

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) *Adlumia fungosa* (Ait.) Greene, Allegheny-vine.
- ~~(4)~~ ~~*Anagallis minima* (L.) E.H.L. Krause, Chaffweed.~~
- (5) *Agalinis auriculata* (Michx.) Blake, Ear-leaved-foxglove.
- (6) *Agalinis purpurea* (L.) Pennell var. *parviflora* (Benth.) Boivin, Small purple-foxglove.
- (7) *Agalinis skinneriana* (Wood) Britt., Skinner's-foxglove.
- (8) *Ageratina aromatica* (L.) Spach, Small white snakeroot.
- (9) *Agrostis elliotiana* Schultes, Elliott's bent grass.
- (10) *Amelanchier humilis* Wiegand, Low serviceberry.
- (11) *Amelanchier interior* E.L. Nielsen, Inland serviceberry.
- (12) *Amphidium mougeotii* (Bruch, Schimper & W. Gümbel) Schimper, Mougeot's ice moss.
- ~~(12)~~(13) *Andropogon glomeratus* (Walter) Britton, Bushy broom-sedge.
- ~~(13)~~(14) *Androsace occidentalis* Pursh, Western rock-jasmine.
- ~~(14)~~(15) *Anomobryum filiforme* (Dicks.) Solms, Common silver moss.
- ~~(15)~~(16) *Anomodon viticulosus* (Hedw.) Hook. & Taylor, Long tail moss.
- ~~(16)~~(17) *Arabidopsis lyrata* (L.) O'Kane & Al-Shehbaz, Lyre-leaved rock cress.
- ~~(17)~~(18) *Arabis patens* Sullivant, Spreading rock cress.
- ~~(18)~~(19) *Arctostaphylos uva-ursi* (L.) Spreng., Bearberry.

- ~~(19)~~(20) *Aralia hispida* Vent., Bristly sarsaparilla.
- ~~(20)~~(21) *Arethusa bulbosa* L., Dragon's-mouth.
- ~~(21)~~(22) *Aristida basiramea* Engelm. ex Vasey, Forked Three-awn grass.
- ~~(22)~~(23) *Aristida necopina* Shinnery, False arrow-feather.
- ~~(23)~~(24) *Aronia arbutifolia* (L.) Pers., Red chokeberry.
- ~~(24)~~(25) *Asplenium bradleyi* D.-C. Eaton, Bradley's spleenwort.
- ~~(25)~~(26) *Astragalus neglectus* (T. & G.) Sheld., Cooper's milk-vetch.
- ~~(26)~~(27) *Aureolaria pedicularia* (L.) Raf. var. *ambigens* (Fern.) Farwell, Prairie fern-leaved false foxglove.
- ~~(27)~~(28) *Aureolaria pedicularia* (L.) Raf. var. *pedicularia*, Woodland fern-leaved false foxglove.
- ~~(28)~~(29) *Baptisia australis* (L.) R. Br., Blue false indigo.
- ~~(29)~~(30) *Barbula indica* (Hooker) Sprengel in E.G. Steudel, Twisted teeth moss.
- ~~(30)~~(31) *Boechera stricta* (Graham) Al-Shehbaz, Drummond's rock cress.
- ~~(31)~~(32) *Borodinia missouriensis* (Green) P.J. Alexander & Windham, Missouri rock cress.
- ~~(32)~~(33) *Botrychium simplex* E. Hitchc., Least grape fern.
- ~~(33)~~ *Canoparmelia amabilis* (Nyl.) Heiman & Elix, Obed shield lichen.
- (34) *Calamovilfa longifolia* (Hook.) Scribn. var. *manga* Scribn. & Merr., Sand reed.
- (35) *Callitriche palustris* N.L. Britton & A. Brown, Vernal water-starwort.
- (36) *Capnoides sempervirens* (L.) Borkh., Rock-harlequin.
- ~~(34)~~(37) *Canoparmelia caroliniana* (Nyl.) Elix & Hale, Carolina shield lichen.
- ~~(35)~~(38) *Carex alopecoidea* Tuckerman, Northern fox sedge.
- ~~(36)~~ *Carex aretata* Boott, Drooping wood sedge.
- ~~(37)~~(39) *Carex decomposita* Muhl., Cypress-knee sedge.

- ~~(38)~~(40) *Carex disperma* Dewey, Two-seeded sedge.
- ~~(39)~~(41) *Carex echinata* Murray, Little prickly sedge.
- ~~(40)~~(42) *Carex formosa* Dewey, Handsome sedge.
- ~~(41)~~(43) *Carex garberi* Fern., Garber's sedge.
- ~~(42)~~(44) *Carex gigantea* Rudge, Large sedge.
- ~~(43)~~(45) *Carex gynandra* Schwein., Nodding sedge.
- ~~(44)~~(46) *Carex limosa* L., Mud sedge.
- ~~(45)~~(47) *Carex longii* Mackenzie, Long's sedge.
- ~~(46)~~(48) *Carex lucorum* Willd., Fire sedge.
- ~~(47)~~(49) *Carex merritt-fernaldii* Mack., Fernald's sedge.
- ~~(48)~~(50) *Carex mitchelliana* M.A. Curtis, Mitchell's sedge.
- (51) *Carex projecta* Mackenzie, Necklace sedge.
- ~~(49)~~(52) *Carex pseudocyperus* L., Northern bearded sedge.
- ~~(50)~~(53) *Carex siccata* Dewey, Hay sedge.
- ~~(51)~~ *Carex striatula* Michx., ~~Lined sedge.~~
- ~~(52)~~(54) *Ceanothus herbaceus* Desf., Prairie Redroot.
- ~~(53)~~(55) *Celtis laevigata* Willd., Sugarberry.
- (56) *Chamaenerion angustifolium* (L.) Scop., Fireweed.
- (57) *Chimaphila umbellata* (L.) Bart., Pipsissewa.
- ~~(54)~~(58) *Cinna latifolia* (Trev.) Griseb., Northern wood-reed.
- ~~(55)~~(59) *Clintonia borealis* (Ait.) Raf., Bluebead-lily.
- ~~(56)~~(60) *Clintonia umbellulata* (Michx.) Morong, Speckled wood-lily.
- ~~(57)~~(61) *Coeloglossum viride* (L.) Hartman, Long-bracted orchid.

- ~~(58) Collema bachmanianum (Fink) Degel., Bachman's jelly lichen.~~
- ~~(59) Collema coccophorum Tuck., Tar jelly lichen.~~
- ~~(60)~~(62) Collema conglomeratum Hoffm., Dotted jelly lichen.
- ~~(61) Collema fuscovirens (With.) Laundon, Dusky jelly lichen.~~
- ~~(62)~~(63) Collinsonia verticillata Baldw., Early stoneroot.
- ~~(63)~~(64) Comptonia peregrina (L.) Coult., Sweet-fern.
- ~~(64)~~(65) Corallorhiza trifida Chatelain, Early coral-root.
- (66) Crataegus pennsylvanica Ashe, Pennsylvania hawthorn.
- ~~(65) Cornus canadensis L., Bunchberry.~~
- ~~(66)~~(67) Croton willdenowii G.L. Webster, Willdenow's croton.
- ~~(67)~~(68) Cuscuta compacta Juss. ex Choisy, Sessile dodder.
- ~~(68)~~(69) Cuscuta cuspidata Engelm., Cuspidate dodder.
- ~~(69)~~(70) Cuscuta glomerata Choisy, Glomerate dodder.
- ~~(70)~~(71) Cuscuta indecora Choisy, Pretty dodder.
- ~~(71)~~(72) Cyperus lancastris Porter, Many-flowered umbrella-sedge.
- ~~(72)~~(73) Cyperus refractus Engelm., Reflexed umbrella-sedge.
- ~~(73)~~(74) Cyperus retrofractus (L.) Torrey, Rough umbrella-sedge.
- ~~(74) Cypripedium candidum Muhl. ex Willd., White lady's-slipper.~~
- (75) Cypripedium parviflorum Salisb. var. makasin (Farw.) Sheviak, Small yellow lady's-slipper.
- (76) Cyrtomium hymenophylloides (Hüb.) Nyholm ex T. Kop., Curved-capsuled thin-leaved moss.
- (77) Desmodium glabellum (Michx.) DC, Smooth tick-trefoil.
- (78) Dichanthelium commonsianum (Ashe) Freckmann, Common's panic grass.

- (79) *Dichanthelium perlongum* (Nash) Freckmann, Long-panicled panic grass.
- (80) *Dichanthelium praecocius* (Hitchc. & Chase) Mohlenbr., Early panic grass.
- (81) *Dichanthelium leibergii* (Vasey) Freckmann, Leiberg's panic grass.
- (82) *Dichanthelium scoparium* (Lam.) Gould, Velvet panic grass.
- (83) *Dichanthelium spretum* (Schult.) Freckmann, Narrow-headed panic grass.
- (84) *Dichelyma capillaceum* (With.) Myrin, Awned dichelyma moss.
- (85) *Diphyscium mucronifolium* Mitten in F. Dozy & J.H. Molkenboer, Cumberland grain o'wheat moss.
- (86) *Draba brachycarpa* Nutt., Little whitlow-grass.
- (87) *Drosera intermedia* Hayne, Spathulate-leaved sundew.
- (88) *Drymocallis arguta* (Pursh) Rydberg, Tall wood beauty.
- (89) *Dryopteris celsa* (W. Palmer) Knowlton, W. Palmer & Pollard, Log fern.
- (90) *Dryopteris clintoniana* (D.C. Eaton) Dowell, Clinton's wood fern.
- (91) *Dryopteris filix-mas* (L.) Schott, Male fern.
- (92) *Eleocharis engelmannii* Steud., Engelmann's spike-rush.
- (93) *Eleocharis geniculata* (L.) Roemer & Schultes, Bent spike-rush.
- (94) *Eleocharis macrostachya* Britt. in J.K. Small, Pale spike-rush.
- (95) *Eleocharis ovata* (Roth) Roemer & Schultes, Ovate spike-rush.
- (96) *Eleocharis parvula* (Roemer & Schultes) Link, Least spike-rush.
- (97) *Eleocharis robbinsii* Oakes, Robbins' spike-rush.
- (98) *Eleocharis wolfii* A. Gray, Wolf's spike-rush.
- (99) *Enchylium coccophorum* (Tuckerman) Otálora, Tar jelly lichen.
- (100) *Enchylium conglomeratum* (Hoffman) Otálora, Dotted jelly lichen.
- ~~(99) *Epilobium angustifolium* L., Fireweed.~~

- ~~(100)~~(101) *Equisetum variegatum* Schleicher, Variegated scouring-rush.
- ~~(101)~~(102) *Eriocaulon aquaticum* (Hill) Druce, White-buttons.
- ~~(102)~~(103) *Erysimum capitatum* (Douglas ex Hooker) Greene, Western wallflower.
- ~~(103)~~(104) *Erythronium rostratum* W. Wolf-, Golden-star.
- ~~(104)~~(105) *Eupatorium godfreyanum* Cronquist, Godfrey's thoroughwort.
- ~~(105)~~(106) *Eupatorium hyssopifolium* L., Hyssop thoroughwort.
- ~~(106)~~(107) *Euphorbia purpurea* (Raf.) Fern., Glade spurge.
- ~~(107)~~ *Euphorbia serpens* HBK., Round-leaved spurge.
- (108) *Eurybia surculosa* (Michx.) G.-L. Nesom, Creeping aster.
- (109) *Fallopia cilinodis* (Michx.) Holub, Mountain bindweed.
- (110) *Fissidens hyalinus* Wils. & Hook., Filmy fissidens.
- (111) *Forsstroemia producta* (Hornsch.) Par., Sullivant's bark moss.
- (112) *Galium labradoricum* Wieg., Bog bedstraw.
- (113) *Gentiana puberulenta* Pringle, Prairie gentian.
- (114) *Gentiana saponaria* L., Soapwort gentian.
- (115) *Gentiana villosa* L., Sampson's snakeroot.
- (116) *Geranium bicknellii* Britt., Bicknell's crane's-bill.
- (117) *Glyceria borealis* (Nash) ~~Butchelder~~Batchelder, Northern manna grass.
- (118) *Gymnocarpium dryopteris* (L.) Newman, Common oak fern.
- (119) *Hesperostipa spartea* (Trin.) Barkworth, Porcupine grass.
- (120) *Heteranthera reniformis* Ruiz & Pavon, Mud-plantain.
- (121) *Heuchera villosa* Michx., Hairy alum-root.
- (122) *Hieracium longipilum* Torr., Long-bearded hawkweed.

- (123) *Hieracium umbellatum* L., Canada hawkweed.
- (124) *Hottonia inflata* Elliott, Featherfoil.
- ~~(124)~~(125) *Hydrocotyle umbellata* L., Navelwort.
- ~~(125)~~(126) *Hypericum canadense* L., Canada St. John's-wort.
- ~~(126)~~(127) *Hypericum denticulatum* Walt., Coppery St. John's-wort.
- ~~(127)~~(128) *Hypericum gymnanthum* Engelm. & A. Gray, Least St. John's-wort.
- ~~(128)~~(129) *Hypnum pratense* (Rabenh.) W. Koch ex Spruce, Wrinkled-leaved marsh hypnum.
- ~~(129) *Isoetes engelmannii* A. Br., Engelmann's quillwort.~~
- (130) *Isotria medeoloides* (Pursh) Raf., Small whorled pogonia.
- (131) *Juncus dichotomus* Elliott, Flat-leaved rush.
- (132) *Juncus subcaudatus* (Engelm.) Coville & S.F. Blake, Woodland rush.
- (133) *Juniperus communis* L., Ground juniper.
- (134) *Koeleria macrantha* (Ledeb.) Schultes, June grass.
- (135) *Lathagrium fuscovirens* (With.) Otálora, Dusky jelly lichen.
- ~~(135)~~(136) *Lathyrus ochroleucus* Hook., Yellow vetchling.
- ~~(136)~~(137) *Lathyrus venosus* Muhl., Wild pea.
- ~~(137)~~(138) *Leersia lenticularis* Michx., Catchfly grass.
- ~~(138)~~(139) *Ligusticum canadense* (L.) Britt., American lovage.
- ~~(139)~~(140) *Lilium philadelphicum* L., Wood lily.
- ~~(140) *Linaria canadensis* (L.) Dumont, Old-field toadflax.~~
- (141) *Lipocarpha drummondii* (Nees) G. Tucker, Drummond's dwarf bulrush.
- (142) *Loeskeobryum brevirostre* (Brid.) Fleisch., Squarrose-tipped wood moss.
- (143) *Lycopodiella appressa* (Chapm.) Cranfill, Southern bog club-moss.

- (144) *Lycopodiella subappressa* J.-G. Bruce, W.-H. Wagner & Beitel, Northern appressed club-moss.
- (145) *Lycopodium lagopus* (Laest. ex C. Hartm.) Zinserl. ex Kuzen., One-coned club-moss.
- (146) *Magnolia macrophylla* Michx., Bigleaf magnolia.
- ~~(147) *Melampyrum lineare* Desr., Cow-wheat.~~
- ~~(148)~~(147) *Monarda punctata* L., Dotted horsemint.
- ~~(149)~~(148) *Mononeuria patula* (Michx.) Dillenb., Spreading sandwort.
- ~~(150)~~(149) *Muhlenbergia cuspidata* (Nutt.) Rydb., Plains muhlenbergia.
- ~~(151)~~(150) *Muhlenbergia glabrifloris* Scribn., Hair grass.
- (151) *Myrorrhiza riparia* (L. T. Collins) Weakley, Louisiana broom-rape.
- (152) *Myrica pensylvanica* Loisel., Northern Bayberry.
- (153) *Mysiophyllum sibiricum* Komarov, American water-milfoil.
- (154) *Nabalus trifoliolatus* Cassini, Gall-of-the-earth.
- (155) *Najas gracillima* (A. Braun) Magnus, Thread-like naiad.
- (156) *Neckera pennata* Hedw., Neckera moss.
- (157) *Neottia cordata* (L.) Richard, Heartleaf twayblade.
- (158) *Nuphar variegata* Durand, Bullhead-lily.
- (159) *Nuttallanthus canadensis* (L.) D.A. Sutton, Old-field toadflax.
- ~~(159)~~(160) *Oenothera clelandii* Dietrich, Raven & W.-L. Wagner, Cleland's evening-primrose.
- ~~(160)~~(161) *Ophioglossum engelmannii* Prantl, Limestone adder's-tongue.
- ~~(161) *Ophioglossum pusillum* Raf., Northern adder's-tongue.~~
- (162) ~~*Orobancha riparia* L. T. Collins, Louisiana broom-rape.~~
- ~~(163) *Oryzopsis asperifolia* Michx., Large-leaved mountain-rice.~~

- ~~(164)~~(163) *Oxalis montana* Raf., White wood-sorrel.
- ~~(165)~~(164) *Panicum tuckermanii* Fern., Tuckerman's panic grass.
- ~~(166)~~ *Parmotrema madagascariaceum* (Hue) Hale, Madagascar ruffle lichen.
- ~~(167)~~(165) *Paxistima canbyi* A. Gray, Cliff-green.
- ~~(168)~~(166) *Perideridea americana* (Nutt. ex DC.) Rchb., ~~Perideridia~~Eastern yampah.
- (167) *Persicaria careyi* (Olney) Greene., Carey's smartweed.
- ~~(169)~~(168) *Persicaria setacea* (Baldw.) Small, Bristly smartweed.
- ~~(170)~~(169) *Phacelia dubia* (L.) Trel., Small-flowered scorpion-weed.
- ~~(171)~~(170) *Phacelia covillei* S. Watson, Blue scorpion-weed.
- ~~(172)~~(171) *Phaeophyscia leana* (Tuck.) Essl., Lea's shadow lichen.
- ~~(173)~~(172) *Phlox latifolia* Michx., Mountain phlox.
- ~~(174)~~(173) *Piptochaetium avenaceum* (L.) Parodi, Black-seeded needle grass.
- ~~(175)~~(174) *Pityopsis graminifolia* (Michx.) Nutt., Silk-grass.
- ~~(176)~~(175) *Placidium squamulosum* (Ach.) Breuss, Brown stipple-scale.
- ~~(177)~~(176) *Plantago cordata* Lam., Heart-leaved plantain.
- ~~(178)~~(177) *Platanthera blephariglottis* (Willd.) Lindl., White fringed orchid.
- ~~(179)~~(178) *Pluchea camphorata* (L.) DC., Camphor-weed.
- ~~(180)~~(179) *Poa saltuensis* Fern. & Wieg., Pasture blue grass.
- ~~(181)~~(180) *Poa wolfii* Scribn., Wolf's blue grass.
- ~~(182)~~(181) *Podostemum ceratophyllum* Michx., Riverweed.
- ~~(183)~~(182) *Pohlia elongata* Hedw., Narrow-necked Pohl's moss.
- ~~(184)~~(183) *Polygala cruciata* L.; var. aquilonia (Fern.) B.G. Schubert, Cross-leaved milkwort.
- ~~(185)~~(184) *Polygala curtissii* Gray, Curtiss' milkwort.

- ~~(186)~~(185) *Polygala paucifolia* Willd., Gay-wings.
- ~~(187)~~(186) *Populus balsamifera* L., Balsam poplar.
- ~~(188)~~(187) *Potamogeton gramineus* L., Grass-like pondweed.
- ~~(189)~~(188) *Potamogeton hillii* Morong, Hill's pondweed.
- ~~(190)~~(189) *Potamogeton praelongus* Wulfen, White-stemmed pondweed.
- ~~(191)~~(190) *Potamogeton pulcher* Tuck., Spotted pondweed.
- ~~(192)~~(191) *Potamogeton robbinsii* Oakes, Robbins' pondweed.
- ~~(193)~~(192) *Prunus nigra* Aiton, Canada plum.
- ~~(194)~~(193) *Prunus pumila* L. var. *cuneata* (Raf.) L.-H. Bailey, Sand cherry.
- ~~(195)~~(194) *Pseudognaphalium macounii* (Greene) Kartesz, Winged cudweed.
- ~~(196)~~(195) *Pteridium aquilinum* var. *pseudocaudatum* (Clute) Heller, Tailed bracken.
- ~~(197)~~(196) *Punctelia perreticulata* (Rasanen) Wilhelm & Ladd, Reticulate speckled shield lichen.
- ~~(198)~~(197) *Pyrola chlorantha* Sw., Green-flowered wintergreen.
- ~~(199)~~(198) *Ramalina farinacea* (L.) Ach., Dotted ramalina.
- ~~(200)~~(199) *Ramalina intermedia* Nyl., Rock ramalina.
- (200) *Ranunculus ambigens* S. Wats., Water-plantain spearwort.
- (201) *Ranunculus pusillus* Poir., Low spearwort.
- (202) *Rhododendron calendulaceum* (Michx.) Torr., Flame azalea.
- (203) *Rhynchospora recognita* (Gale) Kral, Tall grass-like beak-rush.
- (204) *Ribes triste* Pallas, Swamp red currant.
- (205) *Rorippa aquatica* (Eaton) E.J. Palmer & Steyermark, Lake cress.
- ~~(205)~~(206) *Rubus dalibarda* L., Robin-run-away.
- (207) *Rubus fulleri* L.H. Bailey, Fuller's Dewberry.

- ~~(206)~~(208) *Rubus trivialis* Michx., Southern dewberry.
- (209) *Rusavskia elegans* (Link) S.Y. Kondr. & Kärnefelt, Elegant sunburst lichen.
- ~~(207)~~(210) *Saccharum alopecuroides* (L.) Nutt., Silver plume grass.
- ~~(208)~~(211) *Sagina decumbens* (Ell.) T. & G., Southern pearlwort.
- ~~(209)~~(212) *Sagittaria graminea* Michx., Grass-leaved arrowhead.
- ~~(210)~~(213) *Salix pedicellaris* Pursh, Bog willow.
- ~~(211)~~(214) *Sceptridium biternatum* (Sav.) Lyon, Sparse-lobed grape fern.
- ~~(212)~~(215) *Sceptridium multifidum* (Gmel.) Nishida, Leathery grape fern.
- ~~(213)~~(216) *Scheuchzeria palustris* L., ~~Scheuchzeria~~ Arrow-grass.
- ~~(214)~~ *Schizachne purpurascens* (Torr.) Swallen, ~~False melic.~~
- ~~(215)~~(217) *Schizachyrium littorale* Gould, Coastal little bluestem.
- ~~(216)~~(218) *Schoenoplectiella saximontana* (Fernald) Lye, Rocky Mountain bulrush.
- ~~(217)~~(219) *Schoenoplectiella hallii* (A. Gray) Lye, Hall's bulrush.
- ~~(218)~~(220) *Schoenoplectus americanus* (Pers.) Volk. ex Schinz & R. Keller, Olney's three-square.
- ~~(219)~~(221) *Schoenoplectus subterminalis* (Torr.) Soják, Swaying-rush.
- ~~(220)~~(222) *Schoenoplectus torreyi* (Olney) Palla, Torrey's bulrush.
- ~~(221)~~(223) *Silene nivea* (Nutt.) Otth., Snowy Champion.
- ~~(222)~~(224) *Silphium laciniatum* L., Compass-plant.
- ~~(223)~~(225) *Sisyrinchium atlanticum* Bickn., Atlantic blue-eyed-grass.
- ~~(224)~~(226) *Smilax pulverulenta* Michx., Downy carrion-flower.
- ~~(225)~~(227) *Solidago puberula* Nutt., Dusty goldenrod.
- ~~(226)~~(228) *Solidago speciosa* Nutt. var. *rigidiuscula* ~~Torrey~~ (Torr. & A. Gray) Porter,
Slender showy goldenrod.

- ~~(227)~~(229) *Solidago sphacelata* Raf., False goldenrod.
- ~~(228)~~(230) *Sorbus decora* (Sarg.) C.-K. Schneider, Northern mountain-ash.
- ~~(229)~~(231) *Sparganium emersum* Rehm., Small bur-reed.
- ~~(230)~~(232) *Sphagnum riparium* Angstr., Shore-growing peat moss.
- (233) *Sphenopholis obtusata* (Michx.) Scribn. var. *obtusata*, Prairie wedge grass.
- ~~(231)~~(234) *Spiraea virginiana* Britt., ~~Appalachian~~Virginia spiraea.
- ~~(232)~~(235) *Sporobolus heterolepis* (A. Gray) A. Gray, Prairie dropseed.
- ~~(233)~~(236) *Streptopus lanceolatus* (Ait.) Reveal, Rose twisted-stalk.
- ~~(234)~~(237) *Tetraneris herbacea* Greene, Lakeside daisy.
- ~~(235)~~(238) *Thuidium allenii* Austin, Allen's fern moss.
- ~~(236)~~(239) *Tomentypnum nitens* (Hedw.) Loeske, Fuzzy hypnum moss.
- ~~(237)~~(240) *Toxicodendron rydbergii* (Small) Greene, Northern poison-ivy.
- ~~(238)~~(241) *Trichomanes boschianum* Sturm, Appalachian filmy fern.
- ~~(239)~~(242) *Trichostema dichotomum* L. var. *lineare* (Walt.) Pursh, Narrow-leaved bluecurls.
- ~~(240)~~(243) *Trifolium reflexum* L., Buffalo clover.
- ~~(241)~~(244) *Trifolium stoloniferum* Muhl. ex A. Eaton, Running buffalo clover.
- ~~(242)~~(245) *Trillium undulatum* Willd., Painted trillium.
- ~~(243)~~(246) *Trollius laxus* Salisb., Spreading globeflower.
- ~~(244)~~(247) *Urtica chamaedryoides* Pursh, Spring nettle.
- ~~(245)~~(248) *Utricularia cornuta* Michx., Horned bladderwort.
- ~~(246)~~(249) *Utricularia geminiscapa* Benj., Two-scaped bladderwort.
- ~~(247)~~(250) *Vaccinium myrtilloides* Michx., Velvet-leaved blueberry.
- ~~(248)~~(251) *Valeriana ciliata* T. & G., Prairie valerian.

- ~~(249)~~ *Vernonia fasciculata* Michx., ~~Prairie ironweed.~~
- ~~(250)~~(252) *Vernonia missurica* Raf., Missouri ironweed.
- (253) *Viburnum opulus* L. var. *americanum* Ait., Highbush-cranberry.
- ~~(251)~~(254) *Vicia americana* Muhl. ex Willd., American vetch.
- ~~(252)~~(255) *Viola primulifolia* L., Primrose-leaved violet.
- ~~(253)~~(256) *Weissia sharpii* Anderson & Lemon, Sharp's green-cushioned moss.
- ~~(254)~~ *Xanthoria elegans* (Link) Th. Fr., ~~Elegant sunburst lichen.~~
- ~~(255)~~(257) *Xyris difformis* Chapm., Variable yellow-eyed-grass.
- ~~(256)~~ *Zizania aquatica* L., ~~Southern wild-rice.~~
- ~~(257)~~(258) *Zizania palustris* L., Northern wild rice.

(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)~~(2) *Agalinis gattingeri* (Small) Small, Gattinger's-foxglove.
- ~~(4)~~(3) *Amelanchier sanguinea* (Pursh) DC., Rock serviceberry.
- ~~(5)~~(4) *Ammophila breviligulata* Fern., American beach grass.
- (5) *Anagallis minima* (L.) E.H.L. Krause, Chaffweed.
- (6) *Anemone cylindrica* A. Gray, Prairie thimbleweed.
- (7) *Antennaria virginica* Stebbins, Shale barren pussy-toes.
- (8) *Artemisia campestris* L., Beach wormwood.
- (9) *Asplenium ruta-muraria* L., Wall-rue.
- (10) *Astragalus canadensis* L., Canada milk-vetch.
- (11) *Bartonia paniculata* (Michx.) Muhl., Screw-stem.

- (12) *Betula pumila* L., Swamp birch.
- (13) *Botrychium lanceolatum* (S.G. Gmelin) Angstrom, Triangle grape fern.
- (14) *Buchnera americana* L., Bluehearts.
- (15) *Buxbaumia aphylla* Hedw., Bug-on-a-stick.
- (16) *Calamagrostis porteri* Gray. subsp. *insperata* (Swallen) C.-W. Greene, Bartley's reed grass.
- (17) *Calamintha arkansana* (Nutt.) Shinnery, Limestone savory.
- ~~(18) *Callitriche verna* L., Vernal water-starwort.~~
- ~~(19)~~(18) *Calopogon tuberosus* (L.) BSP, Grass-pink.
- ~~(20)~~(19) *Campanula rotundifolia* L. Harebell.
- ~~(21)~~(20) *Campylostelium saxicola* (Web. & Mohr) Bruch & Schimp. in BSG, Rock-loving swan-necked moss.
- ~~(22)~~(21) *Carex aquatilis* Wahl., Leafy tussock sedge.
- (22) *Carex arctata* Boott, Drooping wood sedge.
- ~~(23) *Carex argyrantha* Tuck., Silvery sedge.~~
- ~~(24)~~(23) *Carex bicknellii* Britt., Bicknell's sedge.
- ~~(25)~~(24) *Carex bushii* Mackenzie, Bush's sedge.
- ~~(26)~~(25) *Carex brunnescens* (Pers.) Poir., Brownish sedge.
- ~~(27)~~(26) *Carex complanata* Torr. & Hook., Flattened sedge.
- ~~(28)~~(27) *Carex conoidea* Willd., Field sedge.
- ~~(29)~~(28) *Carex crinita* Lam. var. *brevicrinis* Fernald, Short-fringed sedge.
- ~~(30)~~(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 louisianica* L.H. Bailey, Louisiana sedge.
- ~~(33) *Carex mesochorea* Mackenzie, Midland sedge.~~
- ~~(34)~~(33) *Carex oligosperma* Michx., Few-seeded sedge.
- ~~(35) *Carex projecta* Mackenzie, Necklace sedge.~~
- ~~(36)~~(34) *Carex purpurifera* Mackenzie, Purple wood sedge.
- ~~(37)~~(35) *Carex retrorsa* Schwein., Reflexed bladder sedge.
- ~~(38) *Carex reznicekii* Werier, Reznicek's sedge.~~
- ~~(39)~~(36) *Carex sprengelii* Dewey ex Sprengel, Sprengel's sedge.
- ~~(40)~~(37) *Carex timida* Naczi & B.-A. Ford, Timid sedge.
- ~~(41)~~(38) *Carex viridistellata* Derieg, Reznicek, & Bruederle, Green star sedge.
- ~~(42) *Chimaphila umbellata* (L.) Bart., Pipsissewa.~~
- ~~(43)~~(39) *Chrysogonum virginianum* L., Golden-knees.
- ~~(44)~~(40) *Cirsium carolinianum* (Walt.) Fern. & Schub., Carolina thistle.
- ~~(45)~~(41) *Comarum palustre* (L.), Marsh fivefinger.
- (42) *Cornus canadensis* L.. Bunchberry.
- ~~(46) *Corydalis sempervirens* (L.) Pers., Rock-harlequin.~~
- ~~(47)~~(43) *Crocianthemum canadense* (L.) Britt., Canada frostweed.
- ~~(48)~~(44) *Cyperus schweinitzii* Torr., Schweinitz' umbrella-sedge.
- (45) *Cypripedium candidum* Muhl. ex Willd., Small white lady's-slipper.
- ~~(49)~~(46) *Cypripedium reginae* Walt., Showy lady's-slipper.
- ~~(50)~~(47) *Desmodium sessilifolium* (Torr.) T. & G., Sessile tick-trefoil.
- ~~(51)~~(48) *Dibaeis absoluta* (Tuck.) Kalb & Gierl, Pink dot lichen.
- ~~(52) *Dichantherium lindheimeri* (Nash) Gould, Lindheimer's panic grass.~~

- ~~(53)~~(49) *Dichanthelium meridionale* (Ashe) Freckmann, Southern hairy panic grass.
- ~~(54)~~(50) *Draba cuneifolia* Nutt., Wedge-leaved whitlow-grass.
- ~~(55)~~(51) *Draba reptans* (Lam.) Fern., Carolina whitlow-grass.
- ~~(56)~~(52) *Eleocharis flavescens* (Poir.) Urban, Green spike-rush.
- ~~(57)~~(53) *Eleocharis quinqueflora* (Hartmann) O. Schwartz, Few-flowered spike-rush.
- ~~(58)~~(54) *Eleocharis tenuis* (Willd.) Schult., Slender spike-rush.
- ~~(59)~~(55) *Elymus trachycaulus* (Link) Gould, Bearded wheat grass.
- (56) *Enchylum bachmanianum* (Fink) Otálora, Bachman's jelly lichen.
- ~~(60)~~(57) *Epilobium strictum* Muhl., Simple willow-herb.
- ~~(61)~~(58) *Eriophorum virginicum* L., Tawny cottongrass.
- ~~(62)~~(59) *Eupatorium album* L., White thoroughwort.
- ~~(63)~~(60) *Euthamia remota* Greene, Great Lakes goldenrod.
- ~~(64)~~(61) *Fleischmannia incarnata* (Walter) R.M. King & H. Rob., Pink thoroughwort.
- ~~(65)~~(62) *Galium palustre* L., Marsh bedstraw.
- ~~(66)~~(63) *Gentiana alba* Muhl., Yellowish gentian.
- ~~(67)~~(64) *Gillenia trifoliata* (L.) Moench, Bowman's-root.
- ~~(68)~~(65) *Glyceria acutiflora* Torr., Sharp-glumed manna-grass.
- ~~(69)~~(66) *Gratiola virginiana* L., Round-fruited hedge-hyssop.
- ~~(70)~~(67) *Helianthus mollis* Lam., Ashy sunflower.
- ~~(71)~~(68) *Heuchera longiflora* Rydberg in Britton, Long-flowered alum-root.
- ~~(72)~~(69) *Heuchera parviflora* Bartling, Small-flowered alum-root.
- ~~(73)~~(70) *Hypericum boreale* (Britt.) Bickn., Northern St. John's-wort.
- ~~(74)~~(71) *Hypericum ellipticum* Hook., Few-flowered St. John's-wort.

- ~~(75)~~(72) *Hypericum kalmianum* L., Kalm's St. John's-wort.
- ~~(76)~~(73) *Iris brevicaulis* Raf., Leafy blue flag.
- ~~(77)~~(74) *Iris verna* L., Dwarf iris.
- (75) *Isoetes engelmannii* A. Br., Engelmann's quillwort.
- ~~(78)~~(76) *Juncus alpinoarticulatus* Chaix, Alpine rush.
- ~~(79)~~(77) *Juncus greenei* Oakes & Tuckerman, Greene's rush.
- ~~(80)~~(78) *Krigia dandelion* (L.) Nutt., Potato-dandelion.
- ~~(81)~~(79) *Krigia virginica* (L.) Willd., Dwarf dandelion.
- ~~(82)~~(80) *Lactuca hirsuta* Muhl., Hairy tall lettuce.
- ~~(83)~~(81) *Lathyrus japonicus* Willd., Inland beach pea.
- ~~(84)~~(82) *Leavenworthia uniflora* (Michx.) Butl., Michaux's Glade-cress.
- ~~(85)~~(83) *Lechea minor* L., Thyme-leaved pinweed.
- ~~(86)~~(84) *Lechea pulchella* Raf., Leggett's pinweed.
- ~~(87)~~(85) *Liatris cylindracea* Michx., Slender blazing-star.
- ~~(88)~~(86) *Liatris scariosa* (L.) Willd., Large blazing-star.
- ~~(89)~~(87) *Lipocarpa micrantha* (Vahl) G. Tucker, Dwarf bulrush.
- ~~(90)~~(88) *Lithospermum caroliniense* (Walt.) MacMill. Walter MacMill., Plains puccoon.
- (89) *Melampyrum lineare* Desr., Cow-wheat.
- ~~(91)~~(90) *Melanthium virginicum* L., Bunchflower.
- ~~(92)~~(91) *Melanthium woodii* (J.W. Robbins ex Wood) Bodkin, Wood's-hellebore.
- ~~(93)~~(92) *Melica nitens* (Scribn.) Nutt. ex Piper, Three-flowered melic.
- ~~(94)~~(93) *Menyanthes trifoliata* L., Buckbean.
- ~~(95)~~(94) *Nabalus aspera* Michx., Rough rattlesnake-root.

- ~~(96)~~(95) *Nothoscordum bivalve* (L.) Britt., False garlic.
- (96) *Ophioglossum pusillum* Raf., Northern adder's-tongue fern.
- (97) *Oryzopsis asperifolia* Michx., Large-leaved mountain-rice.
- ~~(97)~~(98) *Packera paupercula* (Michx.) A. Löve & D. Löve, Balsam squaw-weed.
- ~~(98)~~(99) *Panicum philadelphicum* Bernh., Philadelphia panic grass.
- ~~(99)~~(100) *Paspalum repens* (Ell.) Kunth, Riverbank paspalum.
- ~~(100)~~(101) *Passiflora incarnata* L., Maypop.
- ~~(101)~~(102) *Penstemon canescens* (Britt.) Britt., Gray beard-tongue.
- ~~(102)~~(103) *Penstemon pallidus* Small, Downy white beard-tongue.
- ~~(103)~~(104) *Phyllanthus caroliniensis* Walt., Carolina leaf-flower.
- ~~(104)~~(105) *Platanthera ciliaris* (L.) Lindl., Yellow fringed orchid.
- ~~(105)~~(106) *Platanthera leucophaea* (Nutt.) Lindl., Prairie fringed orchid.
- (107) *Platanthera psycodes* (L.) Lindl., Small purple fringed orchid.
- ~~(106)~~(108) *Pogonia ophioglossoides* (L.) Ker, Rose pogonia.
- ~~(107)~~(109) *Polygala incarnata* L., Pink milkwort.
- ~~(108)~~(110) *Polygala polygama* Walt., Racemed milkwort.
- ~~(109)~~(111) *Potamogeton zosteriformis* Fern., Flat-stemmed pondweed.
- ~~(110)~~(112) *Potentilla supina* (L.) subsp. *paradoxa* (Nutt.) Soják, Bushy cinquefoil.
- ~~(111)~~(113) *Prosartes maculata* (Buckley) A. Gray, Nodding mandarin.
- ~~(112)~~(114) *Pycnanthemum verticillatum* (Michx.) Pers. var. *pilosum* (Nutt.)
Cooperrider, Hairy mountain-mint.
- ~~(113)~~(115) *Quercus falcata* Michx., Southern red oak.
- ~~(114)~~(116) *Ramalina pollinaria* (Westr.) Ach., Chalky ramalina.
- ~~(115)~~(117) *Ranunculus fascicularis* Muhl., Early buttercup.

- ~~(116)~~(118) *Rhododendron maximum* L., Great rhododendron.
- ~~(117)~~(119) *Rhododendron periclymenoides* (Michx.) Shinnery, Pinxter-flower.
- ~~(118)~~(120) *Ribes missouriense* Nutt., Missouri gooseberry.
- ~~(119)~~ *Rorippa aquatica* (Eaton) E. J. Palmer & Steyermark, Lake cress.
- ~~(120)~~(121) *Sagittaria cuneata* Sheldon, Wapato.
- ~~(121)~~(122) *Salix candida* Flueggé ex Willd., Hoary willow.
- ~~(122)~~(123) *Salix petiolaris* Sm., Slender willow.
- ~~(123)~~(124) *Sarracenia purpurea* L., Purple pitcher-plant.
- (125) *Schizachne purpurascens* (Torr.) Swallen, False melic.
- ~~(124)~~(126) *Schoenoplectiella smithii* (A. Gray) Soják, Smith's bulrush.
- ~~(125)~~(127) *Scutellaria saxatilis* Riddell, Rock skullcap.
- ~~(126)~~(128) *Selaginella eclipses* Buck, Midwest spike-moss.
- ~~(127)~~(129) *Sericocarpus linifolius* (L.) B. S. P., Narrow-leaved aster.
- ~~(128)~~(130) *Silene caroliniana* Walt. subsp. *pennsylvanica* (Michx.) Clausen, Carolina catchfly.
- ~~(129)~~(131) *Silene caroliniana* Walt. subsp. *wherryi* (Small) Clausen, Wherry's catchfly.
- ~~(130)~~(132) *Silene regia* Sims, Royal catchfly.
- ~~(131)~~(133) *Sisyrinchium montanum* Greene, Northern blue-eyed-grass.
- ~~(132)~~(134) *Sisyrinchium mucronatum* Michx., Narrow-leaved blue-eyed-grass.
- ~~(133)~~(135) *Solidago odora* Ait., Sweet goldenrod.
- ~~(134)~~(136) *Solidago speciosa* Nutt., Showy goldenrod.
- ~~(135)~~(137) *Solidago squarrosa* Muhl., Leafy goldenrod.
- ~~(136)~~(138) *Sparganium androcladum* (Engelm.) Morong, Keeled bur-reed.

- ~~(137) *Sphenopholis obtusata* (Michx.) Scribn. var. *obtusata*, Prairie wedge grass.~~
- ~~(138)~~(139) *Spiranthes romanzoffiana* Cham., Hooded ladies'-tresses.
- ~~(139)~~(140) *Symphotrichum drummondii* (Lindl.) G.-L. Nesom, Drummond's aster.
- ~~(140)~~(141) *Symphotrichum dumosum* (L.) G.-L. Nesom, Bushy aster.
- ~~(141)~~(142) *Symphotrichum oblongifolium* (Nutt.) G.-L. Nesom, Shale barren aster.
- ~~(142)~~(143) *Triadenum tubulosum* (Walter) Gleason, Large marsh St. John's-wort.
- ~~(143)~~(144) *Triadenum walteri* (S.-G. Gmelin) Gleason, Walter's St. John's-wort.
- ~~(144)~~(145) *Triglochin maritimum* L., Seaside arrow-grass.
- ~~(145)~~(146) *Utricularia intermedia* Hayne, Flat-leaved bladderwort.
- ~~(146)~~(147) *Utricularia minor* L., Lesser bladderwort.
- ~~(147)~~(148) *Vaccinium oxycoccos* L., Small cranberry.
- ~~(148)~~(149) *Verbesina occidentalis* (L.) Walt., Yellow crown-beard.
- (150) *Vernonia fasciculata* Michx., Prairie ironweed.
- ~~(149)~~(151) *Viburnum ~~amifolium~~ lantanoides* ~~Marsh~~ Michx., Hobblebush.
- ~~(150)~~(152) *Viburnum molle* Michx., Soft-leaved arrow-wood.
- ~~(151) *Viburnum opulus* L. var. *americanum* Ait., Highbush-cranberry.~~
- ~~(152) *Viola nephrophylla* Greene, Northern bog violet.~~
- (153) *Viola baxterii* House, Baxter's violet.
- ~~(153)~~(154) *Viola pedata* L., Birdfoot violet.
- ~~(154)~~(155) *Viola tripartita* Ell. var. *glaberrima* (Ging.) Harper, Wedge-leaved violet.
- ~~(155)~~(156) *Viola walteri* House, Walter's violet.
- ~~(156)~~(157) *Xyris torta* Sm., Twisted yellow-eyed-grass.
- (158) *Zizania aquatica* L., Southern wild rice.

Effective:

Five Year Review (FYR) Dates: 10/24/2018

Certification

Date

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