



Ohio Administrative Code

Rule 1501:18-1-03 Endangered and threatened species.

Effective: December 26, 2024

(A) The following species of plants are designated as endangered in Ohio.

- (1) *Absconditella delutula* (Nyl.) Coppins & H. Kilius, a lichen.
- (2) *Acer pensylvanicum* L., Striped maple.
- (3) *Aconitum noveboracense* A. Gray, Northern monkshood.
- (4) *Aconitum uncinatum* L., Southern monkshood.
- (5) *Adlumia fungosa* (Ait.) Greene, Allegheny-vine.
- (6) *Agalinis auriculata* (Michx.) Blake, Ear-leaved-foxglove.
- (7) *Agalinis purpurea* (L.) Pennell var. *parviflora* (Benth.) Boivin, Small purple-foxglove.
- (8) *Agalinis skinneriana* (Wood) Britt., Skinner's-foxglove.
- (9) *Ageratina aromatica* (L.) Spach, Small white snakeroot.
- (10) *Agrostis elliottiana* Schultes, Elliott's bent grass.
- (11) *Ahtiana aurescens* (Nyl.) Coppins & H. Kilius, Eastern candlewax lichen.
- (12) *Amelanchier amabilis* Wiegand, Showy shadbush.
- (13) *Amelanchier humilis* Wiegand, Low serviceberry.



- (14) *Amelanchier interior* E.L. Nielsen, Inland serviceberry.
- (15) *Amphidium mougeotii* (Bruch, Schimper and W. Gümbel) Schimper, Mougeot's ice moss.
- (16) *Androsace occidentalis* Pursh, Western rock-jasmine.
- (17) *Anomobryum filiforme* (Dicks.) Solms, Common silver moss.
- (18) *Anomodon viticulosus* (Hedw.) Hook. and Taylor, Long tail moss.
- (19) *Arabidopsis lyrata* (L.) O'Kane and Al-Shehbaz, Lyre-leaved rock cress.
- (20) *Aralia hispida* Vent., Bristly sarsaparilla.
- (21) *Arabis patens* Sullivant, Spreading rock cress.
- (22) *Arethusa bulbosa* L., Dragon's-mouth.
- (23) *Aristida basiramea* Engelm. ex Vasey, Forked three-awn grass.
- (24) *Aristida necopina* Shinnery, False arrow-feather.
- (25) *Aronia arbutifolia* (L.) Pers., Red chokeberry.
- (26) *Artemisia campestris* L., Beach wormwood.
- (27) *Asplenium bradleyi* D.C. Eaton, Bradley's spleenwort.
- (28) *Asplenium resiliens* Kunze, Black-stemmed spleenwort.
- (29) *Astragalus neglectus* (T. and G.) Sheld., Cooper's milk-vetch.
- (30) *Aulacomnium androgynum* (Hedw.) Schwaegr., Little groove moss.



- (31) *Baptisia australis* (L.) R. Br., Blue false indigo.
- (32) *Barbula indica* (Hooker) Sprengel in E.G. Steudel, Twisted teeth moss.
- (33) *Bidens beckii* Torr. ex Spreng, Water-marigold.
- (34) *Boechera stricta* (Graham) Al-Shehbaz, Drummond's rock cress.
- (35) *Borodinia missouriensis* (Green) P.J. Alexander and Windham, Missouri rock cress.
- (36) *Botrychium angustisegmentum* (Pease and A. H. Moore) Fernald, Narrow triangle moonwort.
- (37) *Botrychium tenebrosum* A.A. Eaton, Swamp moonwort.
- (38) *Callitriche palustris* N.L. Britton and A. Brown, Vernal water-starwort.
- (39) *Calycanthus floridus* L., Sweet-shrub.
- (40) *Capnoides sempervirens* (L.) Borkh., Rock-harlequin.
- (41) *Cardamine pratensis* L. subsp. *dentata* (Schult.) Celak., White cuckoo-flower.
- (42) *Carex alopecoidea* Tuckerman, Northern fox sedge.
- (43) *Carex baileyi* Britt., Bailey's sedge.
- (44) *Carex corrugata* Fern., Prune-fruit sedge.
- (45) *Carex decomposita* Muhl., Cypress-knee sedge.
- (46) *Carex disperma* Dewey, Two-seeded sedge.



- (47) *Carex echinata* Murray, Little prickly sedge.
- (48) *Carex formosa* Dewey, Handsome sedge.
- (49) *Carex garberi* Fern., Garber's sedge.
- (50) *Carex gigantea* Rudge, Large sedge.
- (51) *Carex limosa* L., Mud sedge.
- (52) *Carex longii* Mackenzie, Long's sedge.
- (53) *Carex merritt-fernaldii* Mack., Fernald's sedge.
- (54) *Carex mitchelliana* M.A. Curtis, Mitchell's sedge.
- (55) *Carex pseudocyperus* L., Northern bearded sedge.
- (56) *Carex siccata* Dewey, Hay sedge.
- (57) *Carex viridistellata* Derieg, Reznicek, and Bruederle, Green star sedge.
- (58) *Catinarina neuschildii* (Körb.) P. James, a lichen.
- (59) *Ceanothus herbaceus* Desf., Prairie redroot.
- (60) *Celtis laevigata* Willd., Sugarberry.
- (61) *Cetraria arenaria* Karnefelt, Sand loving Iceland lichen.
- (62) *Chamaenerion angustifolium* (L.) Scop., Fireweed.
- (63) *Chimaphila umbellata* (L.) Bart., Pipsissewa.



- (64) *Cinna latifolia* (Trev.) Griseb., Northern wood-reed.
- (65) *Clintonia borealis* (Ait.) Raf., Bluebead-lily.
- (66) *Clintonia umbellulata* (Michx.) Morong, Speckled wood-lily.
- (67) *Collema conglomeratum* Hoffm., Dotted jelly lichen.
- (68) *Collinsonia verticillata* Baldw., Early stoneroot.
- (69) *Corallorhiza maculata* (Raf.) Raf., Spotted coral-root.
- (70) *Corallorhiza trifida* Chatelain, Early coral-root.
- (71) *Crataegus dodgei* Ashe, Dodge's hawthorn.
- (72) *Crataegus jesupii* Sargent, Jesup's hawthorn.
- (73) *Crataegus magniflora* Sargent, Large-flowered hawthorn.
- (74) *Crataegus pennsylvanica* Ashe, Pennsylvania hawthorn.
- (75) *Crataegus suborbiculata* Sargent, Suborbiculate-leaved hawthorn.
- (76) *Croton michauxii* G. L. Webster var. *elliptica* (Willdenow) B. W. van Ee and P. E. Berry,
Michaux's croton.
- (77) *Cuscuta compacta* Juss. ex Choisy, Sessile dodder.
- (78) *Cuscuta coryli* Engelm., Hazel dodder.
- (79) *Cuscuta cuspidata* Engelm., Cuspidate dodder.



- (80) *Cuscuta glomerata* Choisy, Glomerate dodder.
- (81) *Cuscuta indecora* Choisy, Pretty dodder.
- (82) *Cyperus lancastriensis* Porter, Many-flowered umbrella-sedge.
- (83) *Cyperus refractus* Engelm., Reflexed umbrella-sedge.
- (84) *Cypripedium parviflorum* Salisb. var. *makasin* (Farw.) Sheviak, Small yellow lady's-slipper.
- (85) *Cyrtomnium hymenophylloides* (Hüb.) Nyholm ex T. Kop., Curved-capsuled thin-leaved moss.
- (86) *Dactylorhiza viridis* (L.) R.M. Bateman, Pridgeon, and M.W. Chase, Long-bracted orchid.
- (87) *Desmodium glabellum* (Michx.) DC, Smooth tick-trefoil.
- (88) *Desmodium sessilifolium* (Torr.) T. and G., Sessile-leaved tick-trefoil.
- (89) *Dichanthelium commonsianum* (Ashe) Freckmann, Common's panic grass.
- (90) *Dichanthelium perlongum* (Nash) Freckmann, Long-panicled panic grass.
- (91) *Dichanthelium praecocius* (Hitc. and Chase) Mohlenbr., Early panic grass.
- (92) *Dichanthelium leibergii* (Vasey) Freckmann, Leiberg's panic grass.
- (93) *Diphyscium mucronifolium* Mitten in F. Dozy and J.H. Molkenboer, Cumberland grain o'wheat moss.
- (94) *Draba brachycarpa* Nutt., Little whitlow-grass.
- (95) *Drosera intermedia* Hayne, Spathulate-leaved sundew.



- (96) *Drummondia prorepens* (Hedw.) Britt., Drummond's bark moss.
- (97) *Drymocallis arguta* (Pursh) Rydberg, Tall wood beauty.
- (98) *Dryopteris celsa* (W. Palmer) Knowlton, W. Palmer and Pollard, Log fern.
- (99) *Eleocharis engelmannii* Steud., Engelmann's spike-rush.
- (100) *Eleocharis geniculata* (L.) Roemer and Schultes, Bent spike-rush.
- (101) *Eleocharis macrostachya* Britt. in J.K. Small, Pale spike-rush.
- (102) *Eleocharis parvula* (Roemer and Schultes) Link, Least spike-rush.
- (103) *Eleocharis robbinsii* Oakes, Robbins' spike-rush.
- (104) *Eleocharis verrucosa* (Svenson) L. J. Harms, Warty spike-rush.
- (105) *Eleocharis wolfii* A. Gray, Wolf's spike-rush.
- (106) *Enchylium coccophorum* (Tuckerman) Otálora, Tar jelly lichen.
- (107) *Enchylium conglomeratum* (Hoffman) Otálora, Dotted jelly lichen.
- (108) *Erigeron philadelphicus* L. var. *provancheri* (Victorin & Rouss.) Boivin, Provancher's fleabane.
- (109) *Eriocaulon aquaticum* (Hill) Druce, White-buttons.
- (110) *Erysimum capitatum* (Douglas ex Hooker) Greene, Western wallflower.
- (111) *Erythronium rostratum* W. Wolf, Golden-star.



- (112) *Eupatorium torreyanum* Short and Peter, Torrey's thoroughwort.
- (113) *Euphorbia purpurea* (Raf.) Fern., Glade spurge.
- (114) *Eurybia surculosa* (Michx.) G.L. Nesom, Creeping aster.
- (115) *Fallopia cilinodis* (Michx.) Holub, Mountain bindweed.
- (116) *Fellhanera hybrida* R.C. Harris & Lendemer, Piedmont crustose lichen.
- (117) *Fissidens hyalinus* Wils. and Hook., Filmy fissidens.
- (118) *Forsstroemia producta* (Hornsch.) Par., Sullivant's bark moss.
- (119) *Galium labradoricum* Wieg., Bog bedstraw.
- (120) *Gentiana puberulenta* Pringle, Prairie gentian.
- (121) *Gentiana saponaria* L., Soapwort gentian.
- (122) *Gentiana villosa* L., Sampson's snakeroot.
- (123) *Geranium bicknellii* Britt., Bicknell's crane's-bill.
- (124) *Glyceria borealis* (Nash) Batchelder, Northern manna grass.
- (125) *Gratiola virginiana* L., Round-fruited hedge-hyssop
- (126) *Grimmia olneyi* Sullivant, Olney's grimmia.
- (127) *Gymnocarpium dryopteris* (L.) Newman, Common oak fern.



- (128) *Halecania robertcurtisii* T.J. Curtis & Lendemer, Robert's cliff dots.
- (129) *Helianthus mollis* Lam., Ashy sunflower.
- (130) *Hesperostipa spartea* (Trin.) Barkworth, Porcupine grass.
- (131) *Heteranthera reniformis* Ruiz and Pavon, Mud-plantain.
- (132) *Heuchera villosa* Michx., Hairy alum-root.
- (133) *Hieracium umbellatum* L., Canada hawkweed.
- (134) *Hottonia inflata* Elliott, Featherfoil.
- (135) *Huperzia selago* (L.) Bernh. ex Mart. & Schrank, Northern fir-moss.
- (136) *Hydrocotyle umbellata* L., Navelwort.
- (137) *Hygrohypnum closteri* (Aust.) Grout, Closter's brook moss.
- (138) *Hypericum boreale* (Britt.) Bickn., Northern St. John's-wort.
- (139) *Hypericum canadense* L., Canada St. John's-wort.
- (140) *Hypericum denticulatum* Walt., Coppery St. John's-wort.
- (141) *Hypericum ellipticum* Hook., Few-flowered St. John's-wort.
- (142) *Hypericum gymnanthum* Engelm. and A. Gray, Least St. John's-wort.
- (143) *Hypericum kalmianum* L., Kalm's St. John's-wort.
- (144) *Iris brevicaulis* Raf., Leafy blue flag.



- (145) *Isotria medeoloides* (Pursh) Raf., Small whorled pogonia.
- (146) *Juncus alpinoarticulatus* Chaix, Alpine rush.
- (147) *Juncus subcaudatus* (Engelm.) Coville and S.F. Blake, Woodland rush.
- (148) *Juniperus communis* L., Ground juniper.
- (149) *Koeleria macrantha* (Ledeb.) Schultes, June grass.
- (150) *Lathagrium fuscovirens* (With.) Otálora, Dusky jelly lichen.
- (151) *Lathyrus ochroleucus* Hook., Yellow vetchling.
- (152) *Lathyrus venosus* Muhl., Wild pea.
- (153) *Lechea minor* L., Thyme-leaved pinweed.
- (154) *Lechea pulchella* Raf., Leggett's pinweed.
- (155) *Leersia lenticularis* Michx., Catchfly grass.
- (156) *Ligusticum canadense* (L.) Britt., American lovage.
- (157) *Lilium philadelphicum* L., Wood lily.
- (158) *Lipocarpa drummondii* (Nees) G. Tucker, Drummond's dwarf bulrush.
- (159) *Lithospermum caroliniense* Walter MacMill., Plains puccoon.
- (160) *Loeskeobryum brevirostre* (Brid.) Fleisch., Squarrose-tipped wood moss.



- (161) *Lycopodiella appressa* (Chapm.) Cranfill, Southern bog club-moss.
- (162) *Lycopodiella subappressa* J.G. Bruce, W.H. Wagner and Beitel, Northern appressed club-moss.
- (163) *Magnolia macrophylla* Michx., Bigleaf magnolia.
- (164) *Malus angustifolia* (Ait.) Michx., Narrow-leaved crabapple.
- (165) *Melica nitens* (Scribn.) Nutt. ex Piper, Three-flowered melic.
- (166) *Menegazzia subsimilis* (H. Magn.) R. Sant., Tree flute lichen.
- (167) *Monarda punctata* L., Dotted horsemint.
- (168) *Mononeuria patula* (Michx.) Dillenb., Spreading sandwort.
- (169) *Muhlenbergia cuspidata* (Nutt.) Rydb., Plains muhlenbergia.
- (170) *Muhlenbergia glabrifloris* Scribn., Hair grass.
- (171) *Myorrhiza riparia* (L. T. Collins) Weakley, Louisiana broom-rape.
- (172) *Myrica pensylvanica* Loisel., Northern bayberry.
- (173) *Myriolecis carlottiana* (Lewis & Sliwa) Sliwa, Zhao Xin & Lumbsch, a lichen.
- (174) *Myriophyllum sibiricum* Komarov, American water-milfoil.
- (175) *Myriophyllum verticillatum* L., Green water-milfoil.
- (176) *Myriopteris lanosa* (Michx.) Grusz and Windham, Hairy lip fern.



- (177) *Nabalus aspera* Michx., Rough rattlesnake-root.
- (178) *Nabalus trifoliolatus* Cassini, Gall-of-the-earth.
- (179) *Neckera pennata* Hedw., Neckera moss.
- (180) *Neottia cordata* (L.) Richard, Heartleaf twayblade.
- (181) *Nuttallanthus canadensis* (L.) D.A. Sutton, Old-field toadflax.
- (182) *Oenothera clelandii* Dietrich, Raven and W.L. Wagner, Cleland's evening-primrose.
- (183) *Oxalis montana* Raf., White wood-sorrel.
- (184) *Panicum tuckermanii* Fern., Tuckerman's panic grass.
- (185) *Paxistima canbyi* A. Gray, Cliff-green.
- (186) *Penstemon canescens* (Britt.) Britt., Gray beard-tongue.
- (187) *Perideridea americana* (Nutt. ex DC.) Rchb., Eastern yampah.
- (188) *Persicaria careyi* (Olney) Greene., Carey's smartweed.
- (189) *Persicaria setacea* (Baldw.) Small, Bristly smartweed.
- (190) *Phacelia dubia* (L.) Trel., Small-flowered scorpion weed.
- (191) *Phacelia covillei* S. Watson, Coville's scorpion weed.
- (192) *Phaeophyscia leana* (Tuck.) Essl., Lea's shadow lichen.
- (193) *Phlox latifolia* Michx., Mountain phlox.



- (194) *Piptochaetium avenaceum* (L.) Parodi, Black-seeded needle grass.
- (195) *Pityopsis graminifolia* (Michx.) Nutt., Silk-grass.
- (196) *Plantago cordata* Lam., Heart-leaved plantain.
- (197) *Platanthera blephariglottis* (Willd.) Lindl., White fringed orchid.
- (198) *Pluchea camphorata* (L.) DC., Camphor-weed.
- (199) *Poa saltuensis* Fern. and Wieg., Pasture blue grass.
- (200) *Poa wolfii* Scribn., Wolf's blue grass.
- (201) *Podostemum ceratophyllum* Michx., Riverweed.
- (202) *Polygala cruciata* L. var. *aquilonia* (Fern.) B.G. Schubert, Cross-leaved milkwort.
- (203) *Polygala curtissii* Gray, Curtiss' milkwort.
- (204) *Polygaloides paucifolia* (Willd.) J.R. Abbott, Gay-wings.
- (205) *Populus balsamifera* L., Balsam poplar.
- (206) *Potamogeton gramineus* L., Grass-like pondweed.
- (207) *Potamogeton hillii* Morong, Hill's pondweed.
- (208) *Potamogeton praelongus* Wulfen, White-stemmed pondweed.
- (209) *Potamogeton pulcher* Tuck., Spotted pondweed.



- (210) *Potamogeton robbinsii* Oakes, Robbins' pondweed.
- (211) *Potamogeton vaseyi* J. W. Robbins, Vasey's pondweed.
- (212) *Potentilla supina* L. subsp. *paradoxa* (Nutt.) Soják, Bushy cinquefoil.
- (213) *Prunus nigra* Aiton, Canada plum.
- (214) *Prunus pumila* L. var. *cuneata* (Raf.) L.H. Bailey, Sand cherry.
- (215) *Pseudognaphalium macounii* (Greene) Kartesz, Winged cudweed.
- (216) *Ptilium crista-castrensis* (Hedw.) De Not, Knight's plume moss.
- (217) *Punctelia perreticulata* (Rasanen) Wilhelm and Ladd, Reticulate speckled shield lichen.
- (218) *Ramalina farinacea* (L.) Ach., Dotted ramalina.
- (219) *Ramalina intermedia* Nyl., Rock ramalina.
- (220) *Rhododendron calendulaceum* (Michx.) Torr., Flame azalea.
- (221) *Rhynchospora recognita* (Gale) Kral, Tall grass-like beak-rush.
- (222) *Ricasolia quercizans* (Michx.) Stizenb., Smooth lungwort lichen.
- (223) *Rorippa aquatica* (Eaton) E.J. Palmer and Steyermark, Lake cress.
- (224) *Rubus beamanii* Widrlechner and Riley, Beaman's dewberry.
- (225) *Rubus canadensis* L., Smooth blackberry.
- (226) *Rubus dalibarda* L., Robin-run-away.



- (227) *Rubus trivialis* Michx., Southern dewberry.
- (228) *Saccharum alopecuroides* (L.) Nutt., Silver plume grass.
- (229) *Sagina decumbens* (Ell.) T. and G., Southern pearlwort.
- (230) *Sagittaria cuneata* Sheldon, Wapato.
- (231) *Sagittaria graminea* Michx., Grass-leaved arrowhead.
- (232) *Sagittaria platyphylla* (Engelm.) J.G. Sm., Elliptic-leaved arrowhead.
- (233) *Salix pedicellaris* Pursh, Bog willow.
- (234) *Sceptridium biternatum* (Sav.) Lyon, Sparse-lobed grape fern.
- (235) *Scheuchzeria palustris* L., Arrow-grass.
- (236) *Schistostega pennata* (Hedw.) F. Weber and D. Mohr, Goblin gold moss.
- (237) *Schizachyrium littorale* Gould, Coastal little bluestem.
- (238) *Schoenoplectiella saximontana* (Fernald) Lye, Rocky Mountain bulrush.
- (239) *Schoenoplectiella hallii* (A. Gray) Lye, Hall's bulrush.
- (240) *Schoenoplectus americanus* (Pers.) Volk. ex Schinz and R. Keller, Olney's three-square.
- (241) *Schoenoplectus subterminalis* (Torr.) Soják, Swaying-rush.
- (242) *Schoenoplectus torreyi* (Olney) Palla, Torrey's bulrush.



- (243) *Selaginella rupestris* (L.) Spring, Rock spike-moss.
- (244) *Silene nivea* (Nutt.) Otth., Snowy Campion.
- (245) *Silphium laciniatum* L., Compass-plant.
- (246) *Sisyrinchium atlanticum* Bickn., Atlantic blue-eyed-grass.
- (247) *Sisyrinchium mucronatum* Michx., Narrow-leaved blue-eyed-grass.
- (248) *Smilax pulverulenta* Michx., Downy carrion-flower.
- (249) *Solidago puberula* Nutt., Dusty goldenrod.
- (250) *Solidago rigidiuscula* (Torr. & A. Gray) Porter, Slender showy goldenrod.
- (251) *Solidago sphacelata* Raf., False goldenrod.
- (252) *Sorbus decora* (Sarg.) C.K. Schneider, Northern mountain-ash.
- (253) *Sparganium emersum* Rehm., Small bur-reed.
- (254) *Sphenopholis obtusata* (Michx.) Scribn., Prairie wedge grass.
- (255) *Spiraea virginiana* Britt., Virginia spiraea.
- (256) *Sporobolus heterolepis* (A. Gray) A. Gray, Prairie dropseed.
- (257) *Stenanthemum gramineum* (Ker-Gawl.) Morong var. *gramineum*, Feather-bells.
- (258) *Streptopus lanceolatus* (Ait.) Reveal, Rose twisted-stalk.
- (259) *Tetraneuris herbacea* Greene, Lakeside daisy.



- (260) *Thuidium allenii* Austin, Allen's fern moss.
- (261) *Thyrea confusa* Henssen, Jelly strap lichen.
- (262) *Tomentypnum nitens* (Hedw.) Loeske, Fuzzy hypnum moss.
- (263) *Tortella fragilis* (Hook. & Wils. in Drumm.) Limpr., Fragile twisted moss.
- (264) *Tortella inclinata* (Hedw. f.) Limpr., Curved tortella.
- (265) *Tortula inclinata* (R. Hedw.) Limpr., Curved tortella
- (266) *Toxicodendron rydbergii* (Small) Greene, Northern poison-ivy.
- (267) *Trichostema setaceum* Houtt, Narrow-leaved bluecurls.
- (268) *Trifolium reflexum* L., Buffalo clover.
- (269) *Trillium undulatum* Willd., Painted trillium.
- (270) *Trollius laxus* Salisb., Spreading globeflower.
- (271) *Urtica chamaedryoides* Pursh, Spring nettle.
- (272) *Utricularia cornuta* Michx., Horned bladderwort.
- (273) *Utricularia geminiscapa* Benj., Two-scaped bladderwort.
- (274) *Vaccinium myrtilloides* Micx., Velvet-leaved blueberry.
- (275) *Vandenboschia boschiana* (J. W. Sturm ex Bosch) Ebihara and K. Iwatsuki, Appalachian filmy fern.



- (276) *Valeriana ciliata* T. and G., Prairie valerian.
- (277) *Vernonia missurica* Raf., Missouri ironweed.
- (278) *Vezeadaea retigera* Poelt & Döbbeler, a lichen.
- (279) *Viburnum opulus* L. var. *americanum* Ait., Highbush-cranberry.
- (280) *Vicia americana* Muhl. ex Willd., American vetch.
- (281) *Weissia sharpii* Anderson and Lemon, Sharp's green-cushioned moss.
- (282) *Xyris difformis* Chapm., Variable yellow-eyed-grass.
- (283) *Xyris torta* Sm., Twisted yellow-eyed-grass.
- (B) The following species of plants are designated as threatened in Ohio.
- (1) *Actaea rubra* (Ait.) Willd., Red baneberry.
- (2) *Agalinis gattingeri* (Small) Small, Gattinger's-foxglove.
- (3) *Aletris farinosa* L., White-tubed colicroot.
- (4) *Amelanchier sanguinea* (Pursh) DC., Rock serviceberry.
- (5) *Ammophila breviligulata* Fern., American beach grass.
- (6) *Andropogon glomeratus* (Walter) Britton, Bushy broom-sedge.
- (7) *Anemone cylindrica* A. Gray, Prairie thimbleweed.



- (8) *Antennaria virginica* Stebbins, Shale barren pussy-toes.
- (9) *Asplenium ruta-muraria* L., Wall-rue.
- (10) *Astragalus canadensis* L., Canada milk-vetch.
- (11) *Aureolaria pedicularia* (L.) Raf., Fern-leaf false foxglove.
- (12) *Bartonia paniculata* (Michx.) Muhl., Screw-stem.
- (13) *Betula pumila* L., Swamp birch.
- (14) *Boltonia asteroides* (L.) L'Hér., False aster.
- (15) *Buchnera americana* L., Bluehearts.
- (16) *Buxbaumia aphylla* Hedw., Bug-on-a-stick.
- (17) *Calamagrostis porteri* Gray. subsp. *insperata* (Swallen) C.W. Greene, Bartley's reed grass.
- (18) *Calamintha arkansana* (Nutt.) Shinnery, Limestone savory.
- (19) *Calopogon tuberosus* (L.) BSP, Grass-pink.
- (20) *Campanula rotundifolia* L. Harebell.
- (21) *Campylostelium saxicola* (Web. and Mohr) Bruch and Schimp. in BSG, Rock-loving swan-necked moss.
- (22) *Carex aquatilis* Wahl., Leafy tussock sedge.
- (23) *Carex arctata* Boott, Drooping wood sedge.



- (24) *Carex bicknellii* Britt., Bicknell's sedge.
- (25) *Carex brunnescens* (Pers.) Poir., Brownish sedge.
- (26) *Carex complanata* Torr. and Hook., Flattened sedge.
- (27) *Carex conoidea* Willd., Field sedge.
- (28) *Carex crinita* Lam. var. *brevicrinis* Fernald, Short-fringed sedge.
- (29) *Carex crus-corvi* Shuttlw. ex Kunze, Raven-foot sedge.
- (30) *Carex cryptolepis* Mackenzie, Little yellow sedge.
- (31) *Carex diandra* Schrank, Lesser panicled sedge.
- (32) *Carex gynandra* Schwein., Nodding sedge.
- (33) *Carex louisianica* L.H. Bailey, Louisiana sedge.
- (34) *Carex lucorum* Willd., Fire sedge.
- (35) *Carex oligosperma* Michx., Few-seeded sedge.
- (36) *Carex projecta* Mackenzie, Necklace sedge.
- (37) *Carex purpurifera* Mackenzie, Purple wood sedge.
- (38) *Carex retrorsa* Schwein., Reflexed bladder sedge.
- (39) *Carex sprengei* Dewey ex Sprengel, Sprengel's sedge.
- (40) *Carex viridula* Michx., Little green sedge.



- (41) *Chamaedaphne calyculata* (L.) Moench, leatherleaf.
- (42) *Chrysogonum repens* (Cass.) Nesom, Golden-knees.
- (43) *Cirsium carolinianum* (Walt.) Fern. and Schub., Carolina thistle.
- (44) *Comarum palustre* L., Marsh fivefinger.
- (45) *Comptonia peregrina* (L.) Coult., Sweet-fern.
- (46) *Corallorhiza maculata* (Raf.) Raf., Spotted coral-root.
- (47) *Cornus canadensis* L., Bunchberry.
- (48) *Crocanthemum bicknellii* (Fern.) Barnh., Plains frostweed.
- (49) *Crocanthemum canadense* (L.) Britt., Canada frostweed.
- (50) *Cyperus diandrus* Torr., Low umbrella-sedge.
- (51) *Cyperus schweinitzii* Torr., Schweinitz' umbrella-sedge.
- (52) *Cypripedium candidum* Muhl. ex Willd., Small white lady's-slipper.
- (53) *Cypripedium reginae* Walt., Showy lady's-slipper.
- (54) *Dichanthelium meridionale* (Ashe) Freckmann, Southern hairy panic grass.
- (55) *Dichanthelium scoparium* (Lam.) Gould, Velvet panic grass.
- (56) *Draba cuneifolia* Nutt., Wedge-leaved whitlow-grass.



- (57) *Draba reptans* (Lam.) Fern., Carolina whitlow-grass.
- (58) *Dryopteris clintoniana* (D.C. Eaton) Dowell, Clinton's wood fern.
- (59) *Echinodorus berteroi* (Spreng.) Fassett, Burhead.
- (60) *Eleocharis flavescens* (Poir.) Urban, Green spike-rush.
- (61) *Eleocharis quinqueflora* (Hartmann) O. Schwartz, Few-flowered spike-rush.
- (62) *Eleocharis tenuis* (Willd.) Schult., Slender spike-rush.
- (63) *Elymus trachycaulus* (Link) Gould, Bearded wheat grass.
- (64) *Epilobium strictum* Muhl., Simple willow-herb.
- (65) *Equisetum variegatum* Schleicher, Variegated scouring-rush.
- (66) *Eriophorum virginicum* L., Tawny cottongrass.
- (67) *Eriophorum viridicarinatum* (Englem.) Fern., Green cotton-grass.
- (68) *Eupatorium album* L., White thoroughwort.
- (69) *Eupatorium godfreyanum* Cronquist, Godfrey's thoroughwort.
- (70) *Euthamia caroliniana* Greene ex Porter and Britton, Carolina flat-topped goldenrod.
- (71) *Fleischmannia incarnata* (Walter) R.M. King and H. Rob., Pink thoroughwort.
- (72) *Galium palustre* L., Marsh bedstraw.
- (73) *Gentiana alba* Muhl., Yellowish gentian.



- (74) *Gentiana clausa* Raf., Closed gentian.
- (75) *Gentianopsis virgata* (Raf.) Holub, Small fringed gentian.
- (76) *Gillenia trifoliata* (L.) Moench, Bowman's-root.
- (77) *Glyceria acutiflora* Torr., Sharp-glumed manna grass.
- (78) *Gratiola viscidula* Pennel, Short's Hedge hyssop.
- (79) *Heuchera longiflora* Rydberg in Britton, Long-flowered alum-root.
- (80) *Iris verna* L., Dwarf iris.
- (81) *Isoëtes engelmannii* A. Br., Engelmann's quillwort.
- (82) *Juncus greenei* Oakes and Tuckerman, Greene's rush.
- (83) *Krigia dandelion* (L.) Nutt., Potato-dandelion.
- (84) *Krigia virginica* (L.) Willd., Dwarf dandelion.
- (85) *Lactuca hirsuta* Muhl., Hairy tall lettuce.
- (86) *Lathyrus japonicus* Willd., Inland beach pea.
- (87) *Leavenworthia uniflora* (Michx.) Butl., Michaux's glade-cress.
- (88) *Liatris cylindracea* Michx., Slender blazing-star.
- (89) *Lipocarpa micrantha* (Vahl) G. Tucker, Dwarf bulrush.



- (90) *Lycopodiella inundata* (L.) Holub., Northern bog clubmoss.
- (91) *Melampyrum lineare* Desr., Cow-wheat.
- (92) *Menyanthes trifoliata* L., Buckbean.
- (93) *Monarda didyma* L., Scarlett Beebalm.
- (94) *Nothoscordum bivalve* (L.) Britt., False garlic.
- (95) *Nuphar variegata* Durand, Bullhead-lily.
- (96) *Ophioglossum engelmannii* Prantl, Limestone adder's-tongue.
- (97) *Ophioglossum pusillum* Raf., Northern adder's-tongue fern.
- (98) *Oryzopsis asperifolia* Michx., Large-leaved mountain-rice.
- (99) *Packera paupercula* (Michx.) A. Löve and D. Löve, Balsam squaw-weed.
- (100) *Panicum philadelphicum* Bernh., Philadelphia panic grass.
- (101) *Paspalum repens* (Ell.) Kunth, Riverbank paspalum.
- (102) *Passiflora incarnata* L., Maypop.
- (103) *Persicaria robustior* (Small) Bickn., Coarse smartweed.
- (104) *Phyllanthus caroliniensis* Walt., Carolina leaf-flower.
- (105) *Platanthera ciliaris* (L.) Lindl., Yellow fringed orchid.
- (106) *Platanthera leucophaea* (Nutt.) Lindl., Prairie fringed orchid.



- (107) *Pogonia ophioglossoides* (L.) Ker, Rose pogonia.
- (108) *Polygala incarnata* L., Pink milkwort.
- (109) *Polygala polygama* Walt., Racemed milkwort.
- (110) *Potamogeton zosteriformis* Fern., Flat-stemmed pondweed.
- (111) *Prosartes maculata* (Buckley) A. Gray, Nodding mandarin.
- (112) *Prunus rivularis* Scheele, Wild goose plum.
- (113) *Ramalina pollinaria* (Westr.) Ach., Chalky ramalina.
- (114) *Ranunculus ambigens* S. Wats., Water-plantain spearwort.
- (115) *Ranunculus fascicularis* Muhl., Early buttercup.
- (116) *Ranunculus pusillus* Poir., Low spearwort.
- (117) *Rhododendron maximum* L., Great rhododendron.
- (118) *Ribes missouriense* Nutt., Missouri gooseberry.
- (119) *Ribes triste* Pallas, Swamp red currant.
- (120) *Rubus fulleri* L.H. Bailey, Fuller's bristleberry.
- (121) *Rusavskia elegans* (Link) S.Y. Kondr. and Kärnefelt, Elegant sunburst lichen.
- (122) *Salix candida* Flueggé ex Willd., Hoary willow.



- (123) *Salix petiolaris* Sm., Slender willow.
- (124) *Sarracenia purpurea* L., Purple pitcher-plant.
- (125) *Sceptridium multifidum* (Gmel.) Nishida, Leathery grape fern.
- (126) *Schizachne purpurascens* (Torr.) Swallen, False melic.
- (127) *Schoenoplectiella smithii* (A. Gray) Soják, Smith's bulrush.
- (128) *Scutellaria saxatilis* Riddell, Rock skullcap.
- (129) *Sericocarpus linifolius* (L.) B. S. P., Narrow-leaved aster.
- (130) *Shepherdia canadensis* (L.) Nutt., Canada buffalo-berry.
- (131) *Silene caroliniana* Walt. subsp. *pennsylvanica* (Michx.) Clausen, Carolina catchfly.
- (132) *Silene caroliniana* Walt. subsp. *wherryi* (Small) Clausen, Wherry's catchfly.
- (133) *Silene regia* Sims, Royal catchfly.
- (134) *Sisyrinchium montanum* Greene, Northern blue-eyed-grass.
- (135) *Solidago odora* Ait., Sweet goldenrod.
- (136) *Solidago speciosa* Nutt., Showy goldenrod.
- (137) *Solidago squarrosa* Muhl., Leafy goldenrod.
- (138) *Sparganium androcladum* (Engelm.) Morong, Keeled bur-reed.
- (139) *Spiranthes romanzoffiana* Cham., Hooded ladies'-tresses.



- (140) *Symphotrichum drummondii* (Lindl.) G.L. Nesom, Drummond's aster.
- (141) *Symphotrichum dumosum* (L.) G.L. Nesom, Bushy aster.
- (142) *Symphotrichum oblongifolium* (Nutt.) G.L. Nesom, Shale barren aster.
- (143) *Triadenum tubulosum* (Walter) Gleason, Large marsh St. John's-wort.
- (144) *Triadenum walteri* (S.G. Gmelin) Gleason, Walter's St. John's-wort.
- (145) *Triantha glutinosa* (Michx.) Baker, False asphodel.
- (146) *Triglochin maritimum* L., Seaside arrow-grass.
- (147) *Utricularia intermedia* Hayne, Flat-leaved bladderwort.
- (148) *Utricularia minor* L., Lesser bladderwort.
- (149) *Vaccinium oxycoccos* L., Small cranberry.
- (150) *Veratrum virginicum* (L.) W.T. Aiton, Bunchflower.
- (151) *Veratrum woodii* J.W. Robbins ex Alph. Wood, Wood's-hellebore.
- (152) *Vernonia fasciculata* Michx., Prairie ironweed.
- (153) *Viburnum lantanoides* Michx., Hobblebush.
- (154) *Viburnum molle* Michx., Soft-leaved arrow-wood.
- (155) *Viola baxterii* House, Baxter's violet.



(156) *Viola glaberrima* (Ging.) House, Wedge-leaved violet.

(157) *Viola pedata* L., Birdfoot violet.

(158) *Viola primulifolia* L., Primrose-leaved violet.

(159) *Viola walteri* House, Walter's violet.

(160) *Zizania aquatica* L., Southern wild rice.