

## A FLORISTIC INVENTORY OF THE NATURE CONSERVANCY'S OKA' YANAHLI PRESERVE, JOHNSTON COUNTY, OKLAHOMA

**Amy K. Buthod**

Oklahoma Biological Survey  
University of Oklahoma  
Norman, OK 73019  
[amybuthod@ou.edu](mailto:amybuthod@ou.edu)

**Bruce W. Hoagland**

Oklahoma Biological Survey  
Department of Geography and Environmental Sustainability  
University of Oklahoma  
Norman, OK 73019

### ABSTRACT

This paper reports the results of a vascular plant inventory at The Nature Conservancy's Oka' Yanahli Preserve in Johnston County, Oklahoma. A total of 645 taxa in 109 families were collected. Three-hundred and ninety genera, 602 species, and 43 infraspecific taxa were identified. The families with the largest number of taxa were the Asteraceae with 91 taxa and the Poaceae with 89 taxa. Ninety non-native or naturalized taxa—14.0% of the preserve's flora—were found. Nine taxa tracked by the Oklahoma Natural Heritage Inventory were present. Nine vegetation types occurred at the preserve.

*Keywords: vascular, non-native, tracked, grassland*

### INTRODUCTION AND STUDY AREA

Dedicated in 2012, The Nature Conservancy's Oka' Yanahli Preserve was acquired with the goal of conserving biodiversity through land protection and stewardship. The preserve includes two miles along the Blue River, one of only two free-flowing rivers in the state of Oklahoma. Sustained by the Arbuckle-Simpson aquifer, this 227 km-long tributary of the Red River has some of the highest quality water in the state and is home to 82 native fish species, 23 mussel species, and one plant of global conservation concern. Current projects at the preserve include the restoration of streams and floodplain forests, the

reintroduction of fire to the landscape, the management of invasive species, and the advancement of understanding of the Arbuckle-Simpson aquifer system.

Oka' Yanahli occupies 1,456 ha in Johnston County in south-central Oklahoma approximately 25 km north of the city of Tishomingo (Figure 1). The property is bisected by the Blue River, with the majority of the Preserve (1,445 ha) lying to its west. Latitudinal extent ranges from 34.419449 to 34.457549 and longitudinal extent from -96.622765 to -96.697415. Physiographically, the site is located within the Arbuckle Plains geomorphic province, consisting of plains and rolling hills on limestones of Ordovician age (Curtis et al. 2008; Johnson 2008). Soils are of the Kiti-

Shidler-Lula type, and are shallow, rocky, silty, clayey and humus-rich (Carter and Gregory 2008). Climate is classified as humid subtropical (Cfa) – temperate with no discernible dry season and with hot summers (Köppen 1884). The lowest average temperature ( $4.7^{\circ}\text{C}$ ) is in January, and the highest average temperature ( $28.2^{\circ}\text{C}$ ) is in July (Oklahoma Climatological Survey 2018). Mean annual temperature is

$17^{\circ}\text{C}$  (Oklahoma Climatological Survey 2018). May is the wettest month, with an average precipitation of 14.1 cm (Oklahoma Climatological Survey 2018). The growing season averages 220 days (Oklahoma Climatological Survey 2018). Elevation ranges from 289 – 335 m. The dominant potential vegetation type is tallgrass prairie (Duck and Fletcher 1943). Prior to its purchase, the property was used for cattle ranching.

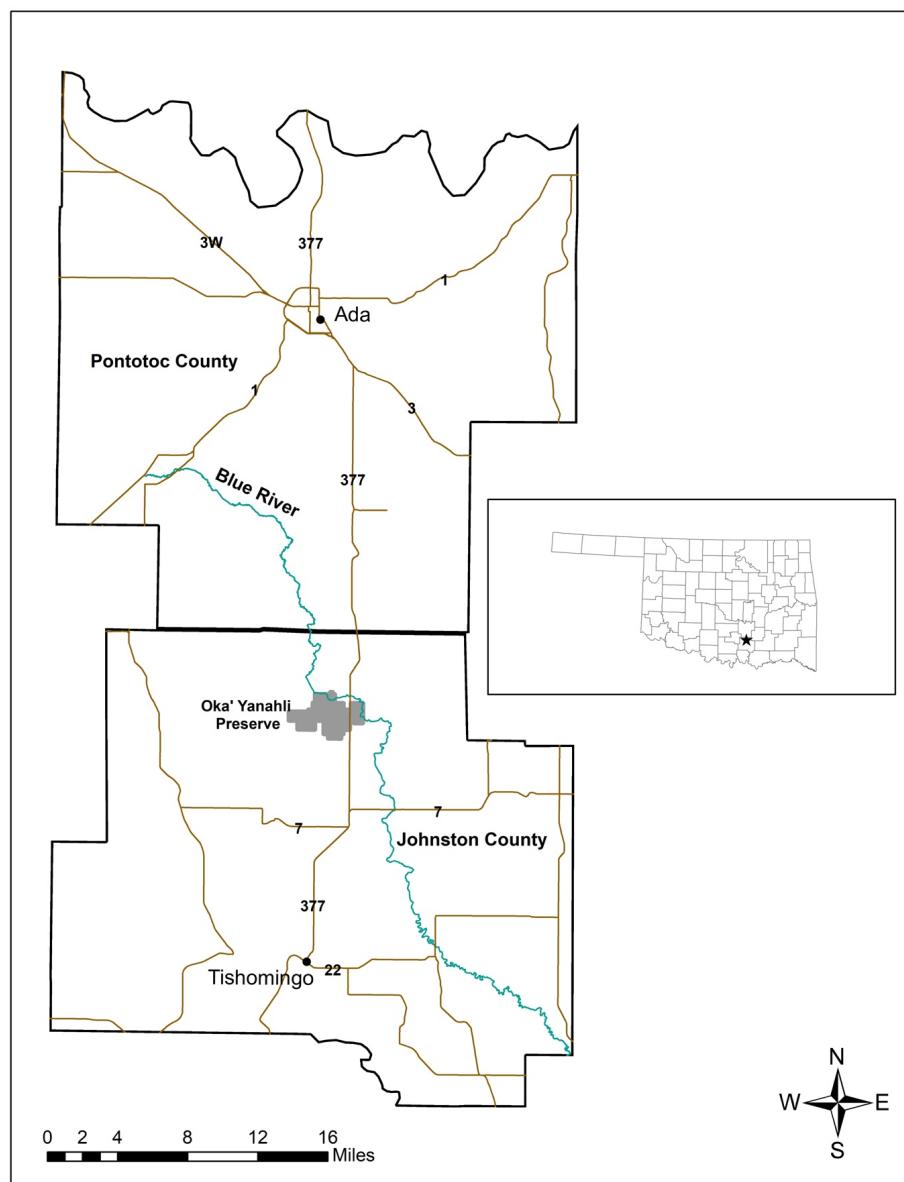


Figure 1 The Nature Conservancy's Oka' Yanahli Preserve.

## METHODS

Vouchers of vascular plant taxa encountered at the Oka' Yanahli Preserve were made throughout the growing seasons (March through October) of 2014 – 2017. Specimens with flowers or fruit were preferred, but when they could not be found, sterile specimens were taken. Vouchers of planted taxa and taxa not native to the United States were collected only from naturalized populations. All specimens were pressed in a plant press, dried in a drying cabinet, and frozen at -20° before taken into the herbarium for identification and label generation. Manuals used for identification included Diggs et al. (1999) and Tyrl et al. (2015). Identifications were verified by comparison with specimens from the Robert Bebb Herbarium (OKL) at the University of Oklahoma. Duration, growth habit, wetland status, and nativity were determined using the PLANTS database (USDA-NRSC 2019) and Taylor and Taylor (1991). Vegetation classifications were based on Hoagland (2000). Classification and nomenclature follow the Angiosperm Phylogeny Group IV (Stevens 2001 onwards) and the Integrated Taxonomic Information System (2019). All specimens were deposited at OKL.

## RESULTS AND DISCUSSION

A total of 645 taxa in 109 families were collected (Appendix). Five of these families were ferns and allies, two were

magnoliids/primitive angiosperms, 17 were monocots, and 84 were eudicots. There was one family of gymnosperms (Table 1). Three hundred and ninety genera, 602 species, and 43 infraspecific taxa were identified. Four hundred and five taxa were perennials; there were 234 annuals and six biennials. Four hundred and twenty-eight of these taxa were forbs, 145 were graminoids, 39 were trees, 20 were shrubs, and 13 were woody vines. The families with the largest number of taxa were the Asteraceae with 91 taxa and the Poaceae with 89 taxa, and the genus with the most species was *Carex* in the Cyperaceae family. Ninety taxa, or 14.0% of the flora, were planted and naturalized or non-native to the United States. This percentage is high when compared to the floras of other Oklahoma sites dominated by grasslands (Table 2). The families with the most exotic taxa present were the Poaceae with 24 and Fabaceae with 16. The genus with the greatest number of exotics was *Trifolium* in the Fabaceae – five species were found. Nine species tracked by the Oklahoma Natural Heritage Inventory (2019) occurred at the preserve (Table 3), including the imperiled *Alnus maritima* (Betulaceae) (Figure 2). Obligate and facultative wetland taxa comprised 22.0% of the flora, with 69 obligate wetland and 74 facultative wetland taxa present. One hundred and fourteen taxa were classified as facultative, 149 were facultative upland taxa, and 29 were upland taxa. Two hundred and ten taxa had no wetland status.

Table 1 Summary of the floristic survey performed at the Oka' Yanahli Nature Preserve by divisions/groups and resulting number of taxa

<b>Groups</b>	<b>Families</b>	<b>Genera</b>	<b>Total Taxa</b>	<b>Total Taxa Composition</b>	<b>Native Taxa</b>	<b>Nonnative Taxa</b>	<b>Nonnative Taxa Composition %</b>
Ferns and Allies	5	6	6	0.9%	6	0	0
Gymnosperms	1	1	1	0.2%	1	0	0
Magnoliids/Primitive Angiosperms	2	2	2	0.3%	2	0	0
Monocots	17	87	176	27.3%	149	27	4.2%
Eudicots	84	294	460	71.3%	397	63	9.8%
<b>TOTAL</b>	<b>109</b>	<b>390</b>	<b>645</b>	<b>100</b>	<b>555</b>	<b>90</b>	<b>14.0%</b>

Table 2 Comparison of exotic taxa from the Oka' Yanahli site with other Oklahoma grassland-dominated sites.

<b>Study site</b>	<b>Reference</b>	<b>Size of site (ha)</b>	<b>Number of taxa found</b>	<b>Percentage of non-native taxa</b>
Oka' Yanahli Preserve, Johnston County	This paper	1,456.0	645	14.0 %
Pontotoc Ridge Nature Preserve, Johnston and Pontotoc Counties	Buthod, Hoagland, and Tucker, manuscript in preparation	848.2	616	8.8%
Kessler Atmospheric and Ecological Field Station, McClain County	Buthod and Hoagland 2016	146.0	388	14.7%
Tulsa Botanic Garden, Osage County	Hoagland and Buthod 2007	69.0	293	15.0%
Tallgrass Prairie Preserve, Osage County	Palmer 2007	15,410.0	763	12.1%
Camp Kickapoo Boy Scout Camp, Canadian County	Hoagland and Buthod 2006	64.7	334	12.3%
Selman Living Laboratory, Woodward County	Buckallew and Caddell 2003	129.5	229	9.0%

Table 3 Taxa located during this study that are tracked by the Oklahoma Natural Heritage Inventory (Oklahoma Natural Heritage Inventory 2019). Status ranks are on a 1-5 scale, with a 1 indicating the taxon is critically imperiled. G ranks are at the global level, and S ranks are at the subnational or state level. A question mark (?) denotes an inexact numeric rank (NatureServe Explorer 2021).

Family	Taxon	Rank
Betulaceae	<i>Alnus maritima</i> (Marshall) Muhl. ex Nutt.	S2G3
Elatinaceae	<i>Bergia texana</i> (Hook.) Seub. ex Walp.	S2G5
Fabaceae	<i>Styphnolobium affine</i> (Torr. & A. Gray) Walp.	S3G4
Gentianaceae	<i>Centauryum texense</i> (Griseb.) Fernald	S1G4?
Loganiaceae	<i>Mitreola petiolata</i> (J.F. Gmel.) Torr. & A. Gray	S1G4G5
Marsileaceae	<i>Marsilea vestita</i> Hook. & Grev.	S3G5
Primulaceae	<i>Lysimachia quadriflora</i> Sims	S1G5?
Rosaceae	<i>Poteridium annuum</i> (Nutt.) Spach	S1G4
Urticaceae	<i>Urtica chamaedryoides</i> Pursh	S3G4G5



Figure 2 *Alnus maritima* (Betulaceae; seaside alder) on the Blue River at the Oka' Yanahli Nature Preserve.

Nine vegetation types were found at Oka' Yanahli, six of which were named associations recognized by Hoagland (2000). Grassland types dominated – three types were found. Two forest associations, one woodland association, one shrubland association, and two types associated with moist soils also occurred at the preserve. These vegetation types are not discrete, however; they intergrade, with many taxa found in more than one vegetation type.

The primary vegetation type at Oka' Yanahli was classified as **disturbed area/old field (DAOF)**. This vegetation type was found on deeper soils around houses, barns, and outbuildings, as well as areas heavily impacted by livestock activity. Common species included four species of ragweed – *Artemisia artemisiifolia* (annual ragweed), *A. bidentata* (lanceleaf ragweed), *A. psilostachya* (western ragweed), and *A. trifida* (giant ragweed). Native grasses, such as *Bothriochloa laguroides* (silver beardgrass), *Sorghastrum nutans* (Indiangrass), and *Tridens flavus* (purpletop tridens), were interspersed with non-natives such as *Bothriochloa ischaemum* (yellow bluestem), *Cynodon dactylon* (Bermudagrass), and *Schedonorus arundinaceus* (tall fescue). Much of the western half of the preserve is disturbed area/old field. With proper management, these areas would support a *Schizachyrium scoparium-Sorghastrum nutans* (little bluestem-Indiangrass) herbaceous association.

Another grassland type found at the preserve was the ***Bouteloua hirsuta-B. curtipendula* (hairy grama-sideoats grama) herbaceous association (BHBCHA)**. This grassland type occurred in upland areas with coarse or shallow soils. Taxa found in these areas included *Bouteloua dactyloides* (buffalo grass), *Heliotropium tenellum* (pasture heliotrope), *Monarda clinopodioides* (basil beebalm), and *Ophioglossum engelmannii* (limestone adderstongue). This vegetation type was the second most predominant type at the preserve.

A third grassland type was the ***Muhlenbergia reverchonii-Croton monathogynus* (steep muhly-prairie tea) herbaceous association (MRCMHA)**. This vegetation type was found on seasonal seepy areas over clay and calcareous soils. Common associated species included *Evolvulus nuttallianus* (shaggy dwarf morning-glory), *Hypoxis hirsuta* (common goldstar), *Physaria ovalifolia* ssp. *alba* (roundleaf bladderpod), *Phyllanthus polygonoides* (smartweed leaf-flower), *Tetraneuris linearifolia* (fineleaf fournerved daisy), and *Tragia ramosa* (nettle-leaf noseburn). This vegetation type is unique to Oklahoma.

Forest vegetation included the ***Quercus macrocarpa-Q. shumardii-Carya cordiformis* (bur oak-Shumard oak-bitternut hickory) association (QMQSCCFA)**. This vegetation type was found in mesic areas and in floodplains. Taxa common to this vegetation type included *Cercis canadensis* (eastern redbud), *Cornus drummondii* (roughleaf dogwood), *Smilax bona-nox* (saw greenbrier), and *Solidago ulmifolia* (elmleaf goldenrod).

The ***Ulmus rubra-Celtis laevigata-Fraxinus pensylvanica-F. americana* (slippery elm-sugarberry-green ash-white ash) forest association (URCLFPFAFA)** was also present at the preserve. This vegetation type was found in riparian areas in wet or mesic soils and included taxa such as *Chasmanthium latifolium* (Indian wood-oats), *Commelina virginica* (Virginia dayflower), *Elephantopus carolinianus* (Carolina elephantsfoot), *Quercus muehlenbergii* (chinkapin oak), and *Toxicodendron radicans* (eastern poison ivy).

Isolated pockets of the ***Quercus stellata-Q. marilandica-C. cordiformis* (post oak-blackjack oak- bitternut hickory) woodland association (QSQMCCWA)** were found in the southern part of the preserve. These were restricted to very rocky areas and included species such as *Quercus macrocarpa* (bur oak), *Sideroxylon lanuginosum* (gum bully),

*Symporicarpos orbiculatus* (coralberry), and *Ulmus alata* (winged elm).

Vegetation types associated with wet soils included the **vegetation of seeps (SEEP)**. This type was found in areas that are typically wetter than those supporting the seep muhly-prairie tea herbaceous association. Associated taxa included *Andropogon glomeratus* (bushy bluestem), *Fuirena simplex* (western umbrella-sedge), *Lysimachia quadriflora* (fourflower yellow loosestrife), *Nasturtium officinale* (watercress), and *Rudbeckia fulgida* (orange coneflower). Two large seeps are found on Oka' Yanahli.

**Herbaceous wetland vegetation (HWV)** included plants found in and around ponds, creeks, depressions, and culverts. Taxa encountered at these sites included *Eleocharis obtusa* (blunt spikerush), *Heteranthera limosa* (blue mudplantain), *Iva annua* (sumpweed), *Nuphar advena* (yellow pond-lily) and *Salix nigra* (black willow).

The most significant vegetation type found at Oka' Yanahli was the ***Alnus maritima-Amorpha fruticosa* (seaside alder-false indigo) shrubland association (AMAFSA)**. This unusual vegetation type is only found in the Blue River drainage in Pontotoc and Johnston Counties in Oklahoma (NatureServe 2021). Growing in cobble bars and riparian areas, this association included taxa such as *Conoclinium coelestinum* (mist flower), the invasive *Iris pseudoacorus* (paleyellow iris), *Justicia americana* (American water-willow), *Leersia virginica* (whitegrass), and *Lobelia cardinalis* (cardinal flower). At Oka' Yanahli, this vegetation type intergraded with the slippery elm-sugarberry-green ash-white ash forest association.

## ACKNOWLEDGMENTS

The authors wish to thank Leroy Alm, Kayti Ewing, Dan Francis, Jeanine Lackey, Abby Moore, Andrew Schofield, and Jona Tucker for collection and field assistance.

Jenna Messick provided map-making assistance.

## LITERATURE CITED

- Buckallew, R.R. and G.M. Caddell. 2003. Vascular flora of the University of Central Oklahoma Selman Living Laboratory, Woodward County, Oklahoma. *Proceedings of the Oklahoma Academy of Sciences* 83:31–45.
- Buthod, A.K. and B.W. Hoagland. 2016. A floristic inventory of the University of Oklahoma's Kessler Atmospheric and Ecological Field Station, McClain County, Oklahoma. *Oklahoma Native Plant Record* 16:45–63.
- Carter, B.J. and M.S. Gregory. 2008. Soil map of Oklahoma. In: Johnson, K.S. and K.V. Luza, eds. *Earth Sciences and Mineral Resources of Oklahoma*. Norman (OK): Oklahoma Geological Survey.
- Curtis, N.M. W.E. Ham, and K.S. Johnson. 2008. Geomorphic provinces of Oklahoma. In: Johnson, K.S. and K.V. Luza, eds. *Earth Sciences and Mineral Resources of Oklahoma*. Norman (OK): Oklahoma Geological Survey.
- Diggs, G.M., Jr., B.L. Lipscomb, and R.J. O'Kennon. 1999. *Shinners and Mahler's Illustrated Flora of North Central Texas*. Fort Worth (TX): Botanical Research Institute of Texas.
- Duck, L.G. and J.B. Fletcher. 1943. A game type map of Oklahoma. In: *A Survey of the Game and Furbearing Animals of Oklahoma*. Oklahoma City (OK): Oklahoma Department of Wildlife Conservation.
- Hoagland, B.W. 2000. The vegetation of Oklahoma: A classification for landscape mapping and conservation planning. *The Southwestern Naturalist* 43:285–420.
- Hoagland, B.W., and A. Buthod. 2006. Vascular flora of a red sandstone hills

- site, Canadian County, Oklahoma.  
*Oklahoma Native Plant Record* 6:53-68.
- Hoagland, B.W., and A.K. Buthod. 2007. The vascular flora of the Oklahoma Centennial Botanical Garden site, Osage County, Oklahoma. *Oklahoma Native Plant Record* 7:54-66.
- Integrated Taxonomic Information System. 2019. <http://www.itis.gov> (19 December 2019).
- Johnson, K.S. 2008. Generalized geologic map of Oklahoma. In: Johnson, K.S. and K.V. Luza, eds. *Earth Sciences and Mineral Resources of Oklahoma*. Norman (OK): Oklahoma Geological Survey.
- Köppen, W. 1884. Die Wärmezonen der Erde, nach der Dauer der heißen, gemässigten und kalten Zeit und nach der Wirkung der Wärme auf die organische Welt betrachtet. [The thermal zones of the earth according to the duration of hot, moderate, and cold periods and to the impact of heat on the organic world]. *Meteorologische Zeitschrift* 1:215-226. (Translated and edited and published 2011) *Meteorologische Zeitschrift* 20:351-360.  
<http://www.ingentaconnect.com/content/schweiz/mz/2011/00000020/00000003/art00009>
- NatureServe. 2019. NatureServe Explorer. <http://www.natureserve.org/explorer> (19 December 2019).
- NatureServe. 2021. NatureServe Explorer. <http://www.natureserve.org/explorer> (11 January 2021).
- Oklahoma Climatological Survey. 2018. The climate of Johnston County.  
<http://www.ocs.ou.edu> (15 January 2018).
- Oklahoma Natural Heritage Inventory. 2019. Vascular Plant Tracking List.  
<http://www.oknaturalheritage.ou.edu/content/biodiversity-info/tracking-list/index.php> (18 December 2019).
- Palmer, M.W. 2007. The vascular flora of the Tallgrass Prairie Preserve, Osage County, Oklahoma. *Castanea* 72(4):235-246.
- Stevens, P.F. (2001 onwards). Angiosperm Phylogeny Website. Version 14, July, 2017.  
<http://www.mobot.org/MOBOT/research/APweb/>
- Taylor, R.J. and C.E. Taylor. 1991. *An Annotated List of the Ferns, Fern Allies, Gymnosperms, and Flowering Plants of Oklahoma*. Durant (OK): Self-published.
- Tyrl, R.J., S.C. Barber, P. Buck, W.J. Elisens, J.R. Estes, P. Folley, L.K. Magrath, C.L. Murray, A.K. Ryburn, B.A. Smith, C.E.S. Taylor, R.A. Thompson, J.B. Walker, and L.E. Watson. 2015. *Flora of Oklahoma: Keys and Descriptions*. Oklahoma City (OK): Flora Oklahoma Incorporated.
- USDA, NRCS. 2019. The PLANTS Database.  
<http://plants.sc.egov.usda.gov> (20 December 2019).

## APPENDIX

### **List of vascular plant taxa from the Oka' Yanahli Nature Preserve, Johnston County, Oklahoma.**

Taxa list with duration, growth habit, wetland status, vegetation type, nativity, and heritage status.  
 A=annual, B=biennial, P=perennial; T=tree, S=shrub, V=woody vine, F=forb, G=graminoid;  
 OBL=obligate wetland, FACW= facultative wetland, FAC=facultative, FACU=facultative upland,  
 UPL=obligate upland, none=no wetland status; AMAFSA=*Alnus maritima*-*Amorpha fruticosa* shrubland  
 association, BHBCHA=*Bouteloua hirsuta*-*B. curtipendula* herbaceous association, DAOF=disturbed  
 area/old field, HWV=herbaceous wetland vegetation, MRCMHA=*Muhlenbergia reverchonii*-*Croton*  
*monathogynus* herbaceous association, QMQSCCFA=*Quercus macrocarpa*-Q. *shumardii*-*Carya*  
*cordiformis* forest association, QSQMCCWA=*Quercus stellata*-*Quercus marilandica*-*Carya cordiformis*  
 woodland association, SEEP=vegetation of seeps, URCLFPFAFA=*Ulmus rubra*-*Celtis laevigata*-  
*Fraxinus pennsylvanica*-*Fraxinus americana* forest association.

Exotic taxa are denoted with an asterisk (\*). Taxa tracked by the Oklahoma Natural Heritage Inventory are denoted with a dagger (†). Duration, growth habit, and nativity were determined using the PLANTS Database (USDA-NRCS 2019); if the information from PLANTS was ambiguous, Taylor and Taylor (1991), was consulted. Wetland status and common names were taken from PLANTS (USDA-NRCS 2019), and vegetation classifications were based on Hoagland (2000). Specimens were assigned collection numbers with the prefix OK, OKW, or AB. Voucher specimens were deposited at the Robert Bebb Herbarium of the University of Oklahoma (OKL).

#### **Acanthaceae**

*Dicliptera brachiata* (Pursh) Spreng. (branched foldwing); A; F; FACW; URCLFPFAFA; OK-314  
*Justicia americana* (L.) Vahl (American water-willow); P; F; OBL; AMAFSA, HWV; OK-158  
*Ruellia humilis* Nutt. (low ruellia); P; F; FAC; BHBCHA, DAOF; OK-339  
*Ruellia strepens* L. (limestone wild petunia); P; F; FAC; URCLFPFAFA; OK-076

#### **Adoxaceae**

*Sambucus nigra* L. ssp. *canadensis* (L.) R. Bolli (common elderberry); P; S; FAC; URCLFPFAFA;  
 OK-120  
*Viburnum rufidulum* Raf. (rusty blackhaw); P; S; FACU; QMQSCCFA; OK-235

#### **Alismataceae**

*Alisma subcordatum* Raf. (American water plantain); P; F; OBL; SEEP; OK-302  
*Echinodorus berteroii* (Spreng.) Fassett (upright burrhead); P; F; OBL; HWV; OKW-005  
*Sagittaria brevirostra* Mack. & Bush (shortbeak arrowhead); P; F; OBL; HWV; OKW-161  
*Sagittaria lancifolia* L. (bulbtongue arrowhead); P; F; OBL; AMAFSA; OK-383

#### **Amaranthaceae**

\**Amaranthus albus* L. (prostrate pigweed); A; F; FACU; DAOF; OKW-165  
*Amaranthus tuberculatus* (Moq.) J.D. Sauer (roughfruit amaranth); A; F; FAC; AMAFSA, DAOF, HWV;  
 OK-083  
 \**Chenopodium album* L. (lambsquarters); A; F; FACU; DAOF; OKW-193  
*Chenopodium pratericola* Rydb. (desert goosefoot); A; F; none; DAOF; OK-441  
*Chenopodium standleyanum* Aellen (Standley's goosefoot); A; F; none; DAOF; OK-443

\**Dysphania ambrosioides* (L.) Mosyakin & Clemants (Mexican tea); A; F; FAC; DAOF; OK-447  
*Froelichia floridana* (Nutt.) Moq. (cottonweed); A; F; none; DAOF; OKW-229  
*Iresine rhizomatosa* Standl. (Juda's bush); P; F; FACW; URCLFPFAFA; OK-320

### Amaryllidaceae

*Allium canadense* L. var. *fraseri* Ownbey (Fraser meadow garlic); P; F; FACU; DAOF; OK-375  
*Nothoscordum bivalve* (L.) Britton (crow-poison); P; F; FACU; DAOF; OK-261  
*Zephyranthes chlorosolen* (Herb.) D. Dietr. (evening rainlily); P; F; FAC; BHBCHA; OK-201

### Anacardiaceae

*Rhus aromatica* Aiton (aromatic sumac); P; S; UPL; BHBCHA; OKW-088  
*Toxicodendron radicans* (L.) Kuntze (eastern poison ivy); P; V; FACU; URCLFPFAFA; OKW-049

### Apiaceae

*Ammoselinum butleri* (Engelm. ex S. Watson) J.M. Coulter & Rose (Butler's sandparsley); A; F; FAC; DAOF; OK-284  
*Bifora americana* Benth. & Hook. f. ex S. Watson (prairie bishop's weed); A; F; none; MRCMHA; OK-207  
*Chaerophyllum tainturieri* Hook. var. *tainturieri* (hairyfruit chervil); A; F; none; DAOF, MRCMHA; OK-521  
*Cicuta maculata* L. (water hemlock); P; F; OBL; URCLFPFAFA; OK-122  
*Cryptotaenia canadensis* (L.) DC. (Canadian honewort); P; F; FAC; URCLFPFAFA; OKW-024  
*Daucus pusillus* Michx. (American wild carrot); A; F; none; DAOF; OK-121  
*Eryngium leavenworthii* Torr. & A. Gray (Leavenworth's eryngo); A; F; none; BHBCHA; OK-294  
*Limnosciadium pinnatum* (DC.) Mathias & Constance (tansy dogshade); A; F; FACW; HWV; OKW-217  
*Lomatium foeniculaceum* (Nutt.) J.M. Coulter & Rose ssp. *daucifolium* (Torr. & A. Gray) W.L. Theob. (desert biscuitroot); P; F; none; BHBCHA; OKW-089  
*Polytaenia nuttallii* DC. (Nuttall's prairie parsley); P; F; none; BHBCHA, DAOF; OK-099  
*Ptilimnium nuttallii* (DC.) Britton (Nuttall's mockbishopweed); A; F; FACW; BHBCHA, MRCMHA; OK-161  
*Sanicula canadensis* L. (snakeroot); B; F; FACW; QMQSCCF; OK-192  
*Spermolepis divaricata* (Benth. & Hook. f. ex S. Watson) Raf. ex Ser. (roughfruit scaleseed); A; F; FACW; BHBCHA; OK-392  
\**Torilis arvensis* (Huds.) Link (spreading hedgeparsley); A; F; none; DAOF; OK-185  
\**Torilis nodosa* (L.) Gaertn. (knotted hedgeparsley); A; F; none; DAOF; OKW-113  
*Zizia aurea* (L.) W.D.J. Koch (golden zizia); P; F; FAC; URCLFPFAFA; OK-129

### Apocynaceae

*Apocynum cannabinum* L. (Indianhemp); P; F; FAC; DAOF, SEEP; OK-109  
*Asclepias asperula* (Decne.) Woodson ssp. *capricornu* (Woodson) Woodson (spider antelopehorn); P; F; none; MRCMHA; OK-479  
*Asclepias viridiflora* Raf. (green comet milkweed); P; F; none; BHBCHA; OKW-035  
*Asclepias viridis* Walter (green antelopehorn); P; F; none; DAOF; OK-174  
*Gonolobus suberosus* (L.) R. Br. var. *suberosus* (angularfruit milkvine); P; F; FACW; QMQSCCF; OK-391  
*Matelea biflora* (Raf.) Woodson (twoflower milkvine); P; F; none; BHBCHA; OK-298

**Aquifoliaceae**

*Ilex decidua* Walter (deciduous holly); P; S; FAC; QMQSCCFA; OK-445

**Araceae**

*Arisaema dracontium* (L.) Schott (green dragon); P; F; FACW; URCLFPFAFA; OK-474

*Spirodela polyrrhiza* (L.) Schleid. (common duckmeat); P; F; OBL; HWV; OKW-156

**Aristolochiaceae**

*Aristolochia tomentosa* Sims (woolly dutchman's pipe); P; F; FAC; URCLFPFAFA; OK-256

**Asparagaceae**

*Androstephium coeruleum* (Scheele) Greene (blue funnel lily); P; F; none; BHBCHA; OKW-086

\**Asparagus officinalis* L. (garden asparagus); P; F; FACU; DAOF; OK-478

*Camassia angusta* (Engelm. & A. Gray) Blank. (prairie camas); P; F; none; BHBCHA; OKW-060

\**Muscari botryoides* (L.) Mill. (common grape hyacinth); P; F; none; DAOF; OKW-097

*Polygonatum biflorum* (Walter) Elliott (smooth Solomon's seal); P; F; FACU; URCLFPFAFA; OK-191

*Yucca arkansana* Trel. (Arkansas yucca); P; F; none; DAOF; OK-548

**Aspleniaceae**

*Asplenium resiliens* Kunze (blackstem spleenwort); P; F; none; URCLFPFAFA; OKW-093

**Asteraceae**

*Achillea millefolium* L. (common yarrow); P; F; FACU; DAOF; OK-008

*Ageratina altissima* (L.) King & H. Rob. (white snakeroot); P; F; UPL; URCLFPFAFA; OK-446

*Ambrosia artemisiifolia* L. (annual ragweed); A; F; FACU; DAOF; OKW-175

*Ambrosia bidentata* Michx. (lanceleaf ragweed); A; F; none; DAOF; OK-254

*Ambrosia psilostachya* DC. (western ragweed); A; F; FACU; BHBCHA, DAOF; OK-032

*Ambrosia trifida* L. (giant ragweed); A; F; FAC; DAOF; OK-315

*Amphiachyris dracunculoides* (DC.) Nutt. (prairie broomweed); A; F; none; DAOF; OK-004

\**Arctium minus* Bernh. (lesser burdock); B; F; FACU; DAOF; OKW-225

*Arnoglossum plantagineum* Raf. (groovestem Indian plantain); P; F; FAC; BHBCHA, DAOF; OK-169

*Artemisia ludoviciana* Nutt. (white sagebrush); P; F; UPL; BHBCHA; OKW-040

*Astranthium ciliatum* (Raf.) G.L. Nesom (entireleaf western daisy); A; F; none; BHBCHA; OKW-085

*Bidens bipinnata* L (Spanish needles); A; F; FACU; URCLFPFAFA; OKW-163

*Bidens frondosa* L. (devil's beggartick); A; F; FACW; AMAFSA, URCLFPFAFA; OK-044

\**Carduus nutans* L. (nodding plumeless thistle); B; F; FACU; DAOF; OK-167

*Chaetopappa asteroides* Nutt. ex DC. (Arkansas leastdaisy); A; F; none; MRCMHA; OK-477

*Cirsium altissimum* (L.) Hill (tall thistle); B; F; none; DAOF; OK-321

*Cirsium engelmannii* Rydb. (Engelmann's thistle); P; F; none; DAOF; OK-100

*Cirsium undulatum* (Nutt.) Spreng. (wavyleaf thistle); P; F; FACU; DAOF; OK-216

*Conoclinium coelestinum* (L.) DC. (mist flower); P; F; FACW; AMAFSA, URCLFPFAFA; OK-020

*Conyza canadensis* (L.) Cronquist (Canadian horseweed); A; F; none; DAOF; OK-293

*Conyza ramosissima* Cronquist (dwarf horseweed); A; F; none; DAOF; OKW-181

*Coreopsis grandiflora* Hogg ex Sweet (largeflower tickseed); P; F; none; BHBCHA; OK-389

*Coreopsis lanceolata* L. (tickweed); P; F; FACU; MRCMHA; OK-536

*Coreopsis tinctoria* Nutt. (golden tickseed); A; F; FAC; DAOF; OK-217

*Diaperia prolifera* Nutt. ex DC. (bighead pygmycudweed); A; F; none; DAOF; OK-513

- Eclipta prostrata* (L.) L. (false daisy); A; F; FACW; HWV; OK-251  
*Elephantopus carolinianus* Raeusch. (Carolina elephantsfoot); P; F; FAC; QMQSCCFA; OK-073  
*Engelmannia peristenia* (Raf.) Goodman & C.A. Lawson (Engelmann's daisy); P; F; none; BHBCHA; OK-135  
*Erechtites hieracifolius* (L.) Raf. ex DC. (fireweed); A; F; none; URCLFPFAFA; OK-015  
*Erigeron philadelphicus* L. (Philadelphia fleabane); P; F; FAC; AMAFSA; OK-273  
*Erigeron strigosus* Muhl. ex Willd. (prairie fleabane); A; F; FACU; DAOF; OK-154  
*Eupatorium perfoliatum* L. (common boneset); P; F; FACW; SEEP; OK-250  
*Eupatorium serotinum* Michx. (lateflowering thoroughwort); P; F; FAC; DAOF; OK-250  
*Gaillardia pulchella* Foug. (Indian blanket); A; F; UPL; BHBCHA; OK-136  
*Gamochaeta pensylvanica* (Willd.) Cabrera (Pennsylvania everlasting); A; F; UPL; DAOF; OKW-099  
*Gamochaeta purpurea* (L.) Cabrera (spoonleaf purple everlasting); P; F; FACU; DAOF; OK-095  
*Grindelia lanceolata* Nutt. (narrowleaf gumweed); P; F; none; BHBCHA; OKW-190  
*Helenium amarum* (Raf.) H. Rock (bitterweed); A; F; FACU; DAOF; OK-003  
*Helianthus annuus* L. (common sunflower); A; F; FACU; DAOF; OK-401  
*Helianthus hirsutus* Raf. (hairy sunflower); P; F; none; QMQSCCFA; OK-493  
*Helianthus maximiliani* Schrad. (Maximilian sunflower); P; F; FACU; DAOF; OK-440  
*Helianthus tuberosus* L. (Jerusalem artichoke); P; F; FACU; URCLFPFAFA; OK-563  
*Heliopsis helianthoides* (L.) Sweet (smooth oxeye); P; F; FACU; URCLFPFAFA; OKW-012  
*Heterotheca subaxillaris* (Lam.) Britton & Rusby (camphorweed); A; F; FACU; UPL; BHBCHA; OKW-176  
*Hymenopappus scabiosaeus* L'Hér. var. *corymbosus* (Torr. & A. Gray) B.L. Turner (Carolina woolywhite); B; F; none; DAOF; OK-368  
*Iva angustifolia* Nutt. ex DC. (narrowleaf marshelder); A; F; none; DAOF; OK-562  
*Iva annua* L. (sumpweed); A; F; FAC; HWV; OK-028  
*Krigia caespitosa* (Raf.) K.L. Chambers (weedy dwarfdandelion); A; F; FACU; BHBCHA; OKW-110  
*Krigia occidentalis* Nutt. (western dwarfdandelion); A; F; none; DAOF; OK-283  
*Lactuca ludoviciana* (Nutt.) Riddell (western wild lettuce); A; F; FACU; URCLFPFAFA; OK-204  
\**Lactuca serriola* L. (prickly lettuce); A; F; FACU; DAOF; OKW-034  
*Liatris punctata* Hook. var. *mucronata* (DC.) B.L. Turner (densespike blazingstar); P; F; none; BHBCHA; OKW-152  
*Lindheimera texana* A. Gray & Engelm. (Texas yellow star); A; F; none; MRCMHA; OK-480  
*Marshallia caespitosa* Nutt. ex DC. (Barbara's buttons); P; F; FAC; BHBCHA; OK-173  
*Packera glabella* (Poir.) C. Jeffrey (butterweed); A; F; FACW; BHBCHA; OKW-125  
*Packera obovata* (Muhl. ex Willd.) W.A. Weber & A. Löve (roundleaf ragwort); P; F; FACU; AMAFSA; OK-264  
*Packera plattensis* (Nutt.) W.A. Weber & A. Löve (prairie groundsel); P; F; FACU; BHBCHA; OKW-090  
\**Parthenium hysterophorus* L. (Santa Maria feverfew); A; F; FAC; DAOF; OK-030  
*Plectocephalus americanus* (Nutt.) D. Don (American star-thistle); A; F; none; BHBCHA; OKW-031  
*Pluchea odorata* (L.) Cass. (sweetscent); A; F; FACW; HWV; OKW-167  
*Pyrrhopappus grandiflorus* (Nutt.) Nutt. (tuberous desert-chicory); P; F; none; BHBCHA; OKW-137  
*Pyrrhopappus pauciflorus* (D. Don) DC. (smallflower desert-chicory); A; F; none; MRCMHA; OK-212  
*Ratibida columnifera* (Nutt.) Woot. & Standl. (yellow coneflower); P; F; none; DAOF; OK-327  
*Rudbeckia amplexicaulis* Vahl (clasping coneflower); A; F; FAC; BHBCHA; OK-138  
*Rudbeckia fulgida* Aiton (orange coneflower); P; F; FAC; SEEP; OK-068  
*Rudbeckia hirta* L. (blackeyed Susan); P; F; FACU; DAOF; OK-106  
*Rudbeckia laciniata* L. (cutleaf coneflower); P; F; FAC; AMAFSA; OK-340

*Rudbeckia triloba* L. (browneyed Susan); P; F; FACU; URCLFPFAFA; OK-400  
*Silphium integrifolium* Michx. (wholeleaf rosinweed); P; F; FAC; DAOF; OK-554  
*Silphium laciniatum* L. (compassplant); P; F; none; DAOF; OK-219  
*Silphium radula* Nutt. var. *radula* (Reverchon's rosinweed); P; F; none; DAOF; OK-555  
*Smallanthus uvedalia* (L.) Mack. ex Small (hairy leafcup); P; F; none; URCLFPFAFA; OK-317  
*Solidago altissima* L. ssp. *gilvocanescens* (Rydb.) Semple (prairie goldenrod); P; F; FACU; BHBCHA,  
DAOF; OK-434  
*Solidago gigantea* Aiton (giant goldenrod); P; F; FAC; SEEP; OK-432  
*Solidago rigida* L. ssp. *rigida* (stiff goldenrod); P; F; FACU; DAOF; OK-424  
*Solidago ulmifolia* Michx. ex Willd. (elmleaf goldenrod); P; F; none; QMQSCCFA; OK-433  
\**Sonchus asper* (L.) Hill (spiny sowthistle); A; F; FAC; DAOF; OK-208  
*Symphyotrichum drummondii* (Lindl.) G.L. Nesom var. *texanum* (E.S. Burgess) G.L. Nesom (blue wood  
aster); P; F; none; QMQSCCFA; OK-428  
*Symphyotrichum ericoides* (L.) G.L. Nesom var. *ericoides* (white heath aster); P; F; FACU; DAOF;  
OK-023  
*Symphyotrichum lanceolatum* (Willd.) G.L. Nesom var. *lanceolatum* (white panicle aster); P; F; FACW;  
QMQSCCFA; OK-430  
*Symphyotrichum oolentangiense* (Riddell) G.L. Nesom (skyblue aster); P; F; none; URCLFPFAFA;  
OKW-220  
*Symphyotrichum praealtum* (Poir.) G.L. Nesom (willowleaf aster); P; F; FACW; DAOF; OK-429  
*Symphyotrichum subulatum* (Michx.) G.L. Nesom (salt marsh aster); P; F; OBL; DAOF, HWV; OK-059  
\**Taraxacum officinale* F.H. Wigg. (common dandelion); P; F; FACU; DAOF; OK-462  
*Tetraneuris linearifolia* (Hook.) Greene (fineleaf fournerved daisy); A; F; none; MRCMHA; OK-182  
*Thelesperma filifolium* (Hook.) A. Gray (stiff greenthread); P; F; none; BHBCHA; OKW-064  
*Verbesina alternifolia* (L.) Britton ex Kearney (wingstem); P; F; FAC; QMQSCCFA; OK-074  
*Verbesina virginica* L. (Virginia crownbeard); P; F; FACU; URCLFPFAFA; OK-316  
*Vernonia baldwinii* Torr. (Baldwin's ironweed); P; F; FACU; DAOF; OK-061  
*Vernonia missurica* Raf. (Missouri ironweed); P; F; FACW; SEEP; OK-553  
*Xanthium strumarium* L. (rough cocklebur); A; F; FAC; HWV; OK-031

**Berberidaceae**

*Podophyllum peltatum* L. (mayapple); P; F; FACU; QMQSCCFA; OK-128

**Betulaceae**

†*Alnus maritima* (Marshall) Muhl. ex Nutt. (seaside alder); P; S; OBL; AMAFSA; OKW-173; S2G3

**Bignoniaceae**

*Campsis radicans* (L.) Seem. ex Bureau (trumpet creeper); P; V; FACU; QMQSCCFA; OK-131

**Boraginaceae**

*Lithospermum incisum* Lehm. (narrowleaf puccoon); P; F; none; DAOF; OK-262

*Myosotis verna* Nutt. (spring forget-me-not); A; F; FAC; BHBCHA, QMQSCCFA; OK-465

**Brassicaceae**

\**Capsella bursa-pastoris* (L.) Medik. (shepherd's purse); A; F; FACU; DAOF; OK-465

*Cardamine parviflora* L. (sand bittercress); A; F; FACW; DAOF; OK-281

\**Chorispora tenella* (Pall.) DC. (crossflower); A; F; none; DAOF; OKW-084

- \**Descurainia sophia* (L.) Webb ex Prantl (herb sophia); A; F; none; DAOF; OKW-080  
*Draba brachycarpa* Nutt. ex Torr. & A. Gray (shortpod draba); A; F; none; DAOF; OK-279  
*Draba reptans* (Lam.) Fernald (Carolina draba); A; F; none; BHBCHA; OKW-094  
\**Lepidium densiflorum* Schrad. (common pepperweed); A; F; FAC; DAOF; OK-367  
\**Nasturtium officinale* W.T. Aiton (watercress); P; F; OBL; SEEP; OK-019  
*Physaria gracilis* (Hook.) O'Kane & Al-Shehbaz (spreading bladderpod); A; F; FACW; AMAFSA;  
OK-265  
*Physaria ovalifolia* (Rydb.) O'Kane & Al-Shehbaz ssp. *alba* (Goodman) O'Kane & Al-Shehbaz  
(roundleaf bladderpod); P; F; none; BHBCHA; OK-543  
*Physaria ovalifolia* (Rydb.) O'Kane & Al-Shehbaz ssp. *ovalifolia* (roundleaf bladderpod); P; F; none;  
MRCMHA; OKW-209  
*Rorippa palustris* (L.) Besser (bog yellowcress); A; F; OBL; HWV; OK-387  
*Rorippa sessiliflora* (Nutt.) Hitchc. (stalkless yellowcress); A; F; OBL; HWV; OKW-196  
\**Sisymbrium officinale* (L.) Scop. (hedgemustard); A; F; none; DAOF; OK-097  
\**Thlaspi arvense* L. (field pennycress); A; F; FACU; DAOF; OKW-051

### Cactaceae

- Echinocereus reichenbachii* (Terscheck ex Walp.) J.N. Haage (lace hedgehog cactus); P; F; none;  
BHBCHA, MRCHHA; OKW-144  
*Opuntia humifusa* (Raf.) Raf. (devil's tongue); P; S; none; DAOF; OK-549  
*Opuntia phaeacantha* Engelm. (tulip pricklypear); P; S; none; BHBCHA; OKW-219

### Campanulaceae

- Lobelia cardinalis* L. (cardinalflower); P; F; FACW; AMAFSA; OK-009  
*Lobelia siphilitica* L. (great blue lobelia); P; F; OBL; SEEP; OK-086  
*Triodanis leptocarpa* (Nutt.) Nieuwl. (western Venus' lookingglass); A; F; none; DAOF; OK-374  
*Triodanis perfoliata* (L.) Nieuwl. ssp. *biflora* (Ruiz & Pav.) Lammers (clasping Venus' looking glass); A;  
F; FAC; MRCMHA; OK-484

### Cannabaceae

- Celtis laevigata* Willd. (sugarberry); P; T; FAC; URCLFPFAFA; OK-277

### Caprifoliaceae

- \**Lonicera japonica* Thunb. (Japanese honeysuckle); P; V; FACU; SEEP; OK-163  
*Symphoricarpos orbiculatus* Moench (coralberry); P; S; FACU; BHBCHA; OKW-042

### Caryophyllaceae

- \**Arenaria serpyllifolia* L. (thymeleaf sandwort); A; F; FACU; DAOF; OK-200  
*Cerastium brachypodium* (Engelm. ex A. Gray) B.L. Rob. (shortstalk chickweed); P; F; FACU; DAOF;  
OK-286  
\**Cerastium glomeratum* Thuill. (sticky chickweed); A; F; FACU; DAOF; OK-289  
\**Cerastium pumilum* W. Curtis (European chickweed); A; F; none; DAOF; OK-288  
\**Dianthus armeria* L. (Deptford pink); A; F; UPL; DAOF; OKW-213  
*Minuartia drummondii* (Shinners) McNeill (Drummond's stitchwort); A; F; none; BHBCHA; OKW-120  
*Minuartia michauxii* (Fenzl) Farw. (rock sandwort); A; F; none; MRCMHA; OK-540  
*Minuartia patula* (Michx.) Mattf. (pitcher's stitchwort); A; F; FAC; DAOF; OK-287  
*Paronychia virginica* Spreng. (yellow nailwort); P; F; none; BHBCHA; OK-394

*Silene antirrhina* L. (sleepy catchfly); A; F; none; BHBCHA, DAOF; OK-518

*Silene stellata* (L.) W.T. Aiton (widowsfrill); P; F; none; QMQSCCFA; OK-255

\**Stellaria media* (L.) Vill. (common chickweed); A; F; FACU; AMAFSA, URCLFPFAFA; OK-270

### Celastraceae

*Celastrus scandens* L. (American bittersweet); P; V; UPL; SEEP; OK-350

### Cleomaceae

*Polanisia dodecandra* (L.) DC. (redwhisker clammyweed); A; F; FACU; BHBCHA; OKW-010

### Commelinaceae

*Commelina erecta* L. (whitemouth dayflower); P; F; FACU; BHBCHA, DAOF; OK-231

*Commelina virginica* L. (Virginia dayflower); P; F; FAC; AMAFSA, URCLFPFAFA; OK-331

*Tradescantia ohensis* Raf. (Ohio spiderwort); P; F; FACU; BHBCHA; OKW-216

### Convolvulaceae

*Convolvulus equitans* Benth. (Texas bindweed); P; F; FACU; BHBCHA, MRCMHA; OK-139

*Cuscuta indecora* Choisy var. *indecora* (showy dodder); P; F; none; BHBCHA; OK-497

*Dichondra carolinensis* Michx. (Carolina ponyfoot); P; F; FAC; DAOF; OKW-218

*Evolvulus nuttallianus* Schult. (shaggy dwarf morning-glory); P; F; none; MRCMHA; OK-152

\**Ipomoea hederacea* Jacq. (ivyleaf morning-glory); A; F; FAC; AMAFSA; OK-436

*Ipomoea lacunosa* L. (whitestar); A; F; FACW; AMAFSA; OK-038

### Cornaceae

*Cornus drummondii* C.A. Mey. (roughleaf dogwood); P; T; FACQ; MQSCCFA; OK-522

### Crassulaceae

*Sedum nuttallii* Torr. & E. James ex Eaton (yellow stonecrop); A; F; none; BHBCHA; OKW-133

*Sedum pulchellum* Michx. (widowscross); A; F; FACU; BHBCHA, MRCMHA; OK-148

### Cucurbitaceae

*Cucurbita foetidissima* Kunth (buffalo gourd); P; F; none; DAOF; OK-490

\**Cucurbita pepo* L. (gourd); A; F; none; AMAFSA; OK-060

*Melothria pendula* L. (Guadeloupe cucumber); P; F; FAC; DAOF; OK-036

*Sicyos angulatus* L. (oneseed burr cucumber); A; F; FACW; AMAFSA, URCLFPFAFA; OK-398

### Cupressaceae

*Juniperus virginiana* L. (eastern redcedar); P; T; UPL; QMQSCCFA; OKW-183

### Cyperaceae

*Carex albicans* Willd. ex Spreng. (whitetinge sedge); P; G; FACU; QMQSCCFA; OK-461

*Carex aureolensis* Steud. (goldenfruit sedge); P; G; none; AMAFSA; OK-408

*Carex blanda* Dewey (eastern woodland sedge); P; G; FAC; QMQSCCFA; OK-409

*Carex brevior* (Dewey) Mack. (shortbeak sedge); P; G; FAC; BHBCHA; OKW-150

*Carex bulbostylis* Mack. (false hair sedge); P; G; FACW; QSQMCCWA; OKW-199

*Carex bushii* Mack. (Bush's sedge); P; G; OBL; DAOF; OK-546

*Carex caroliniana* Schwein. (Carolina sedge); P; G; OBL; QMQSCCFA; OKW-147

- Carex cephalophora* Muhl. ex Willd. (oval-leaf sedge); P; G; OBL; URCLFPFAFA; OK-410  
*Carex cherokeensis* Schwein. (Cherokee sedge); P; G; FACW; QMQSCCFA; OK-237  
*Carex complanata* Torr. & Hook. (hirsute sedge); P; G; FAC; URCLFPFAFA; OKW-151  
*Carex corrugata* Fernald (prune-fruit sedge); P; G; FACW; URCLFPFAFA; OK-456  
*Carex emoryi* Dewey (Emory's sedge); P; G; OBL; HWV; OKW-205  
*Carex festucacea* Schkuhr ex Willd. (fescue sedge); P; G; FACW; URCLFPFAFA; OK-458  
*Carex frankii* Kunth (Frank's sedge); P; G; OBL; HWV; OK-229  
*Carex granularis* Muhl. ex Willd. (limestone meadow sedge); P; G; OBL; URCLFPFAFA; OK-550  
*Carex grisea* Wahlenb. (inflated narrow-leaf sedge); P; G; FACW; URCLFPFAFA; OK-547  
*Carex leavenworthii* Dewey (Leavenworth's sedge); P; G; none; URCLFPFAFA; OK-411  
*Carex microdonta* Torr. & Hook. (littletooth sedge); P; G; OBL; DAOF; OK-415  
*Carex perdentata* S.D. Jones (sand sedge); P; G; none; URCLFPFAFA; OK-457  
*Carex retroflexa* Muhl. ex Willd. (knotsheath sedge); P; G; FACU; QMQSCCFA; OK-545  
*Carex vulpinoidea* Michx. (fox sedge); P; G; FACW; HWV; OK-417  
*Cyperus acuminatus* Torr. & Hook. ex Torr. (taperleaf flat sedge); P; G; OBL; HWV; OK-050  
*Cyperus echinatus* (L.) Alph. Wood (globe flatsedge); P; G; FAC; DAOF; OK-329  
*Cyperus esculentus* L. (chufa flatsedge); P; G; FACW; DAOF; OK-423  
*Cyperus lupulinus* (Spreng.) Marcks (Great Plains flatsedge); P; G; FACU; DAOF; OK-559  
*Cyperus odoratus* L. (fragrant flatsedge); P; G; FACW; HWV; OK-052  
*Cyperus retroflexus* Buckley (oneflower flatsedge); P; G; none; QMQSCCFA; OK-498  
*Cyperus retrorsus* Chapm. (pine barren flatsedge); P; G; FAC; DAOF; OKW-232  
*Cyperus setigerus* Torr. & Hook. (lean flatsedge); P; G; FAC; SEEP; AB-12359  
*Cyperus squarrosus* L. (bearded flatsedge); A; G; OBL; SEEP; OK-499  
*Cyperus strigosus* L. (strawcolored flatsedge); P; G; FACW; SEEP; OK-087  
*Eleocharis acicularis* (L.) Roem. & Schult. (needle spikerush); A; G; OBL; HWV; OKW-068  
*Eleocharis compressa* Sull. var. *acutisquamata* (Buckley) S. G. Sm. (sharpscale spikerush); P; G;  
FACW; HWV; OK-404  
*Eleocharis engelmannii* Steud. (Engelmann's spikerush); A; G; FACW; HWV; OK-414  
*Eleocharis montevidensis* Kunth (sand spikerush); P; G; FACW; HWV, SEEP; OK-407  
*Eleocharis obtusa* (Willd.) Schult. (blunt spikesedge); A; G; OBL; HWV; OK-051  
*Eleocharis palustris* (L.) Roem. & Schult. (common spikerush); P; G; OBL; HWV; OK-094  
*Eleocharis parvula* (Roem. & Schult.) Link ex Bluff, Nees & Schauer (dwarf spikerush); A; G; OBL;  
HWV; OKW-004  
*Eleocharis quadrangulata* (Michx.) Roem. & Schult. (squarestem spikerush); P; G; OBL; HWV; OK-215  
*Fimbristylis puberula* (Michx.) Vahl var. *puberula* (hairy fimbry); P; G; OBL; BHBCHA, DAOF; OK-515  
*Fuirena simplex* Vahl (western umbrella-sedge); P; G; OBL; SEEP; OK-084  
*Isolepis carinata* Hook. & Arn. ex Torr. (keeled bulrush); A; G; FACW; HWV; OK-516  
*Rhynchospora harveyi* W. Boott (Harvey's beakrush); P; G; FAC; DAOF; OK-468  
*Schoenoplectus pungens* (Vahl) Palla (common threesquare); P; G; OBL; SEEP; OK-202  
*Scirpus pendulus* Muhl. (rufous bulrush); P; G; OBL; SEEP; OK-168  
*Scleria verticillata* Muhl. ex Willd. (low nutrush); A; G; OBL; SEEP; OK-258

### Ebenaceae

*Diospyros virginiana* L. (common persimmon); P; T; FAC; QMQSCCFA; OK-162

### Elatinaceae

†*Bergia texana* (Hook.) Seub. ex Walp. (Texas bergia); P; F; OBL; HWV; OKW-162; S2G5

**Euphorbiaceae**

- Acalypha monococca* (Engelm. ex A. Gray) Lill. W. Mill. & Gandhi (slender threeseed mercury); A; F; none; BHBCHA; OKW-067
- Acalypha ostryifolia* Riddell (pineland threeseed Mercury); A; F; none; QMQSCCFA; OK-248
- Acalypha rhomboidea* Raf. (Virginia threeseed Mercury); A; F; FACU; URCLFPFAFA; OK-039
- Acalypha virginica* L. (Virginia threeseed Mercury); A; F; FACU; URCLFPFAFA; OKW-036
- Croton capitatus* Michx. (woolly croton); A; F; none; DAOF; OK-246
- Croton monanthogynus* Michx. (prairie tea); A; F; none; DAOF; OK-007
- Ditaxis mercurialina* (Nutt.) J.M. Coulter. (tall silverbush); P; F; none; BHBCHA; OKW-018
- Euphorbia cyathophora* Murray (fire on the mountain); A; F; UPL; URCLFPFAFA; OK-399
- Euphorbia dentata* Michx. (toothed spurge); A; F; none; URCLFPFAFA; OK-045
- Euphorbia maculata* L. (spotted sandmat); A; F; FACU; DAOF; OK-056
- Euphorbia missurica* Raf. (prairie sandmat); A; F; none; BHBCHA; OKW-164
- Euphorbia nutans* Lag. (eyebane); A; F; FACU; BHBCHA; OK-296
- Euphorbia spathulata* Lam. (warty spurge); A; F; FACU; MRCMHA; OK-183
- Stillingia sylvatica* L. (queen's-delight); P; F; none; BHBCHA; OKW-009
- Tragia ramosa* Torr. (nettle-leaf noseburn); P; F; none; MRCMHA; OK-482

**Fabaceae**

- Amorpha fruticosa* L. (false índigo); P; S; FACW; AMAFSA; OK-178
- Amphicarpaea bracteata* (L.) Fernald (American hogpeanut); A; F; FACU; URCLFPFAFA; OKW-046
- Apios americana* Medik. (groundnut); P; F; FAC; SEEP; OK-292
- Astragalus crassicarpus* Nutt. (groundplum milkvetch); P; F; none; DAOF; OK-565
- Astragalus nuttallianus* DC. (Nuttall's milkvetch); P; F; none; MRCMHA; OK-539
- Baptisia australis* (L.) R. Br. (blue wild indigo); P; F; UPL; DAOF; OK-533
- Baptisia bracteata* Muhl. ex Elliott (longbract wild indigo); P; F; none; BHBCHA; OKW-079
- Cercis canadensis* L. (eastern redbud); P; T; UPL; QMQSCCFA; OK-274
- Chamaecrista fasciculata* (Michx.) Greene (partridge pea); A; F; FACU; DAOF; OK-221
- Dalea aurea* Nutt. ex Fraser (golden prairie clover); P; F; none; BHBCHA; OK-323
- Dalea candida* Michx. ex Willd. (white prairie clover); P; F; none; BHBCHA; OK-111
- Dalea purpurea* Vent. (violet prairie clover); P; F; none; BHBCHA; OK-140
- Desmanthus illinoensis* (Michx.) MacMill. ex B.L. Rob. & Fernald (prairie bundleflower); P; F; FACU; DAOF; OK-242
- Desmanthus leptolobus* Torr. & A. Gray (slenderlobe bundleflower); P; F; none; DAOF; OKW-222
- Desmodium canescens* (L.) DC. (hoary ticktrefoil); P; F; none; DAOF; OK-556
- Desmodium glutinosum* (Muhl. ex Willd.) Alph. Wood (pointedleaf ticktrefoil); P; F; none; URCLFPFAFA; OKW-027
- Desmodium paniculatum* (L.) DC. (panicled tickclover); P; F; UPL; DAOF; OK-421
- Desmodium sessilifolium* (Torr.) Torr. & A. Gray (sessileleaf ticktrefoil); P; F; none; BHBCHA; OKW-178
- Desmodium tweedyi* Britton (Tweedy's ticktrefoil); P; F; none; DAOF; OK-102
- Galactia regularis* (L.) Britton, Sterns & Poggenb. (eastern milkpea); P; F; none; URCLFPFAFA; OKW-014
- Gleditsia triacanthos* L. (honeylocust); P; T; FACU; QMQSCCFA; OK-337
- Gymnocladus dioicus* (L.) K. Koch (Kentucky coffeetree); P; T; none; QMQSCCFA; OK-531
- \**Kummerowia striata* (Thunb.) Schindl. (Japanese clover); A; F; UPL; DAOF; OK-347
- \**Lathyrus hirsutus* L. (Caley pea); A; F; FAC; DAOF; OK-098

\**Lespedeza cuneata* (Dum. Cours.) G. Don (Chinese lespedeza); P; F; FACU; BHBCHA, DAOF; OKW-039

*Lespedeza texana* Britton ex Small (Texas lespedeza); P; F; none; DAOF; OK-564

*Lespedeza virginica* (L.) Britton (slender lespedeza); P; F; none; DAOF; OK-566

\**Medicago arabica* (L.) Huds. (spotted medick); A; F; none; DAOF; OKW-100

\**Medicago lupulina* L. (black medick); A; F; FACU; DAOF; OK-206

\**Medicago minima* (L.) L. ex Bartal. (burr medick); A; F; none; DAOF; OK-351

\**Melilotus albus* Medik. (sweetclover); A; F; FACU; DAOF; OK-502

\**Melilotus officinalis* (L.) Lam. (yellow sweetclover); A; F; FACU; DAOF; OK-116

*Mimosa nuttallii* (DC. Ex Britton & Rose) B.L. Turner (Nuttall's sensitivebriar); P; F; none; DAOF; OK-373

*Neptunia lutea* (Leavenw.) Benth. (yellow puff); P; F; FACU; BHBCHA; OK-143

*Psoralidium tenuiflorum* (Pursh) Rydb. (slimflower scurfpea); P; F; none; BHBCHA; OK-146

*Robinia pseudoacacia* L. (black locust); P; T; UPL; DAOF; OKW-136

\**Senna occidentalis* (L.) Link (septicweed); A; F; UPL; AMAFSA; OK-070

*Strophostyles helvola* (L.) Elliott (amberique-bean); A; F; FACU; AMAFSA; OK-396

*Stylosanthes biflora* (L.) Britton, Sterns & Poggenb. (sidebeak pencilflower); P; F; none; BHBCHA; OKW-025

†*Styphnolobium affine* (Torr. & A. Gray) Walp. (Eve's necklace); P; T; none; URCLFPFAFA; OK-108; S3G4

\**Trifolium arvense* L. (rabbitfoot clover); A; F; none; DAOF; OK-528

\**Trifolium campestre* Schreb. (field clover); A; F; none; DAOF; OK-365

\**Trifolium repens* L. (white clover); P; F; FACU; DAOF; OK-175

\**Trifolium resupinatum* (reversed clover); A; F; FACU; BHBCHA, DAOF; OKW-115

\**Trifolium vesiculosum* Savi (arrowleaf clover); A; F; none; DAOF; OK-380

\**Vicia sativa* L. (garden vetch); A; F; FACU; BHBCHA; OKW-071

\**Vicia villosa* Roth var. *glabrescens* W.D.J. Koch (winter vetch); A; F; none; DAOF; OK-381

## Fagaceae

*Quercus macrocarpa* Michx. (bur oak); P; T; FACU; QMQSCCFA; OK-013

*Quercus marilandica* Münchh. (blackjack oak); P; T; none; BHBCHA; OKW-098

*Quercus muehlenbergii* Engelm. (chinkapin oak); P; T; FAC; URCLFPFAFA; OK-006

*Quercus shumardii* Buckley (Shumard's oak); P; T; FAC; QMQSCCFA; OKW-032

*Quercus stellata* Wangenh. (post oak); P; T; FACU; BHBCHA; OKW-177

*Quercus velutina* Lam. (black oak); P; T; none; QMQSCCFA; OK-233

## Gentianaceae

†*Centaurium texense* (Griseb.) Fernald (Lady Bird's centaury); A; F; none; MRCMHA; OK-213; S1G4?

*Sabatia campestris* Nutt. (meadow pink); A; F; FAC; BHBCHA, DAOF; OKW-226

## Geraniaceae

\**Erodium cicutarium* (L.) L'Hér. ex Aiton (redstem stork's bill); A; F; none; DAOF; OKW-112

*Geranium carolinianum* L. (Carolina crane's bill); A; F; none; DAOF; OK-181

\**Geranium pusillum* L. (small geranium); A; none; F; DAOF; OKW-134

*Geranium texanum* (Trel.) A. Heller (Texas geranium); A; F; none; DAOF; OK-525

**Grossulariaceae**

*Ribes aureum* Pursh var. *villosum* DC. (golden currant); P; S; FACU; URCLFPFAFA; OKW-092

**Haloragaceae**

*Myriophyllum heterophyllum* Michx. (twoleaf watermilfoil); P; F; OBL; HWV; OK-422

**Hamamelidaceae**

\**Liquidambar styraciflua* L. (sweetgum); P; T; FAC; DAOF; OKW-101

**Heliotropiaceae**

\**Heliotropium indicum* L. (India heliotrope); A; F; FACW; AMAFSA; OK-005

*Heliotropium tenellum* (Nutt.) Torr. (pasture heliotrope); A; F; none; BHBCHA; OK-137

**Hydrophyllaceae**

*Phacelia strictiflora* (Engelm. & A. Gray) A. Gray (prairie phacelia); A; F; none; URCLFPFAFA; OKW-057

**Hypericaceae**

*Hypericum sphaerocarpum* Michx. (roundseed St. Johnswort); P; F; FACU; MRCMHA; OK-520

**Hypoxiaceae**

*Hypoxis hirsuta* (L.) Coville (common goldstar); P; F; FACW; MRCMHA; OK-153

**Iridaceae**

\**Iris pseudacorus* L. (paleyellow iris); P; F; OBL; AMAFSA; OK-257

*Sisyrinchium angustifolium* Mill. (narrowleaf blue-eyed grass); P; F; FACW; BHBCHA, DAOF; OK-532

**Juglandaceae**

*Carya cordiformis* (Wangenh.) K. Koch (bitternut hickory); P; T; FACU; QMQSCCFA; OK-232

*Carya illinoiensis* (Wangenh.) K. Koch (pecan); P; T; FAC; URCLFPFAFA; OK-025

*Juglans nigra* L. (black walnut); P; T; FACU; QMQSCCFA; OK-011

**Juncaceae**

*Juncus brachyphyllus* Wiegand (tuftedstem rush); P; G; FAC; DAOF; OK-091

*Juncus diffusissimus* Buckley (slimpod rush); P; G; FACW; HWV; OK-055

*Juncus filipendulus* Buckley (ringseed rush); P; G; FAC; SEEP; OK-416

*Juncus interior* Wiegand (inland rush); P; G; FACW; BHBCHA; OKW-160

*Juncus marginatus* Rostk. (grassleaf rush); P; G; FACW; HWV; OK-238

*Juncus nodatus* Coville (stout rush); P; G; OBL; HWV; OK-227

*Juncus tenuis* Willd. (poverty rush); P; G; FAC; QMQSCCFA; OK-130

*Juncus torreyi* Coville (Torrey's rush); P; G; FACW; HWV; OK-223

*Juncus validus* Coville (roundhead rush); P; G; FACW; HWV; OK-466

**Krameriaceae**

*Krameria lanceolata* Torr. (trailing ratany); P; F; none; BHBCHA; OK-142

**Lamiaceae**

*Clinopodium glabrum* (Nutt.) Kuntze (limestone calamint); P; F; FAC; MRCMHA; OK-151

*Hedeoma drummondii* Benth. (Drummond's false pennyroyal); P; F; none; BHBCHA; OKW-139  
*Hedeoma hispida* Pursh (rough false pennyroyal); P; F; none; MRCMHA; OK-363  
\**Lamium amplexicaule* L. (henbit deadnettle); A; F; none; DAOF; OK-259  
\**Lamium purpureum* L. (purple deadnettle); A; F; none; AMAFSA; OK-290  
*Lycopus americanus* Muhl. ex W.P.C. Bartram (American bugleweed); P; F; OBL; SEEP; OK-066  
*Monarda clinopodioides* A. Gray (basil bee balm); A; F; none; BHBCHA; OK-214  
*Monarda fistulosa* L. (wild bergamot); P; F; UPL; BHBCHA; OKW-033  
\**Perilla frutescens* (L.) Britton (beefsteakplant); A; F; FAC; AMAFSA, URCLFPFAFA; OK-010  
*Physostegia intermedia* (Nutt.) Engelm. & A. Gray (slender false dragonhead); P; F; OBL; HWV;  
OKW-223  
*Prunella vulgaris* L. (common selfheal); P; F; FAC; URCLFPFAFA; OK-021  
*Pycnanthemum tenuifolium* Schrad. (narrowleaf mountainmint); P; F; FAC; SEEP; OK-110  
*Salvia azurea* Michx. ex Lam. (azure blue sage); P; F; none; BHBCHA; OKW-179  
*Scutellaria lateriflora* L. (mad dog skullcap); P; F; OBL; SEEP; AB-12360  
*Scutellaria parvula* Michx. var. *australis* Fassett (small skullcap); P; F; UPL; MRCMHA; OK-378  
*Stachys tenuifolia* Willd. (slender betony); P; F; FACW; HWV; OKW-234  
*Teucrium canadense* L. (American germander); P; F; FACW; AMAFSA; OK-218  
*Trichostema brachiatum* L. (fluxweed); A; F; none; BHBCHA; OKW-159

### **Lentibulariaceae**

*Utricularia gibba* L. (humped bladderwort); P; F; OBL; SEEP; OK-450

### **Liliaceae**

*Erythronium albidum* Nutt. (white fawnlily); P; F; FACU; QMQSCCFA; OK-460

### **Linaceae**

*Linum medium* (Planch.) Britton var. *texanum* (Planch.) Fernald (stiff yellow flax); A; F; FAC; DAOF;  
OK-504

*Linum pratense* (Norton) Small (meadow flax); A; F; none; MRCMHA; OK-535

*Linum rigidum* Pursh (stiffstem flax); A; F; none; BHBCHA, MRCMHA; OK-210

### **Linderniaceae**

*Lindernia dubia* (L.) Pennell (yellowseed false pimpernel); A; F; OBL; HWV; OK-247

### **Loganiaceae**

†*Mitreola petiolata* (J.F. Gmel.) Torr. & A. Gray (lax hornpod); A; F; FACW; SEEP; OK-085; S1G4G5

### **Lythraceae**

*Ammannia auriculata* Willd. (eared redstem); A; F; OBL; HWV; OK-042

*Ammannia coccinea* Rottb. (valley redstem); A; F; OBL; HWV; OK-054

*Lythrum alatum* Pursh (winged lythrum); P; F; OBL; HWV; OK-326

*Rotala ramosior* L. Koehne (lowland rotala); A; F; none; HWV; OK-053

### **Malvaceae**

\**Abutilon theophrasti* Medik. (velvetleaf); A; F; UPL; DAOF; OK-252

*Callirhoe alcaeoides* (Michx.) A. Gray (pink poppy mallow); P; F; OBL; DAOF; OK-172

*Callirhoe involucrata* (Torr. & A. Gray) A. Gray (purple poppy mallow); P; F; none; DAOF; OK-190

*Callirhoe pedata* (Nutt. ex Hook.) A. Gray (palmleaf poppy-mallow); P; F; none; MRCMHA; OK-481  
*Sida spinosa* L. (prickly fanpetals); A; F; UPL; DAOF; OK-222

#### **Marsileaceae**

†*Marsilea vestita* Hook. & Grev. (hairy waterclover); P; F; OBL; HWV; OKW-003; S3G5

#### **Menispermaceae**

*Cocculus carolinus* (L.) DC. (Carolina coralbead); P; F; FACU; URCLFPFAFA; OK-037

#### **Molluginaceae**

\**Glinus lotoides* L. (lotus sweetjuice); A; F; FACW; HWV; OKW-044

*Mollugo verticillata* L. (green carpetweed); A; F; FAC; DAOF; OK-033

#### **Montiaceae**

*Claytonia virginica* L. (Virginia springbeauty); P; F; FACU; DAOF, QMQSCCFA; OK-260

*Phemeranthus parviflorus* (Nutt.) Kiger (sunbright); P; F; none; BHBCHA; OKW-019

#### **Moraceae**

*Maclura pomifera* (Raf.) C.K. Schneid. (osage orange); P; T; FACU; DAOF; OK-176

\**Morus alba* L. (white mulberry); P; T; FACU; DAOF; OK-552

*Morus rubra* L. (red mulberry); P; T; FACU; QMQSCCFA; OK-388

#### **Najadaceae**

*Najas guadalupensis* (Spreng.) Magnus (southern water-nymph); A; F; OBL; HWV; OKW-157

#### **Nyctaginaceae**

*Mirabilis nyctaginea* (Michx.) MacMill. (heartleaf four o'clock); P; F; UPL; URCLFPFAFA; OK-187

#### **Nymphaeaceae**

*Nuphar advena* (Aiton) W. T. Aiton (yellow pond-lily); P; F; OBL; HWV; OK-184

#### **Oleaceae**

*Forestiera pubescens* Nutt. var. *pubescens* (elbowbush); P; S; FACU; MRCMHA; OK-523

*Fraxinus americana* L. (white ash); P; T; FACU; SEEP, URCLFPFAFA; OK-022

*Fraxinus pennsylvanica* Marsh. (green ash); P; T; FAC; URCLFPFAFA; OK-239

\**Ligustrum quihoui* Carrière (waxyleaf privet); P; S; none; DAOF, QMQSCCFA; OK-062

#### **Onagraceae**

*Ludwigia glandulosa* Walter (cylindricfruit primrose-willow); P; F; OBL; HWV; OK-226

*Ludwigia peploides* (Kunth) P.H. Raven (floating primrose-willow); P; F; OBL; HWV; OK-386

*Ludwigia repens* J.R. Forst. (creeping primrose-willow); P; F; OBL; SEEP; OK-063

*Oenothera berlandieri* (Spach) Steud. ssp. *berlandieri* (Spach) Steud. (Berlandier's sundrops); P; F; none; BHBCHA; OK-395

*Oenothera curtiflora* W.L. Wagner & Hoch (velvety gaura); A; F; UPL; DAOF; OK-449

*Oenothera filiformis* (Small) W.L. Wagner & Hoch (longflower bee-blossom); A; F; none; DAOF; OK-344

*Oenothera glaucifolia* W.L. Wagner & Hoch (false gaura); P; F; none; BHBCHA; OKW-172

*Oenothera laciniata* Hill (cutleaf evening-primrose); P; F; FACU; BHBCHA; OKW-077

*Oenothera linifolia* Nutt. (threadleaf evening-primrose); A; F; none; MRCMHA; OK-514  
*Oenothera macrocarpa* Nutt. (bigfruit evening-primrose); P; F; none; BHBCHA, MRCMHA; OK-132  
*Oenothera spachiana* Torr. & A. Gray (Spach's evening-primrose); A; F; none; BHBCHA; OKW-126  
*Oenothera suffulta* (Engelm.) W.L. Wagner & Hoch (roadside gaura); A; F; none; BHBCHA, MRCMHA; OK-486  
*Oenothera triloba* Nutt. (stemless evening primrose); A; F; none; BHBCHA, MRCMHA; OK-537

### **Ophioglossaceae**

*Botrychium virginianum* (L.) Sw. (rattlesnake fern); P; F; FACU; URCLFPFAFA; OKW-043  
*Ophioglossum engelmannii* Prantl; limestone adderstongue; P; F; FACU; BHBCHA; OKW-188

### **Orchidaceae**

*Spiranthes cernua* (L.) Rich. (nodding lady's tresses); P; F; FACW; DAOF; OK-452  
*Spiranthes lacera* (Raf.) Raf. var. *gracilis* (Bigelow) Luer (northern slender ladies'-tresses); P; F; FAC; DAOF; OK-431  
*Spiranthes magnicamporum* Sheviak (Great Plains lady's tresses); P; F; FAC; SEEP; OK-453  
*Spiranthes vernalis* Engelm. A. Gray (spring ladies'-tresses); P; F; FACW; BHBCHA; OKW-037

### **Orobanchaceae**

*Agalinis heterophylla* (Nutt.) Small (prairie false foxglove); A; F; FAC; DAOF; OK-451  
*Castilleja indivisa* Engelm. (Indian paintbrush); A; F; FAC; BHBCHA, DAOF; OK-141

### **Oxalidaceae**

*Oxalis corniculata* L. (creeping wood sorrel); P; F; FACU; DAOF; OK-080  
*Oxalis violacea* L. (violet wood sorrel); P; F; none; BHBCHA; OKW-109

### **Papaveraceae**

*Argemone polyanthemos* (Fedde) G.B. Ownbey (crested prickly poppy); A; F; none; BHBCHA; OKW 061

### **Passifloraceae**

*Passiflora incarnata* L. (may-pop); P; F; none; DAOF; OK-491  
*Passiflora lutea* L. (yellow passionflower); P; F; none; QMQSCCFA, URCLFPFAFA; OK-338

### **Penthoraceae**

*Penthorum sedoides* L. (ditch stonecrop); P; F; OBL; AMAFSA; OKW-013

### **Phrymaceae**

*Mimulus alatus* Aiton (sharpwing monkeyflower); P; F; OBL; AMAFSA; OK-035  
*Phryma leptostachya* L. (American lopseed); P; F; FACU; QMQSCCFA; OK-125

### **Phyllanthaceae**

*Phyllanthus polygonoides* Nutt. ex Spreng. (smartweed leaf-flower); P; F; none; MRCMHA; OK-145

### **Phytolaccaceae**

*Phytolacca americana* L. (pokeweed); P; F; FACU; DAOF; OK-123

**Plantaginaceae**

- Bacopa rotundifolia* (Michx.) Wettst. (disk waterhyssop); P; F; OBL; HWV; OK-253  
*Callitricha heterophylla* Pursh (greater waterstarwort); A; F; OBL; HWV; OKW-210  
*Gratiola neglecta* Torr. (clammy hedgehyssop); A; F; OBL; HWV; OK-362  
*Gratiola virginiana* L. (roundfruit hedgehyssop); A; F; OBL; HWV; OKW-204  
*Leucospora multifida* (Michx.) Nutt. (narrowleaf paleseed); A; F; FACW; DAOF, HWV; OK-249  
*Nuttallanthus texanus* (Scheele) D.A. Sutton (Texas toadflax); A; F; none; BHBCHA; OKW-075  
*Penstemon cobaea* Nutt. var. *purpureus* Pennell (cobaea beardtongue); P; F; none; BHBCHA;  
 OKW-145  
*Plantago aristata* Michx. (bottlebrush plantain); A; F; none; MRCMHA; OK-366  
*Plantago elongata* Pursh (prairie plantain); A; F; FACW; BHBCHA; OKW-081  
*Plantago rugelii* Decne. (blackseed plantain); P; F; FACU; HWV; OKW-227  
*Plantago virginica* L. (paleseed plantain); A; F; FACU; DAOF; OK-384  
*Plantago wrightiana* Decne. (Wright's plantain); A; F; none; BHBCHA, MRCMHA; OKW-140  
*Veronica anagallis-aquatica* L. (water speedwell); P; F; OBL; AMAFSA; OK-197  
 \**Veronica arvensis* L. (corn speedwell); A; F; FACU; DAOF; OK-280  
*Veronica peregrina* L. (purslane speedwell); A; F; FACW; DAOF; OK-276  
 \**Veronica persica* Poir. (birdeye speedwell); A; F; none; AMAFSA, DAOF; OK-267

**Platanaceae**

- Platanus occidentalis* L. (American sycamore); P; T; FAC; DAOF, URCLFPFAFA; OK-332

**Poaceae**

- \**Aegilops cylindrica* Host (jointed goatgrass); A; G; none; DAOF; OK-115  
*Agrostis hyemalis* (Walter) Britton, Sterns & Poggenb. (winter bentgrass); P; G; FACW; MRCMHA;  
 OK-472  
 \**Aira elegantissima* Schur (annual silver hairgrass); A; G; FACW; DAOF; OK-469  
*Alopecurus carolinianus* Walter (Carolina foxtail); A; G; FACW; HWV; OK-155  
*Andropogon gerardii* Vitman (big bluestem); P; G; FACU; BHBCHA; OK-297  
*Andropogon glomeratus* (bushy bluestem); P; G; FACW; HWV, SEEP; OK-001  
*Andropogon ternarius* Michx. (splitbeard bluestem); P; G; FACU; DAOF; OK-561  
*Andropogon virginicus* L. (broomsedge bluestem); P; G; FACU; BHBCHA; OKW-180  
*Aristida oligantha* Michx. (prairie threeawn); A; G; none; DAOF; OK-346  
*Aristida purpurea* Nutt. var. *wrightii* (Nash) Allred (Wright's threeawn); P; G; none; MRCMHA; OK-485  
*Arundinaria gigantea* (Walter) Muhl. (giant cane); P; G; FACW; URCLFPFAFA; OK-313  
 \**Bothriochloa ischaemum* (L.) Keng (yellow bluestem); P; G; none; DAOF; OK-312  
*Bothriochloa laguroides* (DC.) Herter (silver beardgrass); P; G; none; DAOF; OK-328  
*Bouteloua curtipendula* (Michx.) Torr. (sideoats grama); P; G; none; BHBCHA; OK-492  
*Bouteloua dactyloides* (Nutt.) Columbus (buffalo grass); P; G; FACU; BHBCHA; OK-133  
*Bouteloua hirsuta* Lag. (hairy grama); P; G; none; BHBCHA; OK-299  
*Bouteloua rigidiseta* (Steud.) Hitchc. (Texas grama); P; G; none; BHBCHA; OK-134  
 \**Briza minor* L. (little quakinggrass); A; G; FAC; MRCMHA; OK-209  
 \**Bromus catharticus* Vahl (resuce grass); A; G; none; DAOF; OK-188  
*Bromus pubescens* Muhl. ex Willd. (hairy woodland brome); P; G; FACU; QMQSCCF; OK-124  
 \**Bromus racemosus* L. (bald brome); A; G; none; DAOF; OK-353  
 \**Bromus sterilis* L. (poverty brome); A; G; none; BHBCHA; OKW-118  
*Cenchrus spinifex* Cav. (coastal sandbur); P; G; none; BHBCHA; OKW-066

- Chasmanthium latifolium* (Michx.) H.O. Yates (Indian woodoats); P; G; FACU; URCLFPFAFA; OK-012  
\**Chloris verticillata* Nutt.; windmill grass; P; G; none; DAOF; OK-144  
*Coleataenia anceps* (Michx.) Soreng (beaked panicgrass); P; G; FAC; URCLFPFAFA; OK-024  
*Coleataenia longifolia* (Torr.) Soreng ssp. *rigidula* (Bosc ex Nees) Soreng (redtop panicgrass); P; G;  
FACU; HWV, SEEP; OK-018  
\**Cynodon dactylon* (L.) Pers. (Bermudagrass); P; G; FACU; DAOF; OK-322  
\**Dactylis glomerata* L.; orchardgrass; P; G; FACU; DAOF; OK-334  
*Diarrhena obovata* (Gleason) Brandenburg (ovoblate beakgrass); P; G; FAC; URCLFPFAFA; OK-358  
*Dichanthelium aciculare* (Desv. ex Poir.) Gould & C.A. Clark (needleleaf rosette grass); P; G; FACU;  
DAOF; OK-454  
*Dichanthelium acuminatum* (Sw.) Gould & C. A. Clark var. *lindheimeri* (Nash) Gould & C.A. Clark  
(Lindheimer panicgrass); P; G; FAC; DAOF; OK-224  
*Dichanthelium laxiflorum* (Lam.) Gould (openflower rosette grass); P; G; FAC; QMQSCCFA; OK-471  
*Dichanthelium linearifolium* (Scribn.) Gould (slim-leaf rosette grass); P; G; none; QSQMCCWA;  
OKW-200  
*Dichanthelium malacophyllum* (Nash) Gould (softleaf rosette grass); P; G; none; QMQSCCFA; OK-419  
*Dichanthelium oligosanthes* (Schult.) Gould (Heller's rosette grass); P; G; FACU; DAOF; OK-081  
*Dichanthelium sphaerocarpon* (Elliott) Gould (roundseed panicum); P; G; FACU; BHBCHA; OKW-149  
*Digitaria ciliaris* (Retz.) Pers. (southern crabgrass); A; G; FACU; AMAFSA, DAOF; OK-078  
*Digitaria cognata* (Schult.) Pilg. (Carolina crabgrass); P; G; none; BHBCHA; OKW-186  
\**Echinochloa crus-galli* (L.) P. Beauv. (barnyard grass); A; G; FAC; AMAFSA, HWV; OK-079  
*Echinochloa muricata* (P. Beauv.) Fernald (rough barnyard grass); A; G; FACW; HWV; OK-047  
\**Eleusine indica* (L.) Gaertn. (Indian goosegrass); A; G; FACU; DAOF; OK-295  
*Elymus virginicus* L. (Virginia wildrye); P; G; FAC; DAOF; OK-101  
\**Eragrostis barrelieri* Daveau (Mediterranean lovegrass); A; G; none; BHBCHA; OKW-065  
\**Eragrostis cilianensis* (Bellardi) Vignolo ex Janch. (stinkgrass); A; G; FACU; DAOF; OK-359  
*Eragrostis curtipedicellata* Buckley (gummy lovegrass); P; G; none; BHBCHA, DAOF; OK-234  
*Eragrostis hirsuta* (Michx.) Nees (bigtop lovegrass); P; G; FACU; BHBCHA; OKW-195  
\**Eragrostis pilosa* (L.) P. Beauv.; Indian lovegrass; A; G; FACU; BHBCHA, DAOF; OK-088  
*Erioneuron pilosum* (Buckley) Nash (hairy woolygrass); P; G; none; MRCMHA; OK-487  
*Festuca subverticillata* (Pers.) E.B. Alexeev (nodding fescue); P; G; FACU; QMQSCCFA; OK-356  
*Glyceria striata* (Lam.) Hitchc. (fowl mannagrass); P; G; OBL; AMAFSA; OK-193  
*Hordeum pusillum* Nutt. (little barley); A; G; FACU; DAOF; OK-159  
*Leersia oryzoides* (L.) Sw. (rice cutgrass); P; G; OBL; AMAFSA; OK-075  
*Leersia virginica* Willd. (whitegrass); P; G; FACW; AMAFSA; OK-319  
*Leptochloa fusca* (L.) Kunth ssp. *fascicularis* (Lam.) N. Snow (bearded sprangletop); A; G; FACW;  
HWV; OKW-007  
*Leptochloa panicea* (Retz.) Ohwi ssp. *mucronata* (Michx.) Nowack (mucronate sprangletop); A; G;  
FACW; AMAFSA, HWV; OK-043  
\**Lolium perenne* L. (perennial ryegrass); P; G; FACU; DAOF; OK-156  
*Mnesithea cylindrica* (Michx.) de Koning & Sosef (cylinder jointtail grass); P; G; FAC; DAOF; OK-495  
*Muhlenbergia reverchonii* Vasey & Scribn. (seep muhly); P; G; FAC; MRCMHA; OK-348  
*Muhlenbergia schreberi* J.F. Gmel. (nimblewill); P; G; FACU; HWV; OKW-162  
*Muhlenbergia sobolifera* (Muhl. ex Willd.) Trin.; rock muhly; P; G; none; QMQSCCFA; OK-082  
*Nassella leucotricha* (Trin. & Rupr.) R.W. Pohl (Texas tussockgrass); P; G; none; BHBCHA, DAOF;  
OK-355  
*Panicum capillare* L. (witchgrass); A; G; FAC; DAOF; OK-241

- Panicum dichotomiflorum* Michx. (fall panicgrass); A; G; FAC; DAOF; OK-057  
*Panicum philadelphicum* Bernh. ex Trin. (Philadelphia panicgrass); A; G; FAC; DAOF; OK-361  
*Panicum virgatum* L. (switchgrass); P; FAC; G; BHBCHA, DAOF; OK-300  
*Paspalum dilatatum* Poir. (dallis grass); P; G; FAC; DAOF; OKW-224  
\**Paspalum distichum* Houtt. (knotgrass); P; G; FACW; DAOF; OK-092  
*Paspalum floridanum* Michx. (Florida paspalum); P; G; FACW; DAOF; OK-058  
*Paspalum setaceum* Michx. (slender paspalum); P; G; FAC; BHBCHA, DAOF; OK-500  
\**Poa annua* L. (annual bluegrass); A; G; FACU; DAOF; OK-510  
\**Poa pratensis* L. (Kentucky bluegrass); P; G; FACU; QMQSCCFA; OK-519  
\**Schedonorus arundinaceus* (Schreb.) Dumort. (tall fescue); P; G; FACU; DAOF; OK-354  
*Schizachyrium scoparium* (Michx.) Nash (little bluestem); P; G; FACU; BHBCHA; OK-301  
\**Sclerochloa dura* (L.) P. Beauv. (common hardgrass); A; G; none; DAOF; OKW-127  
*Setaria parviflora* (Poir.) Kerguélen (marsh bristlegrass); P; G; FAC; DAOF; OK-360  
\**Setaria pumila* (Poir.) Roem. & Schult.; yellow foxtail; A; G; FACU; DAOF; OK-342  
*Sorghastrum nutans* (L.) Nash (Indiangrass); P; G; FACU; BHBCHA, DAOF; OK-027  
*Sphenopholis obtusata* (Michx.) Scribn. (prairie wedgescale); P; G; FAC; BHBCHA; OKW-054  
*Sporobolus compositus* (Poir.) Merr. var. *drummondii* (Trin.) Kartesz & Gandhi (Drummond's dropseed); P; G; none; DAOF; OK-558  
*Sporobolus cryptandrus* (Torr.) A. Gray (sand dropseed); P; G; FACU; DAOF; OKW-230  
*Sporobolus vaginiflorus* (Torr. ex A. Gray) Alph. Wood var. *ozarkanus* (Fernald) Shinners (Ozark dropseed); A; G; none; DAOF; OK-437  
*Steinchisma hians* (Elliott) Nash (gaping grass); P; G; FACW; HWV; OK-029  
*Tridens flavus* (L.) Hitchc. (purpletop tridens); P; G; UPL; BHBCHA, DAOF; OK-268  
*Tridens strictus* (Nutt.) Nash (longspike tridens); P; G; UPL; DAOF; OK-026  
*Tripsacum dactyloides* (L.) L. (eastern gamagrass); P; G; FAC; DAOF; OKW-212  
\**Triticum aestivum* L. (common wheat); A; G; none; DAOF; OK-511  
*Vulpia ciliata* (Raf.) Fernald (squirreltail fescue); A; G; none; BHBCHA; OKW-062  
\**Zea mays* L. (corn); A; G; none; DAOF; OKW-236

### **Polygalaceae**

- Polygala incarnata* L. (procession flower); A; F; FAC; BHBCHA; OK-112  
*Polygala verticillata* L. (whorled milkwort); A; F; FACU; DAOF; OK-096

### **Polygonaceae**

- Eriogonum longifolium* Nutt. (longleaf buckwheat); P; F; none; BHBCHA; OKW-174  
*Fallopia convolvulus* (L.) Á. Löve (black bindweed); A; F; FACU; QSQMCCWA; OKW-202  
*Persicaria hydropiperoides* (Michx.) Small (swamp smartweed); A; F; OBL; HWV; OK-228  
*Persicaria lapathifolia* (L.) Gray (curlytop knotweed); A; F; OBL; HWV; OK-048  
*Persicaria pensylvanica* (L.) M. Gómez (Pennsylvania smartweed); A; F; FACW; HWV; OKW-038  
*Persicaria punctata* (Elliott) Small (dotted smartweed); A; F; none; HWV; OK-049  
*Persicaria virginiana* (L.) Gaertn. (jumpseed); P; F; FAC; URCLFPFAFA; OKW-047  
*Polygonum ramosissimum* Michx. (bushy knotweed); A; F; FACW; DAOF; OK-425  
*Rumex altissimus* Alph. Wood (pale dock); P; F; FAC; HWV; OK-382  
\**Rumex crispus* L. (curly dock); P; F; FAC; BHBCHA, HWV; OK-180  
*Rumex hastatus* Baldwin (heartwing sorrel); P; F; FAC; DAOF; OK-285

### Pontederiaceae

*Heteranthera limosa* (Sw.) Willd. (blue mudplantain); A; F; OBL; HWV; OKW-023

### Portulacaceae

*Portulaca oleracea* L. (little hogweed); A; F; FAC; HWV; OKW-045

*Portulaca pilosa* L. (kiss me quick); A; F; FACU; DAOF; OK-245

### Potamogetonaceae

*Potamogeton foliosus* Raf. (leafy pondweed); P; F; OBL; HWV; OK-385

*Potamogeton nodosus* Poir. (longleaf pondweed); P; F; OBL; HWV; OK-046

*Zannichellia palustris* L. (horned pondweed); P; F; OBL; HWV; OK-170

### Primulaceae

†*Lysimachia quadriflora* Sims (fourflower yellow loosestrife); P; F; FACW; SEEP; OK-089; S1G5?

*Primula meadia* (L.) A.R. Mast & Reveal (pride of Ohio); P; F; FAC; BHBCHA; OKW-076

*Samolus valerandi* L. (seaside brookweed); P; F; none; HWV, SEEP; OK-064

### Pteridaceae

*Pellaea atropurpurea* (L.) Link (purple cliffbrake); P; F; none; URCLFPFAFA; OKW-025

### Ranunculaceae

*Anemone berlandieri* Pritz. (ten-petal windflower); P; F; none; MRCMHA; OK-544

*Clematis pitcheri* Torr. & A. Gray (bluebill); P; F; FACU; URCLFPFAFA; OKW-002

*Delphinium carolinianum* Walter ssp. *virescens* (Nutt.) R.E. Brooks (Carolina larkspur); P; F; none; DAOF; OK-179

*Ranunculus abortivus* L. (littleleaf buttercup); P; F; FAC; AMAFSA; OK-291

*Ranunculus micranthus* Nutt. (rock buttercup); P; F; FACU; HWV; OK-494

\**Ranunculus sardous* Crantz (hairy buttercup); A; F; FAC; HWV; OK-379

*Ranunculus sceleratus* L. (cursed buttercup); A; F; OBL; URCLFPFAFA; OKW-095

### Rhamnaceae

*Berchemia scandens* (Hill) K. Koch (Alabama supplejack); P; V; FAC; QMQSCCFA; OK-165

*Rhamnus caroliniana* Walter (Carolina buckthorn); P; T; FACU; QMQSCCFA; OK-126

### Rosaceae

*Crataegus collina* Chapm. (hillside hawthorn); P; T; none; QMQSCCFA; OK-509

*Crataegus mollis* (Torr. & A. Gray) Scheele (Arnold hawthorn); P; T; FAC; BHBCHA; OKW-107

*Crataegus viridis* L. (green hawthorn); P; T; FAC; QMQSCCFA; OK-402

*Fragaria virginiana* Duchesne ssp. *grayana* (Vilm. ex J. Gay) Staudt (Virginia strawberry); P; F; FACU; URCLFPFAFA; OKW-148

*Geum canadense* Jacq. (white avens); P; F; FAC; QMQSCCFA; OK-186

†*Poteridium annum* (Nutt.) Spach (prairie burnet); A; F; none; BHBCHA, MRCMHA; OK-538; S1G4

*Prunus angustifolia* Marshall (Chickasaw plum); P; S; none; DAOF; OK-114

*Prunus mexicana* S. Watson (Mexican plum); P; T; none; URCLFPFAFA; OK-275

*Rosa foliolosa* Nutt. ex Torr. & A. Gray (white prairie rose); P; F; none; DAOF; OK-093

*Rosa setigera* Michx. (climbing rose); P; S; FACU; URCLFPFAFA, QMQSCCFA; OK-103

*Rubus flagellaris* Willd. (northern dewberry); P; S; UPL; BHBCHA, DAOF; OK-534

*Rubus pensylvanicus* Poir. (Oklahoma blackberry); P; S; FAC; BHBCHA; OK-106

**Rubiaceae**

- Cephalanthus occidentalis* L. (common buttonbush); P; S; OBL; HWV, SEEP; OK-220  
 \**Cruciata pedemontana* (Bellardi) Ehrend. (piedmont bedstraw); A; F; none; DAOF; OK-189  
*Diodella teres* (Walter) Small (poor joe); A; F; FACU; BHBCHA; OK-560  
*Galium aparine* L. (catchweed bedstraw); A; F; FACU; DAOF; OK-195  
*Galium circaezans* Michx. (licorice bedstraw); P; F; FACU; QMQSCCFA; OK-105  
*Galium obtusum* Bigelow (bluntleaf bedstraw); P; F; FACW; SEEP; OK-203  
*Galium virgatum* Nutt. (southwestern bedstraw); A; F; none; MRCMHA; OK-205  
*Houstonia pusilla* Schoepf (tiny bluet); A; F; UPL; DAOF; OK-282  
 \**Sherardia arvensis* L. (blue fieldmadder); A; F; none; DAOF; OK-529  
*Stenaria nigricans* (Lam.) Terrell var. *nigricans* (Lam.) Terrell (diamond-flowers); P; F; none; BHBCHA; OK-324

**Rutaceae**

- Ptelea trifoliata* L. (common hoptree); P; T; FAC; BHBCHA; OKW-143  
*Zanthoxylum americanum* Mill. (prickly ash); P; T; UPL; QMQSCCFA; OKW-155  
*Zanthoxylum clava-herculis* L. (Hercules' club); P; T; FACU; QMQSCCFA; OK-349

**Salicaceae**

- Populus deltoides* W. Bartram ex Marshall (cottonwood); P; T; FAC; URCLFPFAFA; OK-526  
*Salix nigra* Marshall (black willow); P; T; FACW; HWV; OK-530

**Santalaceae**

- Phoradendron serotinum* (Raf.) M.C. Johnst. ssp. *tomentosum* (DC.) Kuijt (Christmas mistletoe); P; F; none; URCLFPFAFA; OK-278

**Sapindaceae**

- Acer negundo* L. (boxelder); P; T; FAC; URCLFPFAFA; OK-263  
*Sapindus saponaria* L. var. *drummondii* (Hook. & Arn.) L.D. Benson (western soapberry); P; T; FACU; QMQSCCFA; OK-199

**Sapotaceae**

- Sideroxylon lanuginosum* Michx. (gum bully); P; T; FACU; QMQSCCFA; OK-107

**Scrophulariaceae**

- \**Verbascum thapsus* L. (common mullein); B; F; UPL; DAOF; OK-113

**Smilacaceae**

- Smilax bona-nox* L. (saw greenbrier); P; V; FACU; QMQSCCFA; OKW-058  
*Smilax rotundifolia* L. (roundleaf greenbrier); P; V; FAC; QMQSCCFA; OK-198  
*Smilax tamnoides* L. (bristly greenbrier); P; V; FAC; QMQSCCFA; OK-118

**Solanaceae**

- \**Datura stramonium* L. (jimsonweed); A; F; none; AMAFSA; OK-489  
 \**Petunia axillaris* (Lam.) Britton, Sterns & Poggenb. (large white petunia); A; F; none; DAOF; OKW-102  
*Physalis angulata* L. (cutleaf groundcherry); A; F; FAC; URCLFPFAFA; OK-448  
*Physalis heterophylla* Nees (clammy groundcherry); P; F; none; QMQSCCFA; OK-473

- Physalis longifolia* Nutt. var. *longifolia* (longleaf groundcherry); P; F; none; URCLFPFAFA; OK-041  
*Physalis longifolia* Nutt. var. *subglabrata* (Mack. & Bush) Cronquist (longleaf groundcherry); P; F; none; URCLFPFAFA; OK-448  
*Physalis mollis* Nutt. (field groundcherry); P; F; none; DAOF; OKW-015  
*Physalis pubescens* L. (husk tomato); A; F; FACU; URCLFPFAFA; OK-040  
*Solanum carolinense* L. (Carolina horsenettle); P; F; UPL; DAOF; OK-236  
*Solanum dimidiatum* Raf. (western horsenettle); P; F; none; DAOF; OK-372  
*Solanum rostratum* Dunal (buffalobur nightshade); A; F; none; DAOF; OK-318  
*Solanum ptychanthum* Dunal (West Indian nightshade); A; F; FACU; URCLFPFAFA; OKW-021

### Typhaceae

- Typha domingensis* Pers. (southern cattail); P; F; OBL; HWV, SEEP; OK-090

### Ulmaceae

- Ulmus alata* Michx. (winged elm); P; T; FACU; QMQSCCFA; OK-488  
*Ulmus americana* L. (American elm); P; T; FAC; QMQSCCFA; OKW-182  
*Ulmus rubra* Muhl. (slippery elm); P; T; FACU; URCLFPFAFA; OK-333

### Urticaceae

- Boehmeria cylindrica* (L.) Sw. (smallspike false nettle); P; F; FACW; HWV, SEEP; OK-034  
*Parietaria pensylvanica* Muhl. ex Willd. (Pennsylvania pellitory); A; F; FAC; URCLFPFAFA; OK-196  
*Pilea pumila* (L.) A. Gray (Canadian clearweed); A; F; FAC; AMAFSA, URCLFPFAFA; OK-336  
†*Urtica chamaedryoides* Pursh (slim stingingnettle); A; F; FACU; URCLFPFAFA; OKW-091; S3G4G5

### Valerianaceae

- Valerianella amarella* (Lindh. ex Engelm.) Krok (hairy cornsalad); A; F; FACU; BHBCHA; OKW-122  
*Valerianella radiata* (L.) Dufr. (beaked cornsalad); A; F; FACW; BHBCHA; OKW-124

### Verbenaceae

- Glandularia bipinnatifida* (Nutt.) Nutt. (Dakota mock vervain); A; F; none; BHBCHA; OK-177  
*Glandularia pumila* (Rydb.) Umber (pink mock vervain); A; F; none; BHBCHA; OKW-083  
\**Lantana camara* L. (lantana); P; S; FACU; BHBCHA; OKW-041  
*Phyla lanceolata* (Michx.) Greene; lanceleaf fogfruit; P; F; FACW; HWV, SEEP; OK-071  
*Verbena bracteata* Cav. ex Lag. & Rodr. (bigbract verbena); A; F; FACU; DAOF; OKW-011  
*Verbena halei* Small (slender verbena); P; F; none; BHBCHA; OK-243  
*Verbena urticifolia* L. (white vervain); P; F; FAC; URCLFPFAFA; OK-016

### Violaceae

- Hybanthus verticillatus* (Ortega) Baill. (babyslippers); P; F; none; MRCMHA; OK-476  
*Viola bicolor* Pursh (Johnny jump-up); A; F; FAC; DAOF; OK-464  
*Viola sororia* Willd. var. *missouriensis* (Greene) L.E. McKinney (Missouri violet); P; F; FACW; URCLFPFAFA; OK-266

### Vitaceae

- Ampelopsis cordata* Michx. (heartleaf peppervine); P; V; FAC; QMQSCCFA; OK-119  
*Cissus trifoliata* (L.) L. (sorrelvine); P; V; FACU; URCLFPFAFA; OKW-028  
*Parthenocissus quinquefolia* (L.) Planch. (Virginia creeper); P; V; FACU; QMQSCCFA; OK-117

*Vitis cinerea* (Engelm.) Engelm. ex Millard (graybark grape); P; V; FAC; URCLFPFAFA; OK-527  
*Vitis vulpina* L. (frost grape); P; V; FAC; URCLFPFAFA; OKW-166

**Woodsiaceae**

*Woodsia obtusa* (Spreng.) Torr. (bluntlobe cliff fern); P; F; none; QMQSCCFA; OK-127