

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

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

- (1) *Acer pensylvanicum* L., Striped maple.
- (2) *Aconitum noveboracense* A. Gray, Northern monkshood.
- (3) *Aconitum uncinatum* L., Southern monkshood.
- (4) *Agalinis auriculata* (Michx.) Blake, Ear-leaved-foxglove.
- (5) *Agalinis purpurea* (L.) Pennell var. *parviflora* (Benth.) Boivin, Small purple-foxglove.
- (6) *Agalinis skinneriana* (Wood) Britt., Skinner's-foxglove.
- (7) *Ageratina aromatica* (L.) Spach, Small white snakeroot.
- (8) *Agrostis elliotiana* Schultes, Elliott's bent grass.
- (9) *Andropogon glomeratus* (Walter) Britton, Bushy broom-sedge.
- (10) *Anomobryum filiforme* (Dicks.) Solms, Common silver moss.
- (11) *Anomodon viticulosus* (Hedw.) Hook. & Taylor, Long tail moss.
- (12) *Arabis divaricarpa* A. Nels., Limestone rock cress.
- (13) *Arabis drummondii* A. Gray, Drummond's rock cress.
- (14) *Arabis hirsuta* (L.) Scop. var. *pyncocarpa* (M. Hopkins) Rollins, Western hairy rock cress.
- (15) *Arabis lyrata* L., Lyre-leaved rock cress.
- ~~(15)~~(16) *Arabis missouriensis* Greene, Missouri rock cress.
- ~~(16)~~(17) *Arabis patens* Sullivant, Spreading rock cress.

- ~~(17)~~(18) *Aralia hispida* Vent., Bristly sarsaparilla.
- ~~(18)~~(19) *Arethusa bulbosa* L., Dragon's-mouth.
- ~~(19)~~(20) *Aristida necopina* Shinn., False arrow-feather.
- ~~(20)~~(21) *Aronia arbutifolia* (L.) Pers., Red chokeberry.
- (22) *Asplenium bradleyi* D. C. Eaton, Bradley's spleenwort.
- ~~(21)~~(23) *Astragalus neglectus* (T. & G.) Sheld., Cooper's milk-vetch.
- ~~(22)~~(24) *Aureolaria pedicularia* (L.) Raf. var. *ambigens* (Fern.) Farwell, Prairie fern-leaved false foxglove.
- ~~(23)~~(25) *Aureolaria pedicularia* (L.) Raf. var. *pedicularia*, Woodland fern-leaved false foxglove.
- ~~(24)~~(26) *Baptisia australis* (L.) R. Br., Blue false indigo.
- ~~(25)~~(27) *Barbula indica* (Hook.) Spreng. in Steud. var. *indica*, Twisted teeth moss.
- ~~(26)~~(28) *Bartonia paniculata* (Michx.) Muhl., Screw-stem.
- ~~(27)~~(29) *Botrychium biternatum* (Sav.) Underwood, Sparse-lobed grape fern.
- ~~(28)~~ *Botrychium lanceolatum* (S.G. Gmelin) Angstrom, ~~Triangle grape fern.~~
- ~~(29)~~(30) *Botrychium multifidum* (Gmel.) Rupr., Leathery grape fern
- ~~(30)~~(31) *Botrychium simplex* E. Hitchc., Least grape fern.
- ~~(31)~~ *Buxbaumia aphylla* Hedw., ~~Bug on a stick.~~
- ~~(32)~~ *Buxbaumia minakatae* Okam., ~~Ethereal elf cap moss.~~
- ~~(33)~~(32) *Campylostelium saxicola* (Web. & Mohr) BSG, Rock-loving swan-necked moss.
- ~~(34)~~(33) *Canoparmelia amabilis* (Nyl.) Heiman & Elix, Obed shield lichen.

- ~~(35)~~(34) *Canoparmelia caroliniana* (Nyl.) Elix & Hale, Carolina shield lichen.
- ~~(36)~~(35) *Cardamine pratensis* L. var. *palustris* Wimmer & Graebner, American cuckoo-flower.
- ~~(37)~~(36) *Carex alopecoidea* Tuckerman, Northern fox sedge.
- ~~(38)~~(37) *Carex arctata* Boott, Drooping wood sedge.
- ~~(39)~~(38) *Carex brunnescens* (Pers.) Poir., Brownish sedge.
- ~~(40)~~ *Carex bushii* Mackenzie, Bush's sedge.
- ~~(41)~~(39) *Carex decomposita* Muhl., Cypress-knee sedge.
- ~~(42)~~(40) *Carex disperma* Dewey, Two-seeded sedge.
- ~~(43)~~(41) *Carex echinata* Murray, Little prickly sedge.
- ~~(44)~~(42) *Carex garberi* Fern., Garber's sedge.
- (43) *Carex gigantea* Rudge, Large sedge.
- (44) *Carex gynandra* Schwein., Nodding sedge.
- (45) *Carex limosa* L., Mud sedge.
- (46) *Carex longii* Mackenzie, Long's sedge.
- (47) *Carex louisianica* L. Bailey, Louisiana sedge.
- (48) *Carex lucorum* Willd., Fire sedge.
- (49) *Carex merritt-fernaldii* Mack., Fernald's sedge.
- (50) *Carex mesochorea* Mackenzie, Midland sedge.
- ~~(50)~~(51) *Carex mitchelliana* M.A. Curtis, Mitchell's sedge.
- ~~(51)~~ *Carex planispicata* Naezi, Flat-spiked sedge.

- (52) *Carex pseudocyperus* L., Northern bearded sedge.
- (53) *Carex retrorsa* Schwein., Reflexed bladder sedge.
- (54) *Carex reznicekii* Werier, Reznicek's Sedge.
- (55) *Carex siccata* Dewey, Hay sedge.
- ~~(54)~~(56) *Carex striatula* Michx., Lined sedge.
- ~~(55)~~(57) *Cinna latifolia* (Trev.) Griseb., Northern wood-reed.
- ~~(56)~~(58) *Clintonia borealis* (Ait.) Raf., Bluebead-lily.
- ~~(57)~~(59) *Coeloglossum viride* (L.) Hartman, Long-bracted orchid.
- ~~(58)~~(60) *Collema bachmanianum* (Fink) Degel., Bachman's jelly lichen.
- ~~(59)~~(61) *Collema coccophorum* Tuck., Tar jelly lichen.
- ~~(60)~~(62) *Collema conglomeratum* Hoffm., Dotted jelly lichen.
- ~~(61)~~(63) *Collema fuscovirens* (With.) Laundon, Dusky jelly lichen.
- ~~(62)~~(64) *Collinsonia verticillata* Baldw., Early stoneroot.
- ~~(63)~~(65) *Comptonia peregrina* (L.) Coult., Sweet-fern.
- ~~(64)~~(66) *Corallorhiza trifida* Chatelain, Early coral-root.
- ~~(65)~~(67) *Cornus canadensis* L., Bunchberry.
- ~~(66)~~ *Crataegus uniflora* Muenchh., Dwarf hawthorn.
- ~~(67)~~(68) *Croton glandulosus* L., Northern croton.
- ~~(68)~~(69) *Cuscuta cuspidata* Engelm., Cuspidate dodder.
- ~~(69)~~(70) *Cuscuta indecora* Choisy, Pretty dodder.

- ~~(70)~~(71) *Cyperus refractus* Engelm., Reflexed umbrella-sedge.
- ~~(71)~~(72) *Cyperus retrofractus* (L.) Torrey, Rough umbrella-sedge.
- ~~(72)~~(73) *Cypripedium candidum* Muhl. ex Willd., White lady's-slipper.
- ~~(73)~~(74) *Cypripedium parviflorum* Salisb. var. *parviflorum*, Small yellow lady's-slipper.
- ~~(74)~~(75) *Dalibarda repens* L., Robin-run-away.
- ~~(75)~~(76) *Desmodium glabellum* (Michx.) DC, Hairy tick-trefoil.
- ~~(76)~~(77) *Dichelyma capillaceum* (With.) Myrin, Awned dichelyma moss.
- ~~(77)~~ *Diphyseium mucronifolium* Mitten, Cumberland grain o' wheat moss.
- (78) *Draba brachycarpa* Nutt., Little whitlow-grass.
- (79) *Drosera intermedia* Hayne, Spathulate-leaved sundew.
- ~~(79)~~(80) *Dryopteris celsa* (W. Palmer) Knowlton, W. Palmer & Pollard, Log fern.
- ~~(80)~~(81) *Dryopteris clintoniana* (D.C. Eaton) Dowell, Clinton's wood fern.
- ~~(81)~~(82) *Dryopteris filix-mas* (L.) Schott, Male fern.
- ~~(82)~~ *Echinodorus berteroi* (Spreng.) Fassett, Burhead.
- (83) *Eleocharis engelmannii* Steud., Engelmann's spike-rush.
- (84) *Eleocharis geniculata* (L.) Roemer & Schultes, Caribbean spike-rush.
- (85) *Eleocharis ovata* (Roth) Roemer & Schultes, Ovate spike-rush.
- (86) *Eleocharis parvula* (Roemer & Schultes) Link, Least spike-rush.
- (87) *Eleocharis robbinsii* Oakes, Robbins' spike-rush.

- (88) *Eleocharis wolfii* A. Gray, Wolf's spike-rush.
- (89) *Epilobium angustifolium* L., Fireweed.
- (90) *Equisetum variegatum* Schleicher, Variegated scouring-rush.
- (91) *Eriocaulon aquaticum* (Hill) Druce, White-buttons.
- (92) *Erysimum arkansanum* Nutt., Western wallflower.
- (93) *Erythronium rostratum* Wolf., Golden-star.
- (94) *Eupatorium album* L., White thoroughwort.
- (95) *Eupatorium hyssopifolium* L., Hyssop thoroughwort.
- (96) *Euphorbia purpurea* (Raf.) Fern., Glade spurge.
- (97) *Euphorbia serpens* HBK., Round-leaved spurge.
- (98) *Eurybia surculosa* (Michx.) G. L. Nesom, Creeping aster.
- (99) *Fallopia cilinodis* (Michx.) Holub, Mountain bindweed.
- (100) *Fissidens hyalinus* Wils. & Hook., Filmy fissidens.
- (101) *Froelichia floridana* (Nutt.) Moq., Common cottonweed.
- (102) *Galium palustre* L., Marsh bedstraw.
- (103) *Gentiana puberulenta* Pringle, Prairie gentian.
- (104) *Gentiana saponaria* L., Soapwort gentian.
- (105) *Gentiana villosa* L., Sampson's snakeroot.
- (106) *Geranium bicknellii* Britt., Bicknell's crane's-bill.

- (107) *Gymnocarpium dryopteris* (L.) Newman, Common oak fern.
- (108) *Hesperostipa spartea* (Trin.) Barkworth, Porcupine grass.
- ~~(108)~~(109) *Heteranthera reniformis* Ruiz & Pavon, Mud-plantain.
- ~~(109)~~(110) *Heuchera longiflora* Rydberg in Britton, Long-flowered alum-root.
- ~~(110)~~(111) *Heuchera villosa* Michx., Hairy alum-root.
- ~~(111)~~(112) *Hieracium longipilum* Torr., Long-bearded hawkweed.
- ~~(112)~~(113) *Hydrocotyle umbellata* L., Navelwort.
- ~~(113)~~(114) *Hypericum canadense* L., Canada St. John's-wort.
- ~~(114)~~(115) *Hypericum denticulatum* Walt., Coppery St. John's-wort.
- ~~(115)~~(116) *Hypericum gymnanthum* Engelm. & A. Gray, Least St. John's-wort.
- ~~(116)~~(117) *Hypnum pratense* (Rabenh.) W. Koch ex Spruce, Wrinkled-leaved marsh hypnum.
- ~~(117) *Iris verna* L., Dwarf iris.~~
- (118) *Isoetes engelmannii* A. Br., Appalachian quillwort.
- (119) *Isotria medeoloides* (Pursh) Raf., Small whorled pogonia.
- (120) *Juncus interior* Wieg., Inland rush.
- (121) *Juncus platyphyllus* (Wieg.) Fern., Flat-leaved rush.
- (122) *Juniperus communis* L., Ground juniper.
- (123) *Koeleria macrantha* (Ledeb.) Schultes, June grass.
- (124) *Lactuca hirsuta* Muhl., Hairy tall lettuce.

- (125) *Lathyrus ochroleucus* Hook., Yellow vetchling.
- (126) *Lathyrus venosus* Muhl., Wild pea.
- (127) *Ledum groenlandicum* Oeder, Labrador-tea.
- (128) *Leersia lenticularis* Michx., Catchfly grass.
- (129) *Lilium philadelphicum* L., Wood lily.
- (130) *Linaria canadensis* (L.) Dumont, Old-field toadflax.
- (131) *Lipocarpha drummondii* (Nees) G. Tucker, Drummond's dwarf bulrush.
- (132) *Lycopodiella appressa* (Chapm.) Cranfill, Southern bog club-moss.
- ~~(132) *Lycopodiella margueritae* J. G. Bruce, W. H. Wagner & Beitel, Northern prostrate club-moss.~~
- (133) *Lycopodiella subappressa* J. G. Bruce, W. H. Wagner & Beitel, Northern appressed club-moss.
- (134) *Lycopodium lagopus* (Laest. ex C. Hartm.) G. Zinserl. ex Kuzen., One-coned club-moss.
- (135) *Magnolia macrophylla* Michx., Bigleaf magnolia.
- (136) *Minuartia patula* (Michx.) Mattf., Spreading sandwort.
- (137) *Monarda punctata* L., Dotted horsemint.
- ~~(138) *Moneses uniflora* (L.) A. Gray, One-flowered wintergreen.~~
- ~~(139)~~(138) *Muhlenbergia cuspidata* (Nutt.) Rydb., Plains muhlenbergia.
- ~~(140)~~(139) *Muhlenbergia glabrifloris* Scribn., Hair grass.
- ~~(141)~~(140) *Myrica pensylvanica* Loisel., Bayberry.

- ~~(142)~~(141) *Myriophyllum heterophyllum* Michx., Two-leaved water-milfoil.
- ~~(143)~~(142) *Myriophyllum verticillatum* L., Green water-milfoil.
- ~~(144)~~(143) *Najas gracillima* (A. Braun) Magnus, Thread-like naiad.
- ~~(145)~~(144) *Nuphar variegata* Durand, Bullhead-lily.
- ~~(146)~~(145) *Oenothera clelandii* Dietrich, Raven & W. L. Wagner, Cleland's evening-primrose.
- ~~(147)~~(146) *Ophioglossum engelmannii* Prantl, Limestone adder's-tongue.
- ~~(148)~~(147) *Ophioglossum pusillum* Raf., Northern adder's-tongue.
- ~~(149)~~(148) *Oxalis montana* Raf., White Wood-sorrel.
- ~~(150)~~(149) *Panicum commonsianum* Ashe, Common's panic grass.
- ~~(151)~~(150) *Panicum perlongum* Nash, Long-panicled panic grass.
- ~~(152)~~(151) *Panicum philadelphicum* Bernh., Philadelphia panic grass.
- ~~(153)~~(152) *Panicum praecocius* Hitchc. & Chase, Early panic grass.
- ~~(154)~~(153) *Panicum scoparium* Lam., Velvet panic grass.
- ~~(155)~~(154) *Panicum spretum* Schultes, Narrow-headed panic grass.
- ~~(156)~~(155) *Panicum villosissimum* Nash, Villous panic grass.
- ~~(157)~~(156) *Parmotrema madagascariaceum* (Hue) Hale, Madagascar ruffle lichen.
- ~~(158)~~(157) *Paxistima canbyi* A. Gray, Cliff-green.
- ~~(159)~~(158) *Persicaria setacea* (Baldw.) Small, Bristly smartweed.
- ~~(160)~~(159) *Phacelia dubia* (L.) Trel., Small-flowered scorpion-weed.

- (~~161~~)(160) *Phacelia ranunculacea* (Nutt.) Constance, Blue scorpion-weed.
- (~~162~~)(161) *Phaeophyscia leana* (Tuck.) Essl., Lea's shadow lichen.
- (~~163~~)(162) *Philonotis fontana* (Hedw.) Brid. var. *caespitosa* (Jur.) Limpr., Tufted moisture-loving moss.
- (~~164~~)(163) *Phlox latifolia* Michx., Mountain phlox.
- (164) *Piptochaetium avenaceum* (L.) Parodi, Black-seeded needle grass.
- (165) *Pityopsis graminifolia* (Michx.) Nutt., Silk-grass.
- (166) *Placidium* ~~lachneum~~ squamulosum (Ach.) Breuss, Brown stipple-scale.
- (167) *Plantago cordata* Lam., Heart-leaved plantain.
- (168) *Plantago patagonica* Jacq., Woolly plantain.
- (169) *Platanthera blephariglottis* (Willd.) Lindl., White fringed orchid.
- (~~170~~) *Platanthera psycodes* (L.) Lindl., ~~Small purple fringed orchid.~~
- (~~171~~)(170) *Pluchea camphorata* (L.) DC., Camphor-weed.
- (~~172~~)(171) *Poa saltuensis* Fern. & Wieg., Pasture blue grass.
- (~~173~~)(172) *Poa wolfii* Scribn., Wolf's blue grass.
- (~~174~~)(173) *Podostemum ceratophyllum* Michx., Riverweed.
- (~~175~~)(174) *Pohlia elongata* Hedw. var. *elongata*, Narrow-necked Pohl's moss.
- (~~176~~)(175) *Polygala cruciata* L., Cross-leaved milkwort.
- (~~177~~) *Polygala curtissii* A. Gray, ~~Curtiss' milkwort.~~
- (~~178~~)(176) *Polygala incarnata* L., Pink milkwort.

- ~~(179)~~(177) *Polygala paucifolia* Willd., Gay-wings.
- ~~(180)~~(178) *Populus balsamifera* L., Balsam poplar.
- ~~(181)~~ *Potamogeton friesii* Rupr., Fries' pondweed.
- ~~(182)~~(179) *Potamogeton gramineus* L., Grass-like pondweed.
- ~~(183)~~(180) *Potamogeton hillii* Morong, Hill's pondweed.
- ~~(184)~~(181) *Potamogeton praelongus* Wulfen, White-stemmed pondweed.
- ~~(185)~~(182) *Potamogeton pulcher* Tuckerman, Spotted pondweed.
- ~~(186)~~(183) *Potamogeton robbinsii* Oakes, Robbins' pondweed.
- ~~(187)~~(184) *Potentilla arguta* Pursh, Tall cinquefoil.
- ~~(188)~~(185) *Prenanthes aspera* Michx., Rough rattlesnake-root.
- ~~(189)~~(186) *Prenanthes trifoliolata* (Cass.) Fern., Gall-of-the-earth.
- ~~(190)~~(187) *Prunus nigra* Aiton, Canada Plum.
- ~~(191)~~(188) *Prunus pumila* L. var. *cuneata* (Raf.) L. H. Bailey, Sand cherry.
- ~~(192)~~(189) *Pseudognaphalium macounii* (Greene) Kartesz, Winged cudweed.
- ~~(193)~~(190) *Pteridium aquilinum* var. *pseudocaudatum* (Clute) Heller, Tailed bracken.
- ~~(194)~~(191) *Punctelia perreticulata* (Rasanen) Wilhelm & Ladd, Reticulate speckled shield lichen.
- ~~(195)~~(192) *Pyrola chlorantha* Sw., Green-flowered wintergreen.
- (193) *Ramalina farinacea* (L.) Ach., Dotted ramalina.
- ~~(196)~~(194) *Ramalina intermedia* Nyl., Rock ramalina.

- ~~(197)~~(195) *Ranunculus pusillus* Poir., Low spearwort.
- ~~(198)~~(196) *Rhododendron calendulaceum* (Michx.) Torr., Flame azalea.
- ~~(199)~~ *Rhododendron nudiflorum* (L.) Torr. var. *nudiflorum*, Pinxter flower.
- ~~(200)~~(197) *Rhynchospora recognita* (Gale) Kral, Tall grass-like beak-rush.
- ~~(201)~~(198) *Ribes triste* Pallas, Swamp red currant.
- ~~(202)~~(199) *Rubus trivialis* Michx., Southern dewberry.
- ~~(203)~~(200) *Saccharum alopecuroides* (L.) Nutt., Silver plume grass.
- ~~(204)~~(201) *Sagina decumbens* (Ell.) T. & G., Southern pearlwort.
- ~~(205)~~(202) *Sagittaria graminea* Michx., Grass-leaved arrowhead.
- ~~(206)~~(203) *Sagittaria platyphylla* (Engelm.) J.G. Sm., Elliptic-leaved arrowhead.
- ~~(207)~~(204) *Salix pedicellaris* Pursh, Bog willow.
- ~~(208)~~(205) *Scheuchzeria palustris* L., Scheuchzeria.
- ~~(209)~~ *Schizachne purpurascens* (Torr.) Swallen, False melic.
- ~~(210)~~(206) *Schizachyrium littorale* Gould, Coastal little bluestem.
- ~~(211)~~(207) *Schoenoplectus americanus* (Pers.) Volk. ex Schinz & R. Keller, Olney's three-square.
- (208) *Schoenoplectus saximontanus* (Fernald) J. Raynal, Rocky Mountain bulrush.
- ~~(212)~~(209) *Schoenoplectus smithii* (Gray) Soják, Smith's bulrush.
- ~~(213)~~(210) *Schoenoplectus subterminalis* (Torr.) Soják, Swaying-rush.
- ~~(214)~~(211) *Schoenoplectus torreyi* (Olney) Palla, Torrey's bulrush.

- ~~(215) Scleria oligantha Michx., Tubercled nut-rush.~~
- ~~(216)~~(212) *Silene nivea* (Nutt.) Otth., Snowy Champion.
- ~~(217)~~(213) *Silphium laciniatum* L., Compass-plant.
- ~~(218)~~(214) *Sisyrinchium atlanticum* Bickn., Atlantic blue-eyed-grass.
- ~~(219)~~(215) *Sisyrinchium mucronatum* Michx., Narrow-leaved blue-eyed-grass.
- ~~(220)~~(216) *Smilax pulverulenta* Michx., Downy carrion-flower.
- ~~(221)~~(217) *Solidago puberula* Nutt., Dusty goldenrod.
- ~~(222)~~(218) *Solidago sphacelata* Raf., False goldenrod.
- ~~(223)~~(219) *Sorbus decora* (Sarg.) C. K. Schneider, Western mountain-ash.
- ~~(224)~~(220) *Sparganium emersum* Rehm., Small bur-reed.
- ~~(225) Sphagnum bartlettianum Warnst., Bartlett's peat moss.~~
- ~~(226)~~(221) *Sphagnum riparium* Angstr., Shore-growing peat moss.
- ~~(227)~~(222) *Spiraea virginiana* Britt., Appalachian spiraea.
- ~~(228)~~(223) *Spiranthes romanzoffiana* Cham., Hooded ladies'-tresses.
- ~~(229)~~(224) *Streptopus lanceolatus* (Ait.) Reveal, Rose twisted-stalk.
- ~~(230) Symphyotrichium dumosum (L.) G. L. Nesom, Bushy aster.~~
- ~~(231)~~(225) *Tetranneuris herbacea* Greene, Lakeside daisy.
- ~~(232)~~(226) *Thuidium allenii* Austin, Allen's fern moss.
- ~~(233)~~(227) *Tomentypnum nitens* (Hedw.) Loeske, Fuzzy hypnum moss.
- ~~(234)~~(228) *Tortella inclinata* (R. Hedw.) Limpr., Curved tortella.

- ~~(235)~~(229) *Toxicodendron rydbergii* (Small) Greene, Northern poison-ivy.
- ~~(236)~~ *Triadenum walteri* (S. G. Gmelin) Gleason, ~~Walter's St. John's wort.~~
- ~~(237)~~(230) *Trichomanes boschianum* Sturm, Appalachian filmy fern.
- ~~(238)~~(231) *Trichostema dichotomum* L. var. *lineare* (Walt.) Pursh, Narrow-leaved bluecurls.
- ~~(239)~~(232) *Trifolium reflexum* L., Buffalo clover.
- ~~(240)~~(233) *Trifolium stoloniferum* Muhl. ex A. Eaton, Running buffalo clover.
- ~~(241)~~(234) *Trillium undulatum* Willd., Painted trillium.
- ~~(242)~~(235) *Trollius laxus* Salisb., Spreading globeflower.
- ~~(243)~~(236) *Urtica chamaedryoides* Pursh, Spring nettle.
- ~~(244)~~(237) *Utricularia cornuta* Michx., Horned bladderwort.
- ~~(245)~~(238) *Utricularia geminiscapa* Benj., Two-scaped bladderwort.
- ~~(246)~~(239) *Vaccinium myrtilloides* Michx., Velvet-leaved blueberry.
- ~~(247)~~(240) *Valeriana ciliata* T. & G., Prairie valerian.
- ~~(248)~~(241) *Verbesina occidentalis* (L.) Walt., Yellow crown-beard.
- ~~(249)~~(242) *Vernonia missurica* Raf., Missouri ironweed.
- ~~(250)~~(243) *Viburnum opulus* L. var. *americanum* Ait., Highbush-cranberry.
- ~~(251)~~(244) *Viola missouriensis* Greene, Missouri violet.
- ~~(252)~~(245) *Viola nephrophylla* Greene, Northern bog violet.
- ~~(253)~~(246) *Viola pedatifida* G. Don, Prairie violet.

~~(254)~~(247) *Viola primulifolia* L., Primrose-leaved violet.

~~(255)~~ *Viola tripartita* Ell. var. *glaberima* (Ging.) Harper, Wedge-leaved violet.

~~(256)~~(248) *Weissia sharpii* Anderson & Lemon, Sharp's green-cushioned moss.

~~(257)~~(249) *Xanthoria elegans* (Link) Th. Fr., Elegant sunburst lichen.

~~(258)~~(250) *Xyris difformis* Chapm., Variable yellow-eyed-grass.

(B) The following species of plants are designated as threatened in Ohio.

(1) *Actaea rubra* (Ait.) Willd., Red baneberry.

(2) *Adlumia fungosa* (Ait.) Greene, Mountain-fringe.

(3) *Agalinis gattingeri* (Small) Small, Gattinger's-foxtail.

(4) *Ammophila breviligulata* Fern., American beach grass.

(5) *Androsace occidentalis* Pursh, Western rock-jasmine.

(6) *Anemone cylindrica* A. Gray, Prairie thimbleweed.

(7) *Antennaria virginica* Stebbins, Shale barren pussy-toes.

~~(8)~~ *Arabis lyrata* L., Lyre-leaved rock cress.

~~(9)~~(8) *Armoracia lacustris* (A. Gray) Al-Shehbaz & V. Bates, Lake cress.

~~(10)~~(9) *Artemisia campestris* L., Beach wormwood.

~~(11)~~ *Aselepias variegata* L., White milkweed.

~~(12)~~ *Asplenium bradleyi* D. C. Eaton, Bradley's spleenwort.

~~(13)~~(10) *Asplenium ruta-muraria* L., Wall-rue.

~~(14)~~ *Astragalus canadensis* L., Canada milk-vetch.

- (15)(11) *Betula pumila* L., Swamp birch.
- (12) *Botrychium lanceolatum* (S.G. Gmelin) Angstrom, Triangle grape fern.
- (16)(13) *Buchnera americana* L., Bluehearts.
- (14) *Buxbaumia aphylla* Hedw., Bug-on-a-stick.
- (17)(15) *Calamagrostis porteri* Gray. ssp. *insperata* (Swallen) C. W. Greene,
Bartley's reed grass.
- (18)(16) *Calamintha arkansana* (Nutt.) Shinnery, Limestone savory.
- (19)(17) *Callitriche verna* L., Vernal water-starwort.
- (20)(18) *Calopogon tuberosus* (L.) BSP, Grass-pink.
- (21)(19) *Campanula rotundifolia* L. Harebell.
- (22) ~~*Canoparmelia texana* (Tuck.) Elix & Hale, Texas shield lichen.~~
- (23) ~~*Carex albolutescens* Schwein., Pale straw sedge.~~
- (20) *Carex argyrantha* Tuck., Silvery sedge.
- (24) ~~*Carex aurea* Nutt., Golden fruited sedge.~~
- (25)(21) *Carex bicknellii* Britt., Bicknell's sedge.
- (26)(22) *Carex brevior* (Dewey) Mackenzie ex Lunell, Tufted fescue sedge.
- (23) *Carex bushii* Mackenzie, Bush's sedge.
- (27) ~~*Carex cephaloidea* Dewey, Thin leaved sedge.~~
- (28)(24) *Carex conoidea* Willd., Field sedge.
- (29)(25) *Carex crinita* Lam. var. *brevicrinis* Fernald, Short-fringed sedge.
- (26) *Carex diandra* Schrank, Lesser panicled sedge.
- (30) ~~*Carex mesochorea* Mackenzie, Midland sedge.~~

- ~~(31)~~(27) *Carex oligosperma* Michx., Few-seeded sedge.
- ~~(32)~~ *Carex pallescens* L., Pale sedge.
- ~~(33)~~(28) *Carex projecta* Mackenzie, Necklace sedge.
- ~~(34)~~(29) *Carex purpurifera* Mackenzie, Purple wood sedge.
- ~~(35)~~ *Carex siccata* Dewey, Hay sedge.
- ~~(36)~~(30) *Carex sprengelii* Dewey ex Sprengel, Sprengel's sedge.
- ~~(37)~~(31) *Carex timida* Naczi & B. A. Ford, Timid sedge.
- ~~(38)~~(32) *Chimaphila umbellata* (L.) Bart., Pipsissewa.
- ~~(39)~~(33) *Chrysogonum virginianum* L., Golden-knees.
- ~~(40)~~(34) *Cirsium carolinianum* (Walt.) Fern. & Schub., Carolina thistle.
- ~~(41)~~(35) *Clintonia umbellulata* (Michx.) Morong, Speckled wood-lily.
- ~~(42)~~ *Conyza ramosissima* Cronq., Bushy horseweed.
- ~~(43)~~(36) *Cuscuta glomerata* Choisy, Glomerate dodder.
- ~~(44)~~(37) *Cuscuta pentagona* Engelm., Five-angled dodder.
- ~~(45)~~(38) *Cyperus acuminatus* Torrey & Hooker, Pale umbrella-sedge.
- ~~(46)~~(39) *Cyperus schweinitzii* Torr., Schweinitz' umbrella-sedge.
- ~~(47)~~(40) *Cypripedium reginae* Walt., Showy lady's-slipper.
- ~~(48)~~ *Deschampsia flexuosa* (L.) Trin., Crinkled hair grass.
- ~~(49)~~(41) *Desmodium sessilifolium* (Torr.) T. & G., Sessile tick-trefoil.
- ~~(50)~~(42) *Dibaeis absoluta* (Tuck.) Kalb & Gierl, Pink dot lichen.

- ~~(51)~~(43) *Draba cuneifolia* Nutt., Wedge-leaved whitlow-grass.
- ~~(52)~~(44) *Draba reptans* (Lam.) Fern., Carolina whitlow-grass.
- ~~(53)~~ *Drosera intermedia* Hayne, ~~Spathulate-leaved sundew.~~
- (45) *Echinodorus berteroi* (Spreng.) Fassett, Burhead.
- ~~(54)~~ *Eleocharis compressa* Sullivant, ~~Flat-stemmed spike-rush.~~
- ~~(55)~~(46) *Eleocharis flavescens* (Poir.) Urban, Green spike-rush.
- ~~(56)~~(47) *Eleocharis quinqueflora* (Hartmann) O. Schwartz, Few-flowered spike-rush.
- ~~(57)~~(48) *Eleocharis tenuis* (Willd.) Schult., Slender spike-rush.
- ~~(58)~~(49) *Elymus trachycaulus* (Link) Gould, Bearded wheat grass.
- ~~(59)~~(50) *Epilobium strictum* Muhl., Simple willow-herb.
- ~~(60)~~(51) *Euthamia remota* Greene, Great Lakes goldenrod.
- ~~(61)~~(52) *Galium labradoricum* Wieg., Bog bedstraw.
- ~~(62)~~(53) *Gentiana alba* Muhl., Yellowish gentian.
- ~~(63)~~(54) *Glyceria acutiflora* Torr., Sharp-glumed manna grass.
- (55) *Gratiola virginiana* L., Round-fruited hedge-hyssop.
- ~~(64)~~(56) *Gratiola viscidula* Pennell, Short's hedge-hyssop.
- ~~(65)~~ *Helianthemum bicknellii* Fern., ~~Plains frostweed.~~
- ~~(66)~~(57) *Helianthemum canadense* (L.) Michx., Canada frostweed.
- ~~(67)~~(58) *Helianthus mollis* Lam., Ashy sunflower.
- ~~(68)~~ *Hesperostipa spartea* (Trin.) Barkworth, ~~Porcupine grass.~~

- ~~(69)~~(59) *Heuchera parviflora* Bartling, Small-flowered alum-root.
- ~~(70)~~(60) *Hieracium umbellatum* L., Canada hawkweed.
- ~~(71)~~(61) *Hypericum boreale* (Britt.) Bickn., Northern St. John's-wort.
- ~~(72)~~(62) *Hypericum ellipticum* Hook., Few-flowered St. John's-wort.
- ~~(73)~~(63) *Hypericum kalmianum* L., Kalm's St. John's-wort.
- ~~(74)~~(64) *Iris brevicaulis* Raf., Leafy blue flag.
- (65) *Iris verna* L., Dwarf iris.
- ~~(75)~~(66) *Juncus diffusissimus* Buckley, Diffuse rush.
- ~~(76)~~(67) *Juncus greenei* Oakes & Tuckerman, Greene's rush.
- ~~(77)~~(68) *Juncus secundus* Beauv., One-sided rush.
- ~~(78)~~(69) *Krigia dandelion* (L.) Nutt., Potato-dandelion.
- (70) *Krigia virginica* (L.) Willd., Dwarf dandelion.
- ~~(79)~~(71) *Lathyrus japonicus* Willd., Inland beach pea.
- ~~(80)~~(72) *Leavenworthia uniflora* (Michx.) Butl., Michaux's leavenworthia.
- ~~(81)~~(73) *Lechea minor* L., Thyme-leaved pinweed.
- ~~(82)~~(74) *Lechea pulchella* Raf., Leggett's pinweed.
- ~~(83)~~(75) *Liatris cylindracea* Michx., Slender blazing-star.
- ~~(84)~~(76) *Lipocarpa micrantha* (Vahl) G. Tucker, Dwarf bulrush.
- ~~(85)~~(77) *Lithospermum caroliniense* (Walt.) MacM., Plains puccoon.

- ~~(86)~~(78) *Luzula bulbosa* (Wood) Rydb., Southern woodrush.
- ~~(87)~~(79) *Magnolia tripetala* L., Umbrella magnolia.
- ~~(88)~~(80) *Melampyrum lineare* Desr., Cow-wheat.
- ~~(89)~~(81) *Melanthium virginicum* L., Bunchflower.
- ~~(90)~~(82) *Melanthium woodii* (J.W. Robbins ex Wood) Bodkin, Wood's-hellebore.
- ~~(91)~~(83) *Melica nitens* (Scribn.) Nutt. ex Piper, Three-flowered melic.
- ~~(92)~~(84) *Menyanthes trifoliata* L., Buckbean.
- ~~(93)~~(85) *Myriophyllum sibiricum* Komarov, American water-milfoil.
- ~~(94)~~(86) *Nothoscordum bivalve* (L.) Britt., False garlic.
- ~~(95)~~ *Orbexilum pedunculatum* (P.Mill.) Rydb., ~~False scurf-pea.~~
- ~~(96)~~(87) *Oryzopsis asperifolia* Michx., Large-leaved mountain-rice.
- ~~(97)~~(88) *Packera paupercula* (Michx.) A. Löve & D. Löve, Balsam squaw-weed.
- ~~(98)~~(89) *Panicum bicknellii* Nash, Bicknell's panic grass.
- ~~(99)~~(90) *Panicum leibergii* (Vasey) Scribn., Leiberg's panic grass.
- ~~(100)~~(91) *Panicum lindheimeri* Nash, Lindheimer's panic grass.
- ~~(101)~~(92) *Panicum meridionale* Ashe, Southern hairy panic grass.
- ~~(102)~~(93) *Panicum tuckermanii* Fern., Tuckerman's panic grass.
- ~~(103)~~ *Panicum verrucosum* Muhl., ~~Warty panic grass.~~
- ~~(104)~~(94) *Panicum yadkinense* Ashe, Spotted panic grass.
- (95) *Paspalum repens* (Ell.) Kunth, Riverbank paspalum.

- (96) Passiflora incarnata L., Maypop.
- ~~(105)~~(97) Penstemon canescens (Britt.) Britt., Gray beard-tongue.
- ~~(106)~~(98) Penstemon pallidus Small, Downy white beard-tongue.
- (99) Persicaria robustior (Small) Fernald, Course smartweed.
- ~~(107)~~(100) Phragmites australis (Cav.) Trin. ex Steud. ssp. americanus - Saltonstall, P.M. Peterson & Soreng, American reed grass.
- ~~(108)~~(101) Phyllanthus caroliniensis Walt., Carolina leaf-flower.
- ~~(109)~~(102) Plagiothecium latebricola BSG, Lurking leskea.
- ~~(110)~~(103) Platanthera ciliaris (L.) Lindl., Yellow fringed orchid.
- ~~(111)~~(104) Platanthera leucophaea (Nutt.) Lindl., Prairie fringed orchid.
- (105) Platanthera psycodes (L.) Lindl., Small purple fringed orchid.
- ~~(112)~~(106) Pleopeltis polypodioides (L.) Andrews & Windham, Little gray polypody.
- ~~(113)~~(107) Pogonia ophioglossoides (L.) Ker, Rose pogonia.
- ~~(114)~~(108) Polygala polygama Walt., Racemed milkwort.
- (109) Porteranthus trifoliatus (L.) Britton, Bowman's-root.
- ~~(115) Potamogeton tennesseensis Fern., Tennessee pondweed.~~
- (110) Potamogeton zosteriformis Fern., Flat-stemmed pondweed.
- ~~(116)~~(111) Potentilla paradoxa Nutt., Bushy cinquefoil.
- ~~(117) Prenanthes racemosa Michx., Prairie rattlesnake-root.~~
- ~~(118)~~(112) Prosartes maculata (Buckley) A. Gray, Nodding mandarin.
- ~~(119)~~(113) Pycnanthemum verticillatum (Michx.) Pers. var. pilosum (Nutt.)

Cooperrider, Hairy mountain-mint.

~~(120)~~(114) *Quercus falcata* Michx., Spanish oak.

~~(121)~~(115) *Ramalina pollinaria* (Westr.) Ach., Chalky ramalina.

(116) *Ranunculus fascicularis* Muhl., Early buttercup.

~~(122)~~(117) *Rhododendron maximum* L., Great rhododendron.

(118) *Rhododendron periclymenoides* (Michx.) Shinnery, Pinxter-flower.

~~(123)~~(119) *Ribes missouriense* Nutt., Missouri gooseberry.

~~(124)~~(120) *Rosa blanda* Aiton, Smooth rose.

~~(125)~~(121) *Sagittaria cuneata* Sheldon, Wapato.

~~(126)~~ *Salix candida* Fluegge, Hoary willow.

~~(127)~~(122) *Salix petiolaris* Sm., Slender willow.

(123) *Schizachne purpurascens* (Torr.) Swallen, False melic.

~~(128)~~(124) *Sericocarpus linifolius* (L.) B. S. P., Narrow-leaved aster.

~~(129)~~(125) *Silene caroliniana* Walt. subsp. *pennsylvanica* (Michx.) Clausen,
Carolina catchfly.

~~(130)~~(126) *Silene caroliniana* Walt. subsp. *wherryi* (Small) Clausen, Wherry's
catchfly.

~~(131)~~(127) *Silene regia* Sims, Royal catchfly.

~~(132)~~(128) *Sisyrinchium montanum* Greene, Northern blue-eyed-grass.

~~(133)~~(129) *Solidago odora* Ait., Sweet goldenrod.

~~(134)~~(130) *Solidago squarrosa* Muhl., Leafy goldenrod.

- ~~(135)~~(131) *Sparganium androcladum* (Engelm.) Morong, Keeled bur-reed.
- ~~(136)~~(132) *Sphenopholis obtusata* (Michx.) Scribn. var. *obtusata*, Prairie wedge grass.
- ~~(137)~~(133) *Sporobolus heterolepis* (A. Gray) A. Gray, Prairie dropseed.
- ~~(138)~~(134) ~~*Symphotrichium*~~ *Symphotrichum* *drummondii* (Lindl.) G. L. Nesom, Drummond's aster.
- (135) *Symphotrichum dumosum* (L.) G. L. Nesom, Bushy aster.
- ~~(139)~~(136) ~~*Symphotrichium*~~ *Symphotrichum* *oblongifolium* (Nutt.) G. L. Nesom, Shale barren aster.
- ~~(140)~~(137) *Triadenum tubulosum* (Walter) Gleason, Large marsh St. John's-wort.
- (138) *Triadenum walteri* (S. G. Gmelin) Gleason, Walter's St. John's-wort.
- ~~(141)~~(139) *Triantha glutinosa* (Michx.) Baker, False asphodel.
- ~~(142)~~(140) *Triglochin maritimum* L., Seaside arrow-grass.
- ~~(143)~~(141) *Trillium recurvatum* Beck, Prairie wake-robin.
- ~~(144)~~ *Ulmus thomasii* Sarg., Rock elm.
- ~~(145)~~(142) *Utricularia intermedia* Hayne, Flat-leaved bladderwort.
- ~~(146)~~(143) *Utricularia minor* L., Lesser bladderwort.
- ~~(147)~~(144) *Vaccinium oxycoccos* L., Small cranberry.
- (145) *Vernonia fasciculata* Michx., Prairie ironweed.
- (146) *Viburnum alnifolium* Marsh., Hobblebush.
- ~~(148)~~(147) *Viburnum molle* Michx., Soft-leaved arrow-wood.
- ~~(149)~~(148) *Viola pedata* L., Birdfoot violet.

(149) Viola tripartita Ell. var. glaberrima (Ging.) Harper, Wedge-leaved violet.

(150) Viola walteri House, Walter's violet.

~~(151) Wolffia gladiata (Hegelm.) Hegelm., Wolffia.~~

~~(152)~~(151) Xyris torta Sm., Twisted yellow-eyed-grass.

~~(153)~~(152) Zizania aquatica L., Wild rice.

Effective:

R.C. 119.032 review dates: 03/25/2010

Certification

Date

Promulgated Under: 119.03
Statutory Authority: 1518.01
Rule Amplifies: 1518.01
Prior Effective Dates: 7-14-80, 3-29-82, 4-27-84, 7-18-86, 7-11-88, 9-24-90,
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