>Campanula rotundifolia</i> Bluebells;	Endangered
(49)	<i>Campylium stellatum</i> Yellow Starry Fen Moss;	Special Concern, Vulnerable

(50)	<i>Cardamine dissecta</i> Dissected Toothwort;	Special Concern, Vulnerable
(51)	<i>Cardamine longii</i> Long's Bittercress;	Special Concern, Vulnerable
(52)	<i>Cardamine micranthera</i> ** Small-anthered Bittercress;	Endangered
(53)	<i>Carex arctata</i> Black Sedge;	Special Concern, Vulnerable
(54)	<i>Carex argyrantha</i> Hay Sedge;	Endangered
(55)	<i>Carex barrattii</i> Barratt's Sedge;	Special Concern, Historical
(56)	<i>Carex basiantha</i> Widow Sedge;	Endangered
(57)	<i>Carex buxbaumii</i> Brown Bog Sedge;	Special Concern, Vulnerable
(58)	<i>Carex calcifugens</i> Calcium-fleeing Sedge;	Special Concern, Vulnerable
(59)	<i>Carex careyana</i> Carey's Sedge;	Threatened
(60)	<i>Carex cherokeensis</i> Cherokee Sedge;	Threatened
(61)	<i>Carex conoidea</i> Cone-shaped Sedge, Field Sedge;	Threatened
(62)	<i>Carex cristatella</i> Crested Sedge;	Special Concern, Vulnerable
(63)	<i>Carex eburnea</i> Bristle-leaf Sedge;	Threatened
(64)	<i>Carex exilis</i> Coastal Sedge;	Endangered
(65)	<i>Carex hormathodes</i> Marsh Straw Sedge;	Threatened
(66)	<i>Carex impressinervia</i> Ravine Sedge;	Special Concern, Vulnerable
(67)	<i>Carex jamesii</i> James's Sedge;	Special Concern, Vulnerable
(68)	<i>Carex lasiocarpa</i> var. <i>americana</i> Slender Sedge;	Special Concern, Vulnerable
(69)	<i>Carex lutea</i> ** Golden Sedge;	Endangered
(70)	<i>Carex meadii</i> Mead's Sedge	Endangered
(71)	<i>Carex oligocarpa</i> Rich-woods Sedge;	Threatened
(72)	<i>Carex oligosperma</i> Few-seeded Sedge;	Endangered
(73)	<i>Carex pedunculata</i> var. <i>pedunculata</i> Longstalk Sedge;	Special Concern, Vulnerable
(74)	<i>Carex radfordii</i> Radford's Sedge;	Threatened
(75)	<i>Carex reniformis</i> Kidney Sedge;	Threatened
(76)	<i>Carex superata</i> Limestone Forest Sedge;	Threatened
(77)	<i>Carex tenax</i> Wire Sedge;	Endangered

(78)	<i>Carex trichocarpa</i> Hairy-fruited Sedge;	Special Concern, Vulnerable
(79)	<i>Carex trisperma</i> Three-seeded Sedge;	Endangered
(80)	<i>Carex utriculata</i> Beaked Sedge;	Endangered
(81)	<i>Carex vesicaria</i> Inflated Sedge;	Endangered
(82)	<i>Carex vestita</i> Velvet Sedge;	Threatened
(83)	<i>Carya laciniosa</i> Big Shellbark Hickory;	Threatened
(84)	<i>Carya myristiciformis</i> Nutmeg Hickory;	Endangered
(85)	<i>Caulophyllum giganteum</i> Northern Blue Cohosh;	Special Concern, Vulnerable
(86)	<i>Celastrus scandens</i> American Bittersweet;	Endangered
(87)	<i>Cetraria arenaria</i> Sand-loving Iceland Lichen;	Special Concern, Vulnerable
(88)	<i>Chamerion angustifolium</i> ssp. <i>circumvagum</i> Fireweed;	Endangered
(89)	<i>Chasmanthium nitidum</i> Shiny Spanglegrass;	Threatened
(90)	<i>Chelone cuthbertii</i> Cuthbert's Turtlehead;	Special Concern, Vulnerable
(91)	<i>Chenopodium simplex</i> Mapleleaf Goosefoot;	Threatened
(92)	<i>Chiloscyphus appalachianus</i> A liverwort;	Special Concern, Vulnerable
(93)	<i>Chiloscyphus muricatus</i> A liverwort;	Special Concern, Vulnerable
(94)	<i>Chrysoma pauciflosculosa</i> Woody Goldenrod;	Endangered
(95)	<i>Cirsium carolinianum</i> Carolina thistle;	Endangered
(96)	<i>Cirsium lecontei</i> LeConte's Thistle;	Special Concern, Vulnerable
(97)	<i>Clematis occidentalis</i> var. <i>occidentalis</i> Mountain Clematis;	Special Concern, Vulnerable
(98)	<i>Clinopodium georgianum</i> Georgia Calamint;	Endangered
(99)	<i>Collinsonia verticillata</i> Whorled Horsebalm;	Threatened
(100)	<i>Conioselinum chinense</i> Hemlock-parsley;	Threatened
(101)	<i>Coptis trifolia</i> Goldthread;	Threatened
(102)	<i>Coreopsis aristulata</i> Short-awned Coreopsis;	Threatened
(103)	<i>Corydalis micrantha</i> Slender Corydalis;	Threatened
(104)	<i>Coryphopteris simulata</i> Bog Fern;	Endangered
(105)	<i>Crataegus pallens</i> Pale Hawthorn;	Threatened

(106)	<i>Crinum americanum</i> var. <i>americanum</i> Swamp-lily;	Special Concern, Historical
(107)	<i>Crocianthemum bicknellii</i> Plains Sunrose;	Special Concern, Vulnerable
(108)	<i>Crocianthemum carolinianum</i> Carolina Sunrose;	Endangered
(109)	<i>Crocianthemum corymbosum</i> Pinebarren Sunrose;	Threatened
(110)	<i>Crocianthemum georgianum</i> Georgia Sunrose;	Endangered
(111)	<i>Crocianthemum nashii</i> Florida Scrub Sunrose, Florida Scrub Frostweed;	Endangered
(112)	<i>Crocianthemum propinquum</i> Creeping Sunrose;	Threatened
(113)	<i>Crocianthemum rosmarinifolium</i> Rosemary Sunrose;	Threatened
(114)	<i>Croton monanthogynus</i> Prairie-tea Croton;	Endangered
(115)	<i>Cyperus dentatus</i> Toothed Flatsedge;	Special Concern, Historical
(116)	<i>Cyperus granitophilus</i> Granite Flatsedge;	Threatened
(117)	<i>Cyperus lecontei</i> LeConte's Flatsedge;	Threatened
(118)	<i>Cyperus subsquarrosus</i> Small-flowered Halfchaff;	Special Concern, Historical
(119)	<i>Cyperus tetragonus</i> Four-angled Flatsedge;	Special Concern, Vulnerable
(120)	<i>Cyperus virens</i> Green Flatsedge;	Special Concern, Vulnerable
(121)	<i>Cystopteris tennesseensis</i> Tennessee Bladder-fern;	Endangered
(122)	<i>Dactylorhiza viridis</i> Long-bracted Frog Orchid;	Threatened
(123)	<i>Dalibarda repens</i> Robin-Run-Away;	Endangered
(124)	<i>Delphinium exaltatum</i> Tall Larkspur;	Threatened
(125)	<i>Deschampsia cespitosa</i> ssp. <i>glauca</i> Tufted Hairgrass;	Threatened
(126)	<i>Desmodium ochroleucum</i> Creamy Tick-trefoil;	Special Concern, Historical
(127)	<i>Desmodium sessilifolium</i> Sessile Tick-trefoil;	Special Concern, Historical
(128)	<i>Diarrhena americana</i> Eastern Beakgrass;	Threatened
(129)	<i>Dichanthelium annulum</i> Ringed Witchgrass;	Endangered
(130)	<i>Dichanthelium caeruleum</i> Blue Witchgrass;	Threatened
(131)	<i>Dichanthelium hirstii</i> Hirst Brothers' Witchgrass;	Endangered
(132)	<i>Dichanthelium spretum</i> Eaton's Witchgrass;	Endangered
(133)	<i>Dichanthelium strigosum</i> var. <i>glabrescens</i> Hairless Witchgrass;	Threatened

(134)	<i>Diervilla rivularis</i> Riverbank Bush-honeysuckle;	Threatened
(135)	<i>Dionaea muscipula</i> Venus Flytrap;	Threatened
(136)	<i>Diplachne maritima</i> Salt-meadow Grass;	Endangered
(137)	<i>Drosera filiformis</i> var. <i>filiformis</i> Threadleaf Sundew;	Special Concern, Vulnerable
(138)	<i>Echinacea laevigata</i> ** Smooth Coneflower;	Endangered
(139)	<i>Eleocharis cellulosa</i> Gulfcoast Spikerush;	Threatened
(140)	<i>Eleocharis elongata</i> Florida Spikerush;	Endangered
(141)	<i>Eleocharis parvula</i> Dwarf Spikerush;	Threatened
(142)	<i>Eleocharis robbinsii</i> Robbins' Spikerush;	Special Concern, Vulnerable
(143)	<i>Eleocharis vivipara</i> Viviparous Spikerush;	Threatened
(144)	<i>Elymus trachycaulus</i> ssp. <i>trachycaulus</i> Slender Wheatgrass;	Threatened
(145)	<i>Enemion biternatum</i> Isopyrum, False Rue-anemone;	Special Concern, Vulnerable
(146)	<i>Epidendrum conopseum</i> Green-fly Orchid;	Threatened
(147)	<i>Erigenia bulbosa</i> Harbinger-of-spring;	Threatened
(148)	<i>Eriocaulon aquaticum</i> Seven-angled Pipewort;	Special Concern, Vulnerable
(149)	<i>Eriocaulon parkeri</i> Estuary Pipewort;	Threatened
(150)	<i>Eriocaulon texense</i> Texas Hatpins;	Endangered
(151)	<i>Eriogonum tomentosum</i> Southern Wild-buckwheat;	Special Concern, Historical
(152)	<i>Erythrina herbacea</i> Coralbean;	Endangered
(153)	<i>Eupatorium leptophyllum</i> Limesink Dog-fennel;	Endangered
(154)	<i>Eupatorium paludicola</i> Bay Boneset;	Endangered
(155)	<i>Euphorbia commutata</i> Cliff Spurge;	Threatened
(156)	<i>Euphorbia cordifolia</i> Heartleaf Sandmat;	Threatened
(157)	<i>Euphorbia mercurialina</i> Cumberland Spurge;	Special Concern, Vulnerable
(158)	<i>Filipendula rubra</i> Queen-of-the-Prairie;	Endangered
(159)	<i>Fimbristylis perpusilla</i> Harper's Fimbry;	Threatened
(160)	<i>Gaillardia aestivalis</i> var. <i>aestivalis</i> Sandhills Blanket-flower;	Endangered
(161)	<i>Galactia mollis</i> Soft Milk-pea;	Threatened

(162)	<i>Gaylussacia brachycera</i> Box Huckleberry;	Endangered
(163)	<i>Gaylussacia nana</i> Confederate Huckleberry, Dwarf Dangleberry;	Endangered
(164)	<i>Gaylussacia orocola</i> Appalachian Dwarf Huckleberry;	Endangered
(165)	<i>Gelsemium rankinii</i> Swamp Jessamine;	Special Concern, Vulnerable
(166)	<i>Gentiana alba</i> Pale Gentian;	Special Concern, Historical
(167)	<i>Gentiana latidens</i> Balsam Mountain Gentian;	Threatened
(168)	<i>Gentianopsis crinita</i> Eastern Fringed Gentian;	Endangered
(169)	<i>Geum aleppicum</i> Yellow Avens;	Endangered
(170)	<i>Geum geniculatum</i> Bent Avens;	Special Concern, Vulnerable
(171)	<i>Geum laciniatum</i> Rough Avens;	Endangered
(172)	<i>Geum radiatum**</i> Spreading Avens;	Endangered
(173)	<i>Gillenia stipulata</i> Indian Physic;	Threatened
(174)	<i>Glyceria laxa</i> Lax Mannagrass;	Special Concern, Vulnerable
(175)	<i>Gratiola lutea</i> Golden Hedge-hyssop;	Special Concern, Vulnerable
(176)	<i>Gymnocarpium appalachianum</i> Appalachian Oak Fern;	Threatened
(177)	<i>Gymnoderma lineare**</i> Rock Gnome Lichen;	Endangered
(178)	<i>Harperella nodosa</i> [<i>Ptilimnium nodosum</i>]** Herperella;	Endangered
(179)	<i>Helanthium tenellum</i> Dwarf Burhead;	Endangered
(180)	<i>Helenium brevifolium</i> Littleleaf Sneezeweed;	Endangered
(181)	<i>Helenium vernale</i> Spring Sneezeweed;	Endangered
(182)	<i>Helianthus floridanus</i> Florida Sunflower;	Threatened
(183)	<i>Helianthus laevigatus</i> Smooth Sunflower;	Special Concern, Vulnerable
(184)	<i>Helianthus occidentalis</i> ssp. <i>occidentalis</i> Naked-stem Sunflower;	Special Concern, Historical
(185)	<i>Helianthus schweinitzii**</i> Schweinitz's Sunflower;	Endangered
(186)	<i>Helonias bullata**</i> Swamp Pink;	Threatened
(187)	<i>Hexastylis contracta</i> Mountain Heartleaf;	Endangered
(188)	<i>Hexastylis naniflora**</i> Dwarf-flowered Heartleaf;	Threatened
(189)	<i>Hibiscus aculeatus</i> Comfortroot;	Threatened

(190)	<i>Hottonia inflata</i> Featherfoil;	Special Concern, Vulnerable
(191)	<i>Houstonia montana</i> ** Roan Mountain Bluet;	Endangered
(192)	<i>Hudsonia montana</i> ** Mountain Golden-heather;	Threatened
(193)	<i>Hudsonia tomentosa</i> Sand Heather;	Threatened
(194)	<i>Hydrastis canadensis</i> Goldenseal;	Special Concern, Vulnerable
(195)	<i>Hymenocallis occidentalis</i> var. <i>occidentalis</i> Hillside Spider-lily;	Special Concern, Historical
(196)	<i>Hymenocallis pygmaea</i> Waccamaw River Spiderlily;	Special Concern, Vulnerable
(197)	<i>Hypericum adpressum</i> Bog St. John's-wort;	Special Concern, Historical
(198)	<i>Hypericum brachyphyllum</i> Coastal Plain St. John's-wort;	Special Concern, Vulnerable
(199)	<i>Hypericum fasciculatum</i> Peelbark St. John's-wort;	Endangered
(200)	<i>Hypericum radfordiorum</i> Radford's St. John's-wort;	Special Concern, Vulnerable
(201)	<i>Hypericum suffruticosum</i> Pineland St. John's-wort;	Special Concern, Historical
(202)	<i>Hypotrachyna virginica</i> Virginia Loop Lichen;	Special Concern, Vulnerable
(203)	<i>Ilex collina</i> Long-stalked Holly;	Special Concern, Vulnerable
(204)	<i>Ipomoea imperati</i> Beach Morning-glory;	Special Concern, Vulnerable
(205)	<i>Ipomoea macrorhiza</i> Manroot;	Special Concern, Historical
(206)	<i>Isoetes microvela</i> Thin-wall Quillwort;	Threatened
(207)	<i>Isoetes piedmontana</i> Piedmont Quillwort;	Threatened
(208)	<i>Isotria medeoloides</i> ** Small Whorled Pogonia;	Threatened
(209)	<i>Iva microcephala</i> Small-headed Marsh Elder;	Threatened
(210)	<i>Jeffersonia diphylla</i> Twinleaf;	Threatened
(211)	<i>Juncus articulatus</i> Jointleafed Rush;	Special Concern, Historical
(212)	<i>Juncus caesariensis</i> New Jersey Rush;	Endangered
(213)	<i>Juniperus communis</i> var. <i>depressa</i> Dwarf Juniper;	Threatened
(214)	<i>Kalmia angustifolia</i> Sheep-laurel;	Threatened
(215)	<i>Koeleria spicata</i> Spike Trisetum;	Special Concern, Historical
(216)	<i>Lachnocaulon minus</i> Brown Bogbutton;	Threatened
(217)	<i>Lechea maritima</i> var. <i>virginica</i> Maritime Pinweed;	Threatened

(218)	<i>Lechea torreyi</i> var. <i>congesta</i> Torrey's Pinweed;	Endangered
(219)	<i>Lejeunea blomquistii</i> A liverwort;	Special Concern, Vulnerable
(220)	<i>Liatris aspera</i> Rough Blazing-star;	Special Concern, Vulnerable
(221)	<i>Liatris helleri</i> ** Heller's Blazing-star;	Threatened
(222)	<i>Liatris microcephala</i> Small-head Blazing-star;	Special Concern, Vulnerable
(223)	<i>Lilium canadense</i> Canada Lily;	Endangered
(224)	<i>Lilium grayi</i> Gray's Lily;	Threatened
(225)	<i>Lilium philadelphicum</i> var. <i>philadelphicum</i> Wood Lily;	Endangered
(226)	<i>Lilium pyrophilum</i> Sandhills Lily;	Endangered
(227)	<i>Limosella australis</i> Awl-leaf Mudwort;	Threatened
(228)	<i>Lindera melissifolia</i> ** Pondberry;	Endangered
(229)	<i>Lindera subcoriacea</i> Bog Spicebush;	Special Concern, Vulnerable
(230)	<i>Linum floridanum</i> var. <i>chrysocarpum</i> Yellow-fruited Flax;	Threatened
(231)	<i>Linum sulcatum</i> Glade Flax;	Special Concern, Historical
(232)	<i>Liparis loeselii</i> Fen Orchid;	Endangered
(233)	<i>Lithospermum canescens</i> Hoary Puccoon;	Threatened
(234)	<i>Litsea aestivalis</i> Pondspice;	Special Concern, Vulnerable
(235)	<i>Lobelia boykinii</i> Boykin's Lobelia;	Endangered
(236)	<i>Lophiola aurea</i> Golden-crest;	Endangered
(237)	<i>Ludwigia lanceolata</i> Lanceleaf Seedbox;	Endangered
(238)	<i>Ludwigia linifolia</i> Flaxleaf Seedbox;	Threatened
(239)	<i>Ludwigia ravenii</i> Raven's Seedbox;	Endangered
(240)	<i>Ludwigia sphaerocarpa</i> Globe-fruit Seedbox;	Endangered
(241)	<i>Ludwigia suffruticosa</i> Shrubby Seedbox;	Threatened
(242)	<i>Lupinus villosus</i> Pink Sandhill Lupine;	Endangered
(243)	<i>Lycopodiella inundata</i> Northern Bog Clubmoss;	Endangered
(244)	<i>Lysimachia asperulifolia</i> ** Rough-leaf Loosestrife;	Endangered
(245)	<i>Lysimachia borealis</i> Northern Starflower;	Threatened

(246)	<i>Lysimachia fraseri</i> Fraser's Loosestrife;	Endangered
(247)	<i>Macbridea caroliniana</i> Carolina Birds-in-a-Nest, Carolina Bogmint;	Endangered
(248)	<i>Magnolia macrophylla</i> Bigleaf Magnolia;	Special Concern, Vulnerable
(249)	<i>Malaxis spicata</i> Florida Adder's-mouth;	Special Concern, Vulnerable
(250)	<i>Marshallia grandiflora</i> Large-flowered Barbara's-buttons;	Special Concern, Historical
(251)	<i>Marshallia legrandii</i> Oak Barrens Barbara's-buttons;	Endangered
(252)	<i>Marshallia trinervia</i> Broadleaf Barbara's-buttons;	Special Concern, Historical
(253)	<i>Melanthium woodii</i> Ozark Buchflower;	Threatened
(254)	<i>Melica nitens</i> Three-flowered Melic;	Endangered
(255)	<i>Menyanthes trifoliata</i> Buckbean;	Threatened
(256)	<i>Micranthes pennsylvanica</i> Swamp Saxifrage;	Endangered
(257)	<i>Mnesithea cylindrica</i> Carolina Jointgrass;	Special Concern, Historical
(258)	<i>Mononeuria groenlandica</i> Greenland Sandwort;	Threatened
(259)	<i>Mononeuria paludicola</i> Godfrey's Sandwort;	Endangered
(260)	<i>Mononeuria uniflora</i> Single-flowered Sandwort;	Endangered
(261)	<i>Moranopteris nimbata</i> West Indian Dwarf Polypody;	Threatened
(262)	<i>Muhlenbergia glomerata</i> Spiked Muhly;	Special Concern, Vulnerable
(263)	<i>Muhlenbergia sobolifera</i> Rock Muhly;	Threatened
(264)	<i>Muhlenbergia torreyana</i> Pinebarren Smokegrass;	Special Concern, Vulnerable
(265)	<i>Myrica gale</i> Sweet Gale;	Endangered
(266)	<i>Myriophyllum laxum</i> Loose Water-milfoil;	Endangered
(267)	<i>Myriophyllum tenellum</i> Leafless Water-milfoil;	Endangered
(268)	<i>Nabalus albus</i> White Rattlesnakeroot;	Special Concern, Vulnerable
(269)	<i>Narthecium montanum</i> Appalachian Yellow Asphodel;	Special Concern, Historical
(270)	<i>Oenothera perennis</i> Perennial Sundrops;	Special Concern, Vulnerable
(271)	<i>Oldenlandia boscii</i> Bosc's Bluet;	Threatened
(272)	<i>Oligoneuron album</i> White Prairie-goldenrod;	Endangered
(273)	<i>Oligoneuron jacksonii</i> Southeastern Bold Goldenrod;	Special Concern, Vulnerable

(274)	<i>Oligoneuron rigidum</i> Midwestern Bold Goldenrod;	Threatened
(275)	<i>Orbexilum macrophyllum</i> Bigleaf Scurfpea;	Special Concern, Historical
(276)	<i>Orbexilum onobrychis</i> Lanceleaf Scurfpea;	Special Concern, Historical
(277)	<i>Orbexilum pedunculatum</i> Western Sampson's Snakeroot;	Endangered
(278)	<i>Oreojuncus trifidus</i> Highland Rush;	Threatened
(279)	<i>Orthochilus ecristatus</i> Spiked Medusa;	Endangered
(280)	<i>Pachysandra procumbens</i> Allegheny Spurge;	Endangered
(281)	<i>Packera crawfordii</i> Crawford's Ragwort;	Endangered
(282)	<i>Packera millefolium</i> Blue Ridge Ragwort;	Special Concern, Vulnerable
(283)	<i>Packera paupercula</i> var. <i>appalachiana</i> Appalachian Ragwort;	Threatened
(284)	<i>Packera paupercula</i> var. <i>paupercula</i> Balsam Ragwort;	Special Concern, Vulnerable
(285)	<i>Packera schweinitziana</i> New England Ragwort;	Threatened
(286)	<i>Packera serpenticola</i> Buck Creek Ragwort;	Threatened
(287)	<i>Palustricodon aparinoides</i> var. <i>aparinoides</i> Marsh Bellflower;	Threatened
(288)	<i>Panicum flexile</i> Wiry Panic Grass;	Threatened
(289)	<i>Parnassia caroliniana</i> Carolina Grass-of-parnassus;	Threatened
(290)	<i>Parnassia grandifolia</i> Bigleaf Grass-of-parnassus;	Threatened
(291)	<i>Paronychia herniarioides</i> Michaux's Whitlow-wort;	Endangered
(292)	<i>Paspalum dissectum</i> Mudbank Crown Grass;	Endangered
(293)	<i>Pedicularis lanceolata</i> Swamp Lousewort;	Threatened
(294)	<i>Pellaea wrightiana</i> Wright's Cliff-brake;	Endangered
(295)	<i>Persicaria hirsuta</i> Hairy Smartweed;	Endangered
(296)	<i>Phacelia maculata</i> Flatrock Phacelia;	Endangered
(297)	<i>Phegopteris connectilis</i> Northern Beech Fern;	Endangered
(298)	<i>Phemeranthus piedmontanus</i> Piedmont Rock-pink;	Endangered
(299)	<i>Pinguicula lutea</i> Yellow Butterwort;	Special Concern, Vulnerable
(300)	<i>Pinguicula pumila</i> Small Butterwort;	Threatened
(301)	<i>Pityopsis graminifolia</i> A Silkgrass;	Endangered

(302)	<i>Plantago cordata</i> Heart-leaf Plantain;	Endangered
(303)	<i>Plantago sparsiflora</i> Pineland Plantain;	Threatened
(304)	<i>Platanthera herbiola</i> Tubercled Rein Orchid;	Special Concern, Vulnerable
(305)	<i>Platanthera integra</i> Yellow Fringeless Orchid;	Threatened
(306)	<i>Platanthera integrilabia**</i> White Fringeless Orchid;	Threatened
(307)	<i>Platanthera nivea</i> Snowy Orchid;	Endangered
(308)	<i>Platanthera peramoena</i> Purple Fringeless Orchid;	Threatened
(309)	<i>Platanthera shriveri</i> Shriver's Purple Fringed Orchid;	Endangered
(310)	<i>Poa saltuensis</i> Old-pasture Bluegrass;	Threatened
(311)	<i>Polemonium reptans</i> var. <i>reptans</i> Spreading Jacob's Ladder;	Threatened
(312)	<i>Polygala hookeri</i> Hooker's Milkwort;	Special Concern, Vulnerable
(313)	<i>Polygala senega</i> Seneca Snakeroot;	Special Concern, Vulnerable
(314)	<i>Polygonella articulata</i> Northern Wireweed, Coast Jointweed;	Special Concern, Historical
(315)	<i>Polygonum glaucum</i> Seabeach Knotweed;	Endangered
(316)	<i>Ponthieva racemosa</i> Shadow-witch;	Threatened
(317)	<i>Portulaca smallii</i> Small's Portulaca;	Threatened
(318)	<i>Potamogeton illinoensis</i> Illinois Pondweed;	Endangered
(319)	<i>Primula meadia</i> Eastern Shooting-star;	Special Concern, Vulnerable
(320)	<i>Pseudognaphalium helleri</i> Heller's Rabbit-tobacco;	Endangered
(321)	<i>Ptilimnium costatum</i> Big Bishop-weed;	Threatened
(322)	<i>Pyrola elliptica</i> Elliptic Shinleaf;	Threatened
(323)	<i>Pyxidantha barbulata</i> var. <i>brevifolia</i> Sandhills Pyxie-moss;	Threatened
(324)	<i>Quercus elliotii</i> Running Oak;	Endangered
(325)	<i>Quercus ilicifolia</i> Bear Oak;	Endangered
(326)	<i>Quercus minima</i> Dwarf Live Oak;	Endangered
(327)	<i>Quercus prinoides</i> Dwarf Chinquapin Oak;	Endangered
(328)	<i>Ranunculus ambigens</i> Water-plantain Spearwort;	Special Concern, Historical
(329)	<i>Ranunculus hederaceus</i> Ivy-leaved Water Crowfoot;	Threatened

(330)	<i>Rhexia aristosa</i> Awned Meadow-beauty;	Special Concern, Vulnerable
(331)	<i>Rhodiola rosea</i> Roseroot;	Endangered
(332)	<i>Rhododendron prinophyllum</i> Election Pink;	Threatened
(333)	<i>Rhus michauxii**</i> Michaux's Sumac;	Endangered
(334)	<i>Rhynchospora crinipes</i> Alabama Beaksedge;	Threatened
(335)	<i>Rhynchospora decurrens</i> Swamp Forest Beaksedge;	Threatened
(336)	<i>Rhynchospora harperi</i> Harper's Beaksedge;	Special Concern, Vulnerable
(337)	<i>Rhynchospora macra</i> Southern White Beaksedge;	Threatened
(338)	<i>Rhynchospora microcarpa</i> Southern Beaksedge;	Threatened
(339)	<i>Rhynchospora odorata</i> Fragrant Beaksedge;	Special Concern, Vulnerable
(340)	<i>Rhynchospora pleiantha</i> Coastal Beaksedge;	Threatened
(341)	<i>Rhynchospora thornei</i> Thorne's Beaksedge;	Special Concern, Vulnerable
(342)	<i>Rhynchospora tracyi</i> Tracy's Beaksedge;	Threatened
(343)	<i>Rubus strigosus</i> American Red Raspberry;	Threatened
(344)	<i>Rudbeckia heliopsidis</i> Sun-facing Coneflower;	Endangered
(345)	<i>Ruellia ciliosa</i> Sandhills Wild-petunia;	Threatened
(346)	<i>Ruellia humilis</i> Low Wild-petunia;	Threatened
(347)	<i>Ruellia purshiana</i> Pursh's Wild-petunia;	Special Concern, Vulnerable
(348)	<i>Ruellia strepens</i> Limestone Wild-petunia;	Endangered
(349)	<i>Sabal palmetto</i> Cabbage Palmetto;	Threatened
(350)	<i>Sabatia kennedyana</i> Plymouth Gentian;	Threatened
(351)	<i>Sageretia minutiflora</i> Small-flowered Buckthorn;	Threatened
(352)	<i>Sagittaria chapmanii</i> Chapman's Arrowhead;	Threatened
(353)	<i>Sagittaria fasciculata**</i> Bunched Arrowhead;	Endangered
(354)	<i>Sagittaria isoetiformis</i> Quillwort Arrowhead;	Threatened
(355)	<i>Sagittaria macrocarpa</i> Streamhead Arrowhead;	Threatened
(356)	<i>Sagittaria weatherbiana</i> Grassleaf Arrowhead;	Endangered
(357)	<i>Sarracenia jonesii**</i> Mountain Sweet Pitcher Plant;	Endangered

(358)	<i>Sarracenia minor</i> var. <i>minor</i> Hooded Pitcher Plant;	Endangered
(359)	<i>Sarracenia oreophila</i> ** Green Pitcher Plant;	Endangered
(360)	<i>Sarracenia purpurea</i> var. <i>montana</i> Southern Appalachian Purple Pitcher Plant;	Endangered
(361)	<i>Sceptridium jenmanii</i> Alabama Grape-fern;	Special Concern, Vulnerable
(362)	<i>Schisandra glabra</i> Magnolia Vine;	Threatened
(363)	<i>Schwalbea americana</i> ** Chaffseed;	Endangered
(364)	<i>Scirpus flaccidifolius</i> Reclining Bulrush;	Endangered
(365)	<i>Scirpus lineatus</i> Drooping Bulrush;	Threatened
(366)	<i>Scleria baldwinii</i> Baldwin's Nutrush;	Threatened
(367)	<i>Scleria bellii</i> Smooth-seeded Hairy Nutrush;	Endangered
(368)	<i>Scleria reticularis</i> Netted Nutrush;	Special Concern, Vulnerable
(369)	<i>Sclerolepis uniflora</i> Sclerolepis;	Threatened
(370)	<i>Scutellaria australis</i> Southern Skullcap;	Endangered
(371)	<i>Scutellaria galericulata</i> Hooded Skullcap;	Special Concern, Historical
(372)	<i>Scutellaria leonardii</i> Shale-barren Skullcap;	Endangered
(373)	<i>Scutellaria nervosa</i> Veined Skullcap;	Endangered
(374)	<i>Sedum pusillum</i> Puck's Orpine;	Endangered
(375)	<i>Senecio suaveolens</i> Sweet Indian-plantain;	Endangered
(376)	<i>Sesuvium maritimum</i> Slender Sea-purslane;	Endangered
(377)	<i>Sesuvium portulacastrum</i> Shoreline Sea-purslane;	Endangered
(378)	<i>Seymeria pectinata</i> ssp. <i>pectinata</i> Comb Seymeria;	Special Concern, Historical
(379)	<i>Shortia brevistyla</i> Northern Oconee Bells;	Threatened
(380)	<i>Shortia galacifolia</i> Southern Oconee Bells;	Special Concern, Vulnerable
(381)	<i>Sideroxylon tenax</i> Tough Bumelia;	Threatened
(382)	<i>Silene ovata</i> Mountain Catchfly;	Special Concern, Vulnerable
(383)	<i>Silphium connatum</i> Virginia Cup-plant;	Special Concern, Vulnerable
(384)	<i>Silphium perfoliatum</i> Common Cup-plant;	Special Concern, Vulnerable
(385)	<i>Sisyrinchium dichotomum</i> ** White Irisette;	Endangered

(386)	<i>Solidago leavenworthii</i> Leavenworth's Goldenrod;	Endangered
(387)	<i>Solidago plumosa</i> Yadkin River Goldenrod;	Threatened
(388)	<i>Solidago radula</i> Western Rough Goldenrod;	Endangered
(389)	<i>Solidago spithamea</i> ** Blue Ridge Goldenrod;	Threatened
(390)	<i>Solidago tortifolia</i> Twisted-leaf Goldenrod;	Endangered
(391)	<i>Solidago verna</i> Spring-flowering Goldenrod;	Threatened
(392)	<i>Solidago villosicarpa</i> Carolina Maritime Goldenrod;	Threatened
(393)	<i>Sparganium acaule</i> Greenfruit Bur-reed;	Endangered
(394)	<i>Spartina pectinata</i> Freshwater Cordgrass;	Threatened
(395)	<i>Sphagnum contortum</i> Contorted Peatmoss;	Threatened
(396)	<i>Sphagnum warnstorffii</i> Fen Peatmoss;	Special Concern, Vulnerable
(397)	<i>Spigelia marilandica</i> Pink-root;	Threatened
(398)	<i>Spiraea corymbosa</i> Shinyleaf Meadowsweet;	Endangered
(499)	<i>Spiraea virginiana</i> ** Virginia Spiraea;	Threatened
(400)	<i>Spiranthes lacera</i> var. <i>lacera</i> Northern Slender Ladies'-tresses;	Endangered
(401)	<i>Spiranthes laciniata</i> Lace-lip Ladies'-tresses;	Special Concern, Vulnerable
(402)	<i>Spiranthes longilabris</i> Giant Spiral Orchid;	Endangered
(403)	<i>Spiranthes lucida</i> Shining Ladies'-tresses;	Endangered
(404)	<i>Spiranthes ochroleuca</i> Yellow Nodding Ladies'-tresses;	Threatened
(405)	<i>Sporobolus heterolepis</i> Prairie Dropseed;	Threatened
(406)	<i>Sporobolus teretifolius</i> Wireleaf Dropseed;	Endangered
(407)	<i>Sporobolus virginicus</i> Seashore Dropseed;	Threatened
(408)	<i>Stachys appalachiana</i> Appalachian Hedge-nettle;	Endangered
(409)	<i>Stachys eplingii</i> Epling's Hedge-nettle;	Endangered
(410)	<i>Stachys matthewsii</i> Yadkin Hedge-nettle;	Endangered
(411)	<i>Stenanthium gramineum</i> Featherbells;	Endangered
(412)	<i>Stenanthium leimanthoides</i> Pinebarrens Death-camas;	Threatened
(413)	<i>Stylisma aquatica</i> Water Dawnflower;	Endangered

(414)	<i>Stylisma pickeringii</i> var. <i>pickeringii</i> Pickering's Dawnflower;	Special Concern, Vulnerable
(415)	<i>Swida asperifolia</i> Eastern Roughleaf Dogwood;	Endangered
(416)	<i>Swida racemosa</i> Gray Dogwood;	Special Concern, Vulnerable
(417)	<i>Symphyotrichum concinnum</i> Narrow-leaved Smooth Aster;	Endangered
(418)	<i>Symphyotrichum depauperatum</i> Serpentine Aster;	Endangered
(419)	<i>Symphyotrichum georgianum</i> Georgia Aster;	Threatened
(420)	<i>Symphyotrichum oblongifolium</i> Eastern Aromatic Aster;	Threatened
(421)	<i>Symphyotrichum rhiannon</i> Buck Creek Aster;	Threatened
(422)	<i>Synandra hispidula</i> Synandra;	Threatened
(423)	<i>Taxus canadensis</i> Canada Yew;	Threatened
(424)	<i>Thalictrum cooleyi</i> ** Cooley's Meadowrue;	Endangered
(425)	<i>Thalictrum macrostylum</i> Small-leaved Meadowrue;	Special Concern, Vulnerable
(426)	<i>Thaspium pinnatifidum</i> Mountain Thaspium;	Endangered
(427)	<i>Thermopsis fraxinifolia</i> Ash-leaved Golden-banner;	Special Concern, Vulnerable
(428)	<i>Tiedmannia [Oxypolis] canbyi</i> ** Canby's Dropwort;	Endangered
(429)	<i>Triantha glutinosa</i> Sticky Bog Asphodel;	Special Concern, Vulnerable
(430)	<i>Trichostema brachiatum</i> Glade Bluecurls;	Endangered
(431)	<i>Trichostema nesophilum</i> Dune Bluecurls;	Special Concern, Vulnerable
(432)	<i>Tridens ambiguus</i> Pineland Triodia;	Endangered
(433)	<i>Tridens chapmanii</i> Chapman's Triodia;	Special Concern, Vulnerable
(434)	<i>Tridens strictus</i> Spike Triodia;	Special Concern, Historical
(435)	<i>Trifolium carolinianum</i> Carolina Clover;	Special Concern, Historical
(436)	<i>Trifolium reflexum</i> Buffalo Clover;	Threatened
(437)	<i>Trillium discolor</i> Pale Yellow Trillium;	Threatened
(438)	<i>Trillium flexipes</i> Bent White Trillium;	Threatened
(439)	<i>Trillium pusillum</i> var. <i>ozarkanum</i> Alabama Least Trillium;	Endangered
(440)	<i>Trillium pusillum</i> var. <i>pusillum</i> Carolina Least Trillium;	Endangered
(441)	<i>Trillium pusillum</i> var. <i>virginianum</i> Virginia Least Trillium;	Endangered

(442)	<i>Trillium recurvatum</i> Prairie Trillium;	Threatened
(443)	<i>Trillium sessile</i> Sessile-flowered Trillium;	Threatened
(444)	<i>Trillium simile</i> Sweet White Trillium;	Special Concern, Vulnerable
(445)	<i>Turritis glabra</i> Tower Mustard;	Endangered
(446)	<i>Urtica chamaedryoides</i> Dwarf Stinging Nettle;	Threatened
(447)	<i>Utricularia cornuta</i> Horned Bladderwort;	Threatened
(448)	<i>Utricularia geminiscapa</i> Two-flowered Bladderwort;	Special Concern, Vulnerable
(449)	<i>Utricularia minor</i> Small Bladderwort;	Special Concern, Historical
(450)	<i>Utricularia olivacea</i> Dwarf Bladderwort;	Threatened
(451)	<i>Utricularia resupinata</i> Northeastern Bladderwort;	Endangered
(452)	<i>Vaccinium macrocarpon</i> Cranberry;	Threatened
(453)	<i>Vandenboschia boschiana</i> Appalachian Filmy-fern;	Endangered
(454)	<i>Veronica americana</i> American Speedwell;	Threatened
(455)	<i>Warea cuneifolia</i> Carolina Pineland-cress;	Endangered
(456)	<i>Waldsteinia lobata</i> Lobed Barren-strawberry;	Endangered
(457)	<i>Woodsia ilvensis</i> Rusty Cliff Fern;	Endangered
(458)	<i>Xyris floridana</i> Florida Yellow-eyed-grass;	Special Concern, Vulnerable
(459)	<i>Xyris scabrifolia</i> Roughleaf Yellow-eyed-grass;	Special Concern, Vulnerable
(460)	<i>Xyris serotina</i> Acid-swamp Yellow-eyed-grass;	Special Concern, Historical
(461)	<i>Xyris stricta</i> Pineland Yellow-eyed-grass;	Endangered
(462)	<i>Zephyranthes simpsonii</i> Florida Atamasco-lily.	Endangered