

The Vascular Flora of Marengo County, Alabama

By

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B.S. Geography

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A Thesis submitted to the Faculty of the
School of Graduate Studies of The University of West Alabama
in partial fulfillment of the requirements for the degree of Masters of Arts in Teaching in
Biology

2014



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LIST OF ABBREVIATIONS

°C	degrees celsius
°F	degrees fahrenheit
AMAL	Herbarium of Anniston Museum of Natural History
AUA	Herbarium of Auburn University
BRIT	Herbarium of the Botanical Research Institute in Texas
cm	centimeters
in	inches
km	kilometers
mi ²	square miles
MISS	Herbarium of the University of Mississippi
mm	millimeters
NCU	Herbarium of the University of North Carolina
sp.	species
sp. nov.	new species
s.d.	no date
s.n.	no number
TROY	Herbarium of Troy University
UNA	Herbarium of the University of Alabama
UWAL	Herbarium of the University of West Alabama
VDB	Herbarium of Vanderbilt University
yr	year

DEDICATION

This thesis is dedicated to my mom, Patricia Kaye Ferguson (1954-2011), for all the support and guidance throughout the preparation of this document and most importantly my life in general. I would not have been able to finish my Masters degree without her daily encouragement.

ACKNOWLEDGEMENTS

I would like to thank my committee members, John McCall and Larry Davenport, for their support, encouragement, and guidance in the completion of this work, and especially the thesis advisor of my committee, Brian Keener, who helped me tremendously throughout this entire process. I especially appreciate his trust allowing me free rein in the herbarium and use of his reference materials. Thanks to Steve Ginzburg for allowing me access to the University of Alabama Herbarium when needed; Dan Spaulding for use of his reference materials and the Anniston Museum of Natural History Herbarium; Alabama Wildflower Society for providing generous financial support; and the AUA, NCU, BRIT, VDB at BRIT, US and MISS herbaria. Thanks also to all my friends and family for their kind words of encouragement. I am especially thankful for my dad, Rick England, and my grandparents, Russell and Dora Coffey, for their generous financial support and continued words of encouragement. Lastly, a huge thanks to my wife, Jamie England, for her continual support, “don’t quit” attitude, and the multiple collecting adventures she accompanied me on in Marengo County.

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ABSTRACT OF THESIS

The vascular flora for Marengo County, Alabama is here documented. Marengo County is located in the southwest portion of the state and is surrounded by eight counties: Greene, Hale, Perry, Dallas, Wilcox, Clarke, Sumter, and Choctaw. The primary drainage for most of the county is the Tombigbee River watershed. Portions of the eastern and southeastern parts of the county are drained into the Alabama River watershed. Marengo County is located entirely in the Eastern Gulf Coastal Plain physiographic province. The Eastern Temperate Forest ecological region is the major vegetation type found within the county.

A total of 1159 specific and infraspecific taxa and 5 hybrids, classified in 556 genera, 162 families, and 4 divisions are documented in the 254,556 hectare (629,024 acre) study area. Twenty-two taxa that are considered sensitive at state and federal levels are listed for the county. Non-native taxa were determined to comprise 22.7 percent of the flora. During this study, 728 county records were documented which comprises 62.5 percent of taxa represented. A total of seven distinct habitats were documented to occur within the county.

INTRODUCTION

STUDY AREA

Marengo County encompasses approximately 254,556 hectares (629,024 acres) of land. The county (Fig. 1) is located in the southwest portion of the state, approximately 85 air miles west of the state capital, Montgomery, and is the only Alabama county surrounded by eight counties (Beaty 2001). Marengo County is bordered to the north by Greene and Hale counties, Perry County to the northeast, Dallas County to the east, Wilcox County to the southeast, Clarke County to the south, Choctaw County to the southwest, and Sumter County to the northwest. Powell Creek, Dry Creek, Chickasaw Bogue, Double Creek, Beaver Creek, and Horse Creek all flow into the Tombigbee River, which also serves as the western border and primary drainage of the county (Figs. 2 & 3). James Creek and Turkey Creek, of the eastern and southeastern portions of the county, flow into the Alabama River. Small streams and creeks, in the extreme northeastern portions of the county, flow into the Black Warrior River (Fig. 3).

According to USCB (2014a), the population of Marengo County was estimated to be 20,401 in 2012, which was ranked 48th among Alabama's 67 counties. Due to the low population density, a major percentage of the county is rural, with most of the land being privately owned. This land is primarily devoted to cultivated crops, pasture, silviculture, and aquaculture. Primary row crops grown in the county include corn (*Zea mays*), cotton (*Gossypium hirsutum*), soybeans (*Glycine max*), and grain sorghum (*Sorghum* sp.). Aquaculture, typically production of catfish (*Ictalurus* sp.), has become economically important in Marengo County, especially in the Blackland Prairie region of the county.

Each year the acreage of catfish ponds steadily increases. Silviculture, or timber production, continues to be of economic importance to the county. Timber production includes plantations of Loblolly Pine (*Pinus taeda*), Slash Pine (*P. elliottii*), and Longleaf Pine (*P. palustris*) (Beaty 2001). In the extreme north, Demopolis is the largest city within the county and serves as the center of industry for the county; however, Linden, a more centralized location, serves as the county seat.

Chickasaw State Park (Fig. 3), located in the north-central part of the county, serves as a facility for camping and other recreational activities. It is also home to the Turnipseed-Ikenberry Place Physically Disabled Hunting Area, a handicapped-accessible, state-operated hunting facility (ASP 2014). Other public lands within the county include the David K. Nelson Wildlife Management Area (Area 10) (Fig. 4) managed by the Alabama Department of Conservation and Natural Resources Division of Wildlife and Freshwater Fisheries. This property is located along the Black Warrior River just north of its confluence with the Tombigbee River. Just south of the confluence is the Old Lock 4 Park which is managed by the U.S. Army Corps of Engineers (USACE). This location has picnic and boat launch facilities present. Foscue Creek Park, also managed by the USACE, is located southwest of the confluence on the banks of the Tombigbee River (Demopolis Lake). The park has boating access points, camping, hiking trails and other recreational opportunities.

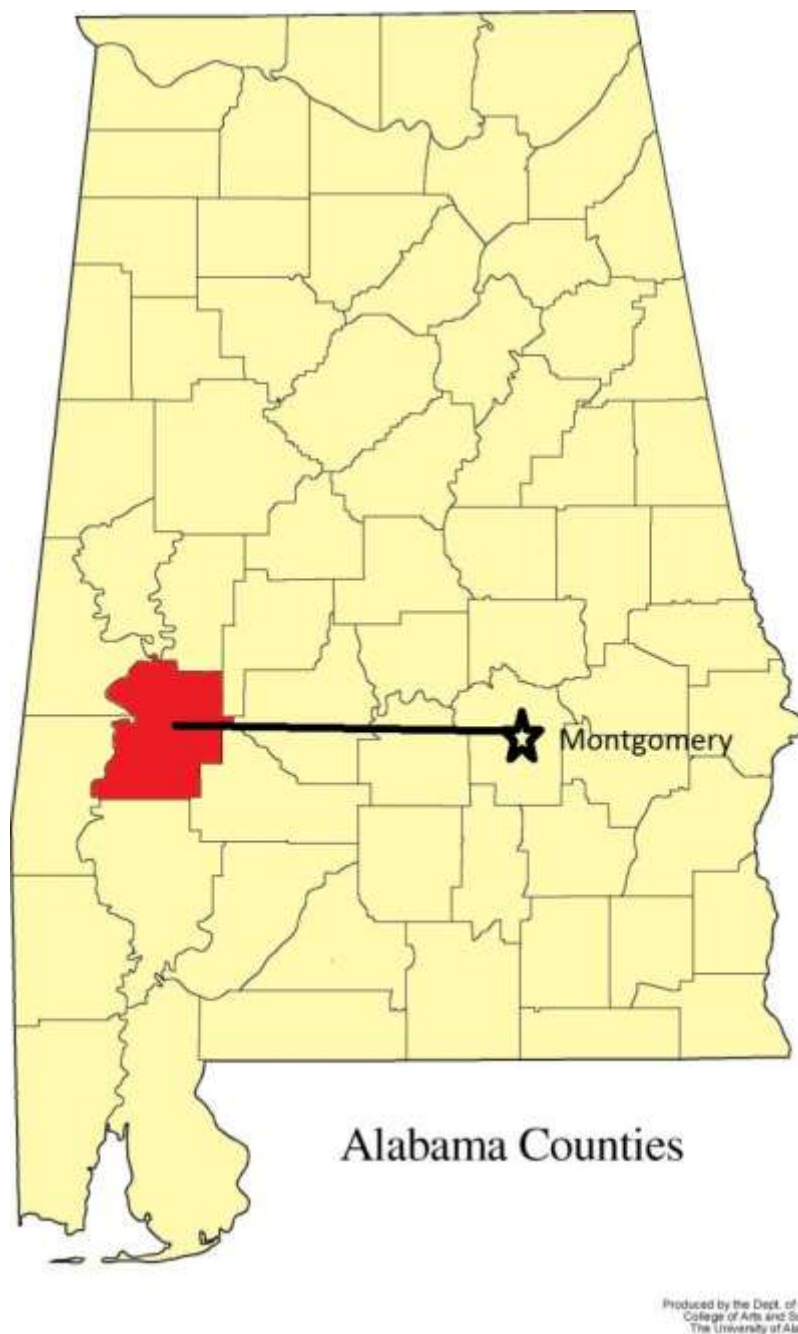


Figure 1. Counties of Alabama, USA. Marengo County in red (Alabama Maps 2014).

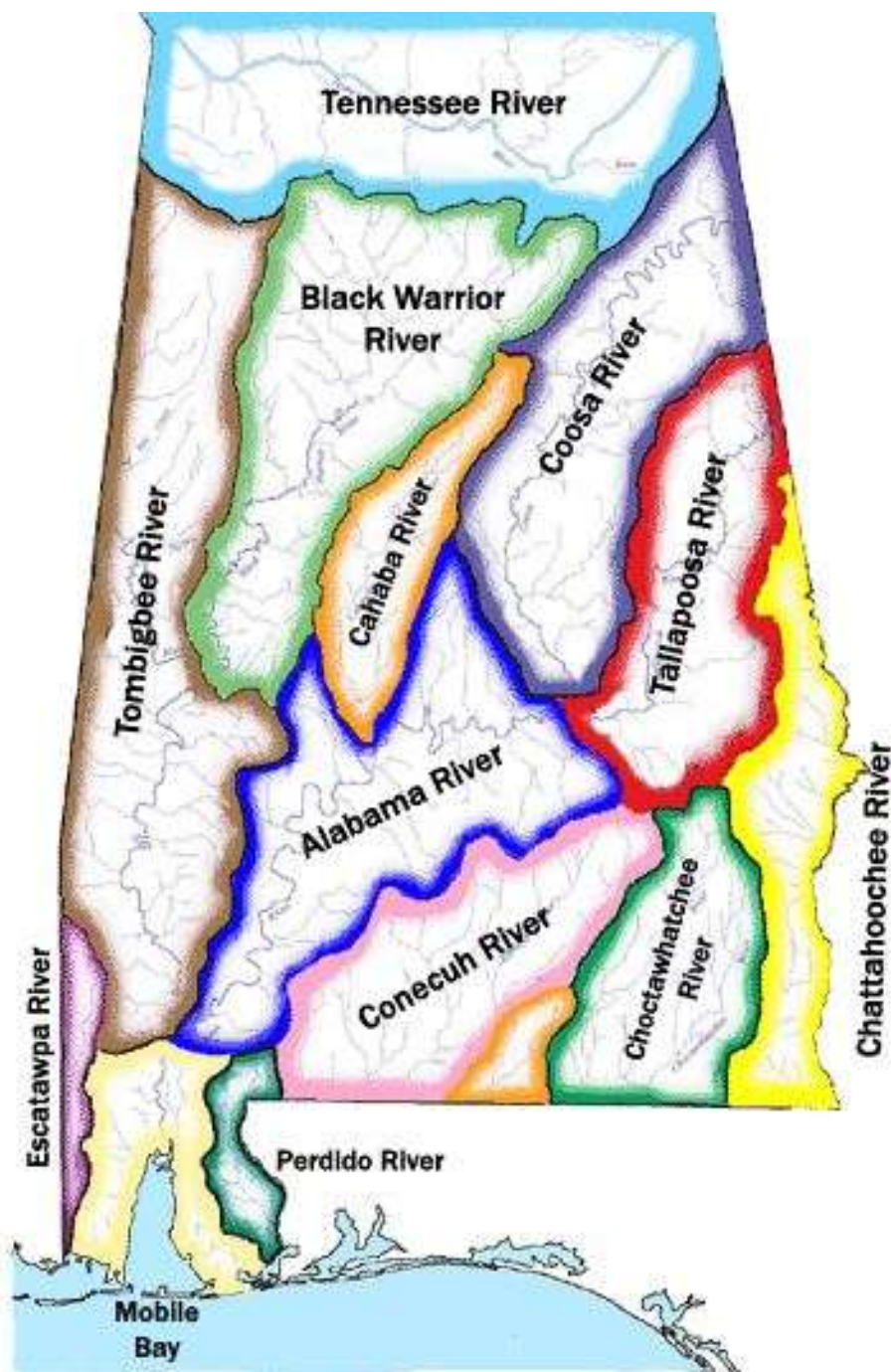


Figure 2. Rivers Basins (Watersheds) of Alabama, USA (AWWA 2014).

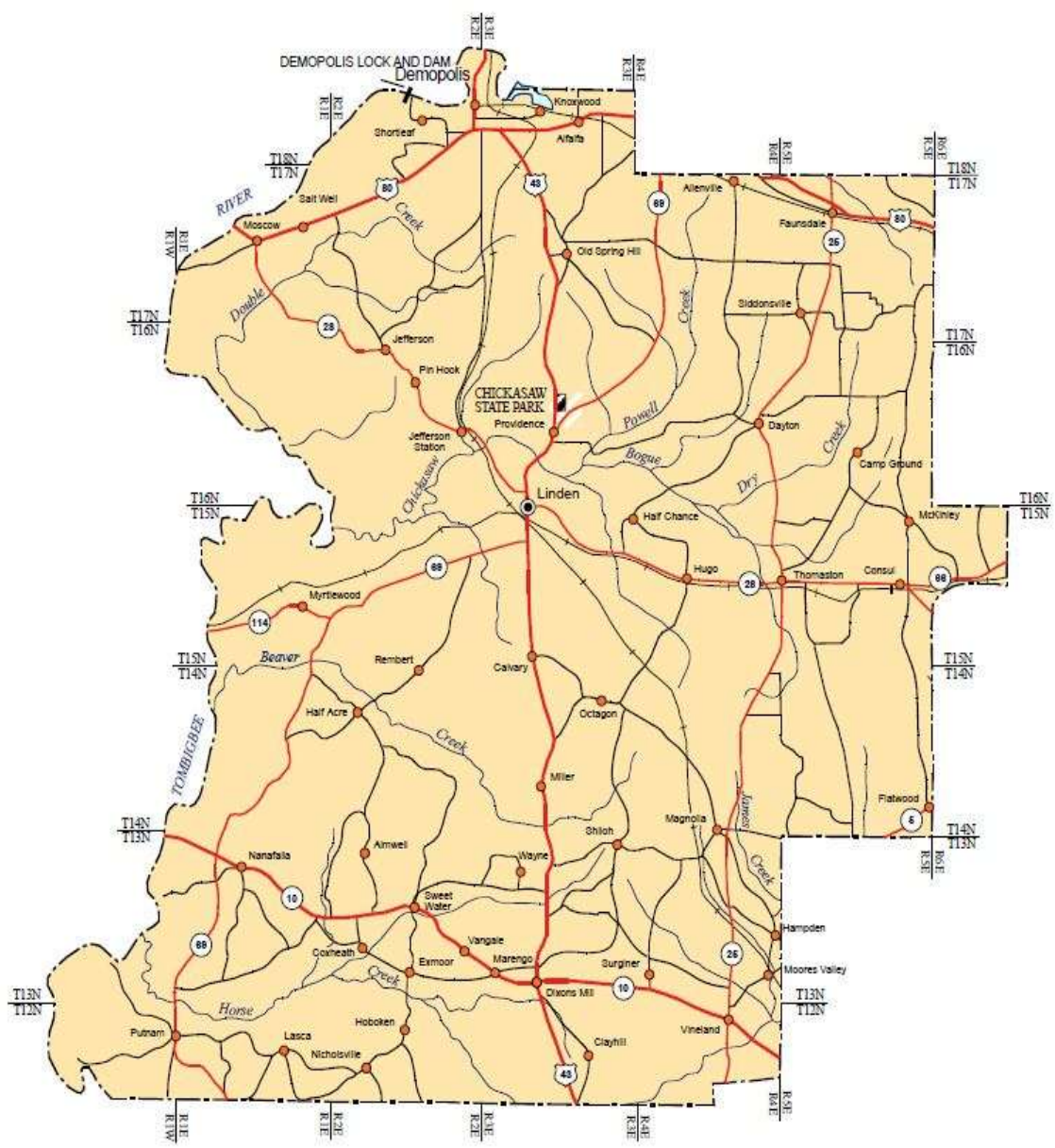


Figure 3. Major roads, towns, rivers, and creeks of Marengo County, Alabama, USA (Alabama Maps 2014).

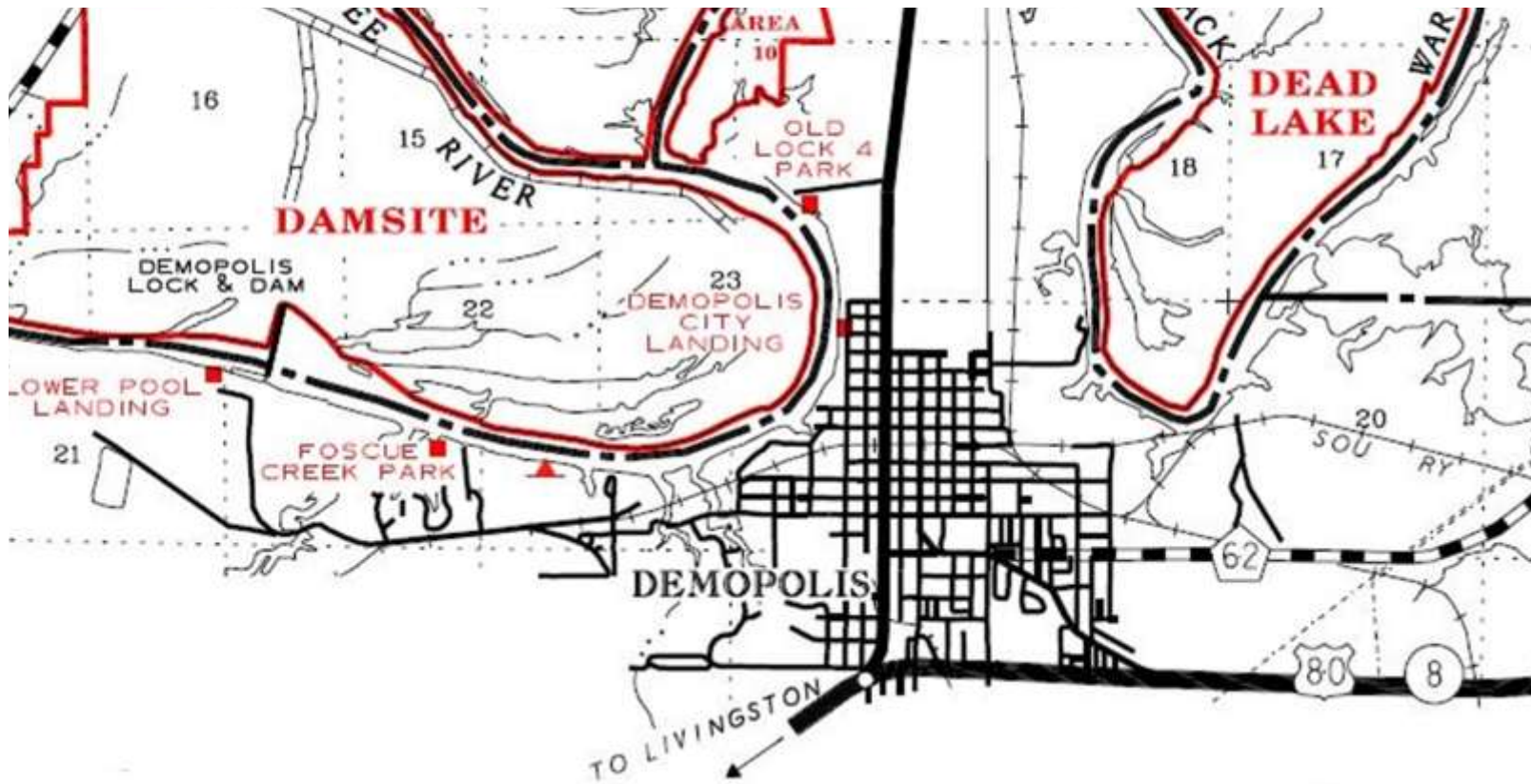


Figure 4. Adapted from Demopolis Wildlife Management Area Map (ADCNR 2014).

GENERAL HISTORY

The distinctive white, marl bluffs (Fig. 5) that line the Tombigbee River, near present day Demopolis, paved the path for the colorful history of the county. The attractive bluffs, and their location near Webb's Bend at the confluence of the Black Warrior and Tombigbee rivers, made the area a prime choice for settlers as far back as Prehistoric times. The Prehistoric mound builders inhabited the area until around 1600 A.D. Testaments to their inhabitation are the many small to large mounds which still exist in and around Marengo County today. The Spanish explorer Hernando Desoto is thought to have passed through Old Spring Hill on his northward march in 1540 after his battle at Mauville. Desoto may have encountered the early mound builder inhabitants during this journey. The Choctaws were the second known group of inhabitants to live in the area. It is believed that they did not have a large settlement but only small hunting and food gathering camps scattered in and around what is now present day Marengo County (Smith 1967). The name "Tombigbee" is believed to have originated from the Choctaw word "*itumbi ikbi*", from tradition, it is thought white settlers overheard the Choctaws talking about visiting the "box (coffin) maker" Etom Baigabee, and thought the river's name was Tombigbee. James McIntosh is said to have been the first white settler in the county in 1780. McIntosh was known to have built his log cabin on the white cliffs constructing it of hewed cedar logs and covering it with cypress boards. Stephen Noble was the next known person to settle in the county. He arrived in 1816 and built a cabin in the area of the Demopolis square (Smith 1967).

After Napoleon Bonaparte's defeat at Waterloo in 1815, many of his supporters were exiled from France. A large group of these expatriates came to America and petitioned the United States government for land grants to grow grapes and olives. Early politicians, including Thomas Jefferson, James Madison, and James Monroe, supported the plan (Blaufarb 2006). In what became known as the "Vine and Olive Colony" they were granted 92,160 acres at a cost of \$2 per acre to be paid in full after 14 years (Pickett 1851). Most of the land was located in Marengo County with other parts being in present day Greene and Hale counties. The initial settlement was located at Demopolis, but they soon learned that this land was not part of the land grant, thus requiring moving the settlement about one mile east to Aigleville. After being established in its new location, the new settlement was a complete disaster. Their failures included floods and droughts in the first few years, land disputes with the American squatters, and failing crops. Some of the settlers moved north to Arcola, which is located in present day Hale County. The people of the Vine and Olive Colony eventually gave up on raising crops and sold their land grants to American newcomers. Today there are no remnants of Arcola or Aigleville; however many of the street names in Demopolis bear a reminder of the French influence in the county (Smith 1967).

Marengo County was formed by an act of the Territorial Legislature of Alabama on 6 February 1818. Some of the lands were acquired from the Choctaws in the Treaty of Fort Stephens on 24 October 1816. The county was named after the Napoleon victory, in 1800, over Austrian armies during the Battle of Marengo, near the city of Alessandria, Italy (Beaty 2001). The county originally extended as far north as Tuscaloosa County (Beaty 2001) and was surrounded by Perry and Dallas counties on the east, Clarke

County on the south, and the Choctaw tribal lands to the west (MCBC 2000). The town of Linden, the county seat of Marengo County, was originally known as “Screamersville” because of the cries of wild animals often heard by early settlers. After becoming the official county seat in 1819, it was known as the “Town of Marengo”, this name was then changed in 1823 to “Hohenlinden” in honor of another Napoleon victory in 1800, but was eventually shortened to its present day version of “Linden” (Smith 1967).



Figure 5. View of Demopolis Bluff along Tombigbee River in Marengo County, Alabama, USA. Photo by: Eugene Allen Smith, 10 July 1903(WSHSCL 2014).

BOTANICAL HISTORY

Very little botanical exploration had occurred in Marengo County before this study. The first known collection of a vascular plant in Marengo County was on 20 Aug 1882 by Eugene Allen Smith, Alabama State Geologist at the time (Henderson 2011). This collection, which is curated in The University of Alabama Herbarium (UNA), was of *Botrychium biternatum* (Fig. 6), a fern species common throughout the southeastern United States. The second person to contribute to the botanical exploration of Marengo County was Charles Mohr. In 1878, Mohr was commissioned by Smith to begin a complete floristic study for the state of Alabama (Davenport 1988). During his botanical exploration, he amassed an extensive personal herbarium from across the state totaling almost 18,000 specimens (Davenport 1979). During this time, Mohr made the only known collection of *Schisandra glabra* from the county, which is also deposited at UNA. This woody vine species is very rare throughout its range in the southeastern United States. Mohr, in his final and most significant publication, *Plant Life of Alabama* (1901), clearly indicated the nativity of the pecan (*Carya illinoensis*) to the Black Belt of Alabama, citing the specific location of Demopolis among others.

The first notable floristic study in the county was performed by Roland Harper, who served as the Alabama Geologic Survey botanist at the time. From 13-14 Oct 1908, he floated down the Black Warrior River passing Demopolis and continuing down the Tombigbee River, documenting various geologic formations (Fig. 7) along with the riparian flora (Fig. 8) along the banks (WSHSCL 2013). Harper's most notable

discovery, in alluvial deposits, was the rare (in Alabama) pteridophyte *Equisteum arvense*, commonly known as field horsetail.

In the years to follow, other botanical collectors have visited the county. These collectors are responsible for fewer than 100 collections each from within the county. They include: J. W. Harris, Brian R. Keener, Robert Kral, Joab L. Thomas, Harold D. Moore, David H. Burk, and Robert R. Haynes (APAEC 2014).



Figure 6. Oldest vascular plant collection known from Marengo County, Alabama, USA by Eugene Allen Smith on 20 Aug 1882. Photo by the author.

Myrtlewood Sta 9.15
 P. O. 9.10
 Myrtlewood P.O. is on an
 escarpment of Okaloosa
 formation overlooking
 Suwannee flats
 Ordinary dry woods
 flora on escarpment
 (F. Taeda & etc etc)

Figure 7. Geologic notes from Tombigbee River along banks of
 Myrtlewood in Marengo County, Alabama, USA by Roland Harper,
 14 Oct 1908 (WSHSCL 2013).

10-13-08 Marengo & Choctaw
 Passed Chickasawboque Salix
 Cr. about 5. Populus
 Beckley's Ldg. 507
 5,500
 P. Zaida Marengo Co.
 Wet sloping outcrop of
 Black Bluff soft shale
 at base of bluff at
 Beckley's Landing
 123 Stenocarpa
 124 Cypripedium Dianthus
 125 Cyperus flavescens?
 126 " Potamogeton
 127 " Eragrostis
 128 Juncus vahlü
 " ant

Figure 8. First documented botanical survey from Marengo County, Alabama, USA by Roland Harper, 13 Oct 1908 (WSHSC 2013).

CLIMATE

Historical climatic information (summarized below) was originally recorded from 1951-2012 at Demopolis Lock and Dam weather station (Fig. 9 & 10). The station is maintained by The Southeast Regional Climate Center through the University of North Carolina. Information was also derived from the Soil Survey of Marengo County, Alabama, recorded 1961-1990, which took measurements from Camden, Alabama. Although Camden is outside of Marengo County, the data is relevant because of the close proximity – approximately 36 km from the southeastern corner of the county.

Marengo County typically has very long, hot summers due to its proximity to the Gulf of Mexico. Because of this, the county experiences moist, tropical air masses that persistently cover the area, which in turn allows only for short, cool winters (Beaty 2001). The growing season usually lasts approximately 231 days. The first day of possible freezing temperatures generally occurs on or about November 8, and the last day on March 22 (Beaty 2001). These cool winters, January through March, usually have average low temperatures of 2.8 °C (37.1 °F) and high temperatures of 16.1 °C (60.9 °F). During the same time period, precipitation for the county averages 14.07 cm (5.54 in) and accounts for 31% of the yearly precipitation. Snowfall is very rare in the county averaging only 0.2 cm (0.1 in) for the year, commonly occurring in March (Southeast Regional Climate Center 2013).

Spring (April through June) brings a downward trend in precipitation where the county averages 10.68 cm (4.21 in) of precipitation. During this period, high temperatures average 28.2 °C (82.8 °F), with nighttime lows averaging 14.7 °C (58.4 °F).

The warmest temperatures of the year occur in summer, July through September, with only a slight decrease in precipitation. The summer high temperatures average 32.1 °C (89.8 °F), with nightly lows at 19.4 °C (66.9 °F) (Southeast Regional Climate Center 2013). Precipitation during the summer months usually occurs as afternoon thunderstorms yielding a monthly average of 10.59 cm (4.17 in). Autumn (October through December) marks the beginning of temperature decline where the high temperatures average 20.0 °C (67.4 °F), with low temperatures averaging 5.6 °C (42.0 °F) (Southeast Regional Climate Center 2013). Precipitation during autumn is the lowest period during the year at 10.26 cm (4.04 in), making this the driest season of the year (Southeast Regional Climate Center 2013).

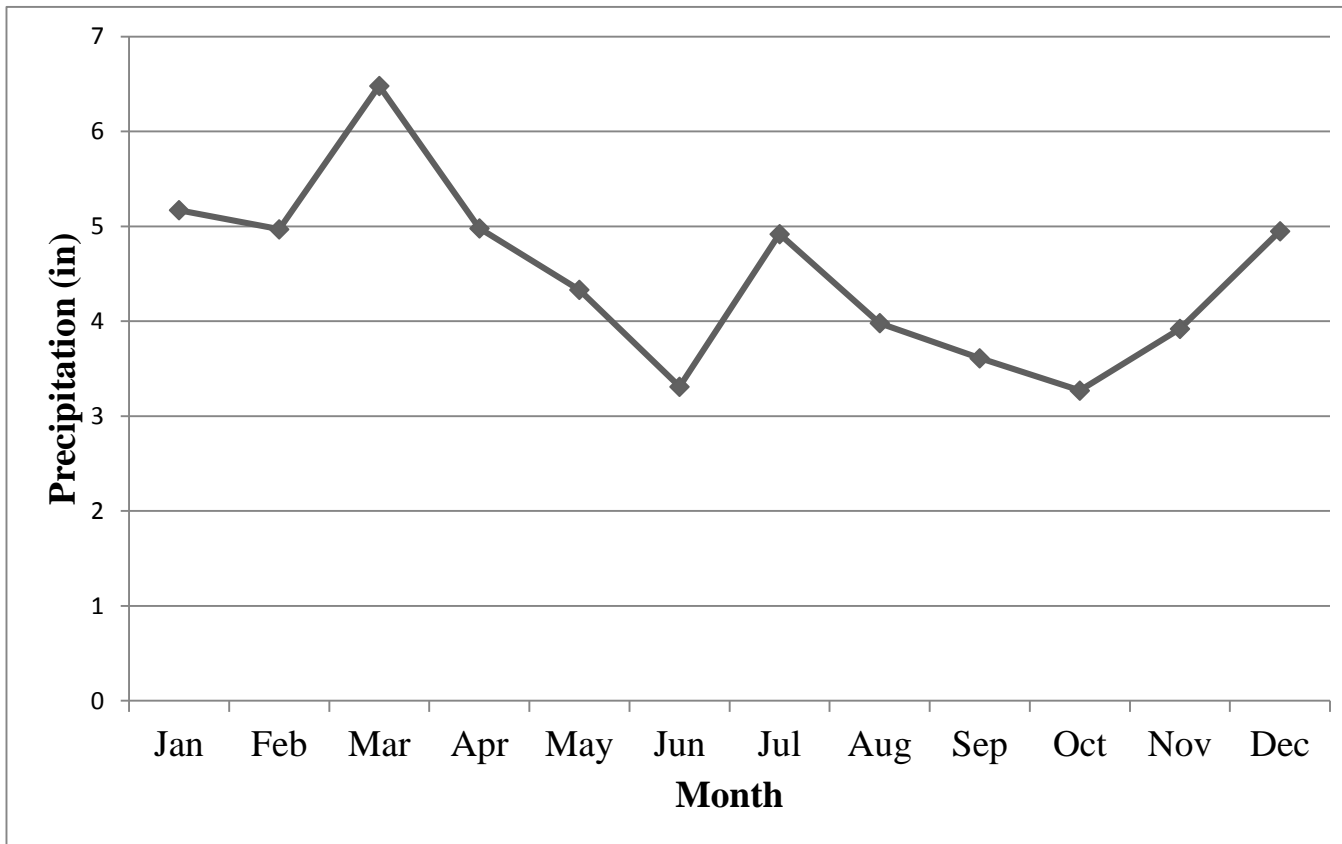


Figure 9. Average monthly precipitation (in) for Demopolis Lock and Dam (1951-2012), Marengo County, Alabama, USA (Southeast Regional Climate Center 2013)

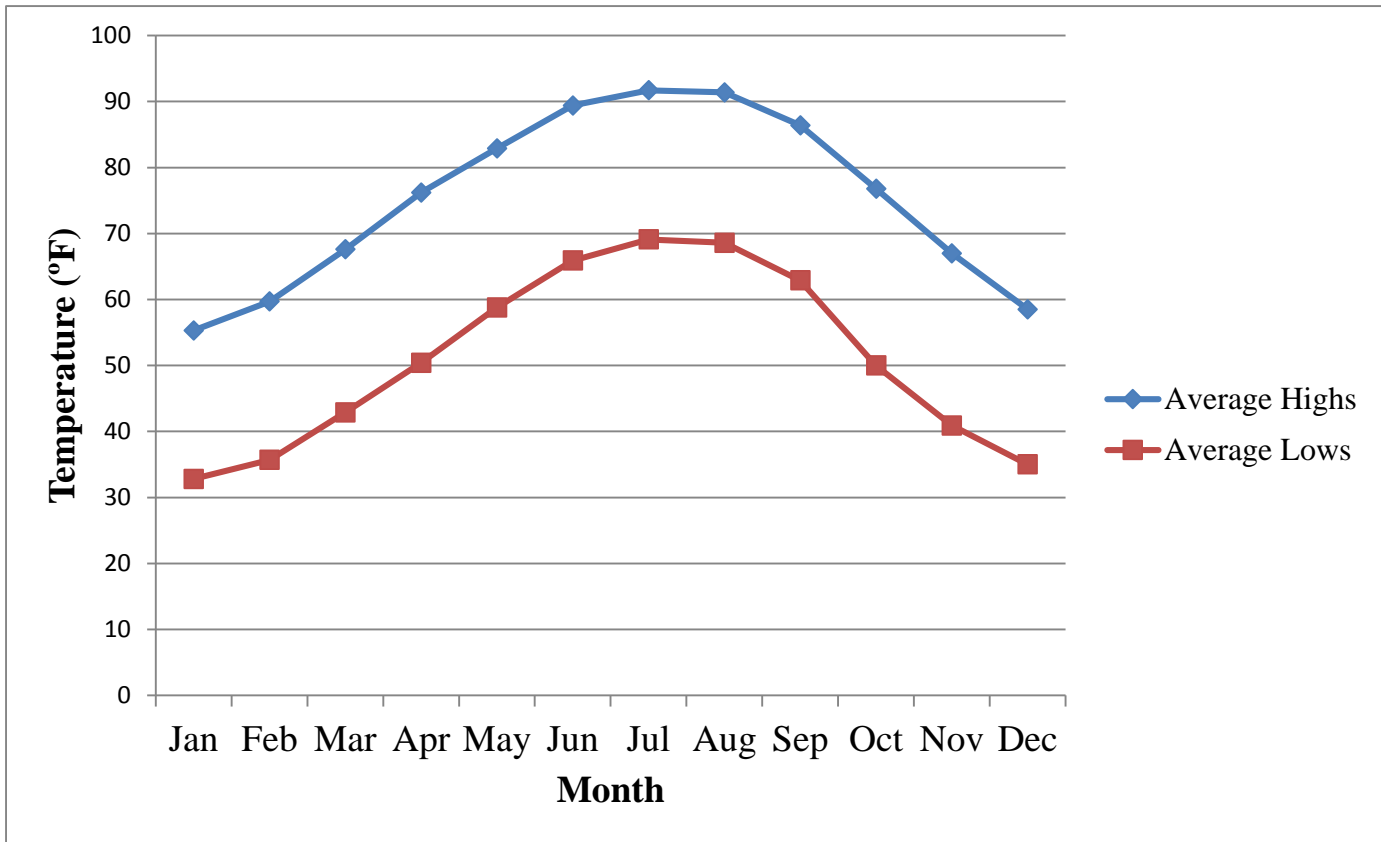


Figure 10. Average monthly low and high temperatures (°F) for Demopolis Lock and Dam (1951-2012), Marengo County, Alabama, USA (Southeast Regional Climate Center 2013)

PHYSIOGRAPHY, GEOLOGY, AND SOILS

Marengo County is part of the Coastal Plain physiographic province (Newton *et al.* 1961, Beaty 2001). Topography in the county is divided into five districts and two subdistricts. Those include: (1) the Blackland Prairie district in the northern part of the county; (2) Chunnennuggee Hills district in the central part of the county; (3) Southern Red Hills district (Beaty 2001), which includes the Flatwoods and Buhrstone Hills subdistricts (Alabama Maps 2014), located in the southern part of the county; (4) River terraces & associated floodplains primarily associated with the Tombigbee River in the western & northern parts of the county (Beaty 2001); and (5) Lime Hills district in the extreme southwestern part of the county (Alabama Maps 2014).

Geologic formations in the county are from the Mesozoic and Cenozoic Eras (Fig. 11). These formations strike northwest and dip southwest at a rate of 40 feet/mile (Newton *et al.* 1961). The rocks range in age from the Late Cretaceous to Recent time. The Demopolis Chalk, Ripley Formation, and Mooreville Chalk comprise the Upper Cretaceous series in the northern third of the county. The Paleocene series include the Clayton, Porters Creek, and Naheola Formations in the central part of the county. The Nanafalia Formation and Tuscahoma Sand make up the Eocene series in the southern part of the county. The high terrace deposits and alluvium & low terrace deposits comprise the Pleistocene and recent deposits, respectively, which are both found along rivers and creeks (Beaty 2001, NRCS 2014).

Marengo County contains 12 general soil associations (Figure 12). These associations are interpreted as a landscape that has a distinctive pattern of soils, relief,

and drainage. Each association within the county is categorized by having two or more major soils and at least four minor soils or miscellaneous areas (Beaty 2001). This discussion will only include the top percentages of major soils formed within each association.

1.) URBO – MOOREVILLE – UNA ASSOCIATION. This association occupies seven percent of the county and is generally found along the western part of the county on the floodplain of the Tombigbee River. The positions of these landforms include high, convex parts of low ridges and low positions between ridges in swales or sloughs. Urbo soils are very deep, poorly drained with dark grayish brown silty clay loam over brown clay that has brownish and grayish mottles. Mooreville soils are very deep, moderately well drained with dark grayish brown loam over a yellowish brown clay loam that has grayish and brownish mottles. Una soils are very deep, poorly drained with very dark brown silty clay over gray clay.

2.) BAMA – SMITHDALE – SAVANNAH ASSOCIATION. This association makes up nine percent of the county and is found on the high terraces of the Chunnennuggee Hills, Southern Red Hills & Lime Hills districts and Buhrstone subdistrict. Bama soils are very deep, well drained brown fine sandy loam over a yellowish red fine sandy loam. Smithdale soils are very deep, well drained, brown loamy sand over a yellowish red sandy clay loam. Savannah soils are very deep, moderately well drained dark grayish brown fine sandy loam over a light yellowish brown fine sandy loam.

3.) LUVERNE – HALSO ASSOCIATION. This association makes up 3 percent of the county and is primarily found in the central and southeastern parts of the county on uplands in the Flatwoods subdistrict. Luverne soils are very deep, well drained dark brown sandy loam over red clay loam in the upper subsoil component and a red clay lower subsoil component. Halso soils are deep, moderately well drained brown fine sandy loam over an upper subsoil of red clay. The middle subsoil layer consists of red clay that has grayish mottles with the lower part having mottled red, light gray and strong brown clay.

4.) VAIDEN – SUCARNOOCHEE – SEARCY ASSOCIATION. This association occupies 4 percent of the county and is found on uplands and floodplains of the Blackland Prairie district. Vaiden soils are very deep, somewhat poorly drained and composed of dark brown silty clay on the surface layers. Upper subsoil layers are characterized as yellowish brown clay that has grayish mottles. Lower subsoil layers are light olive brown and yellowish brown clay that has grayish mottles with soft masses of calcium carbonate present. Sucarnoochee soils are very deep, somewhat poorly drained dark grayish brown clay over dark grayish brown clay that has olive yellow mottles. Searcy soils are very deep, moderately well drained brown fine sandy loam over light yellowish brown fine sandy loam.

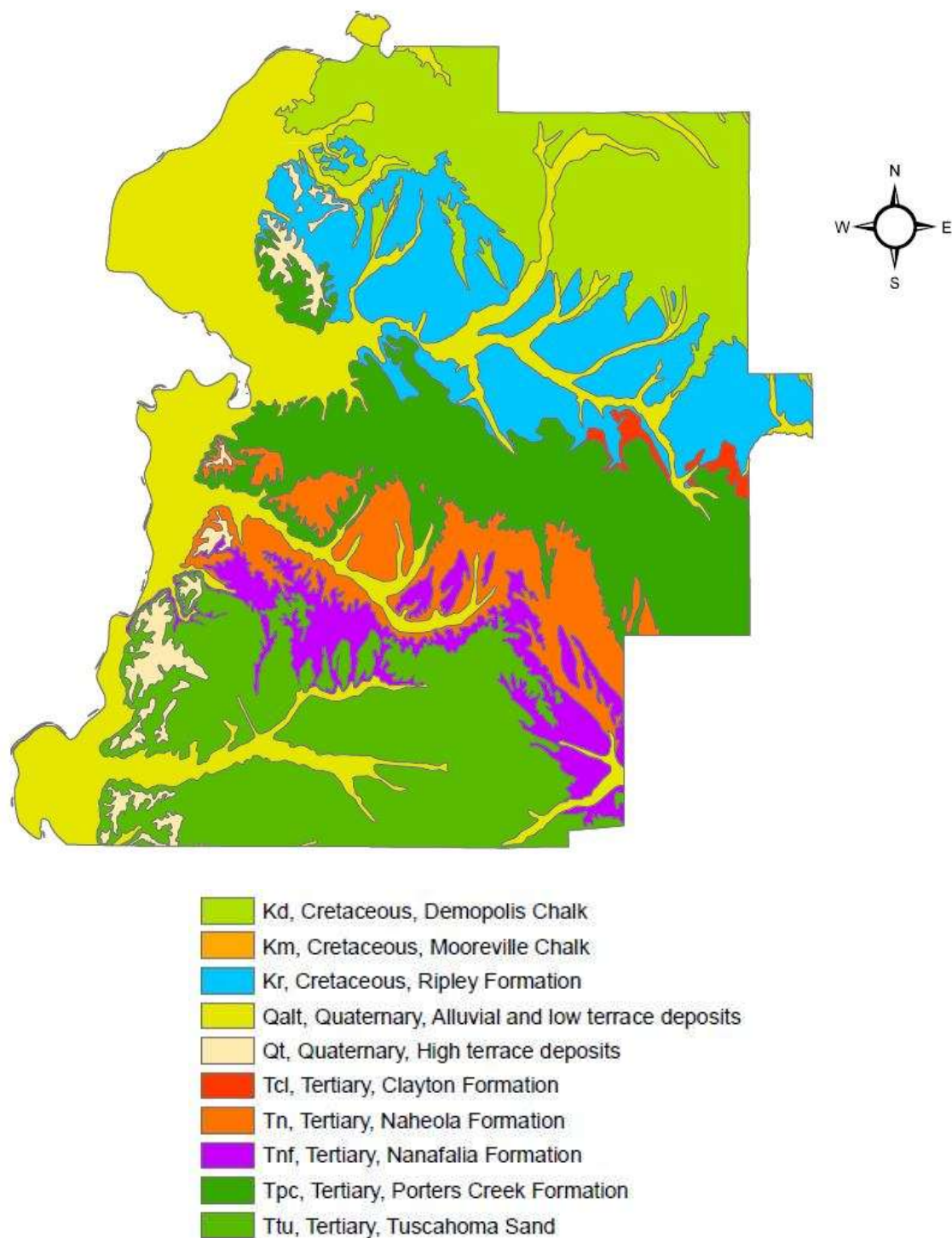
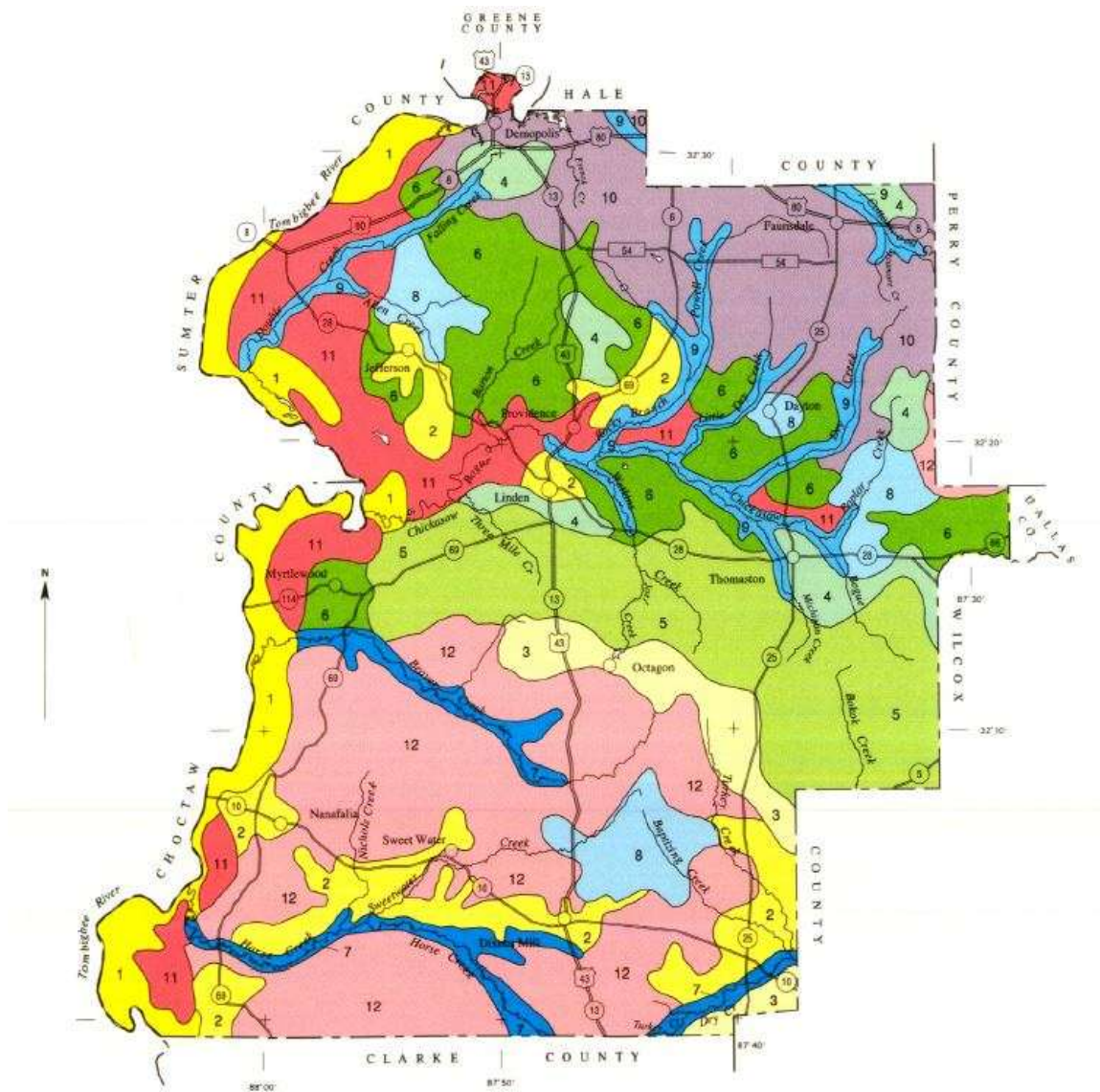


Figure 11. Geologic formations of Marengo County, Alabama, USA (NRCS 2014)



SOIL LEGEND

1	Urbo-Mooreville-Una	7	Mooreville-Mantachie-Kinston
2	Bama-Smithdale-Savannah	8	Wadley-Boykin-Smithdale
3	Luverne-Haiso	9	Sucarnoochee-Houlka
4	Vaiden-Sucarnoochee-Searcy	10	Sumter-Demopolis-Faunsdale
5	Wilcox-Consul	11	Cahaba-Izagora-Chrysler
6	Oktibbeha-Brantley-Luverne	12	Luverne-Smithdale-Boykin

Figure 12. General Soil Map for Marengo County, Alabama, USA (NRCS 1997).

5.) WILCOX – CONSUL ASSOCIATION. This association occupies 13 percent of the county and is found in the central parts of the county on uplands within the Flatwoods subdistrict. Wilcox soils are deep, somewhat poorly drained very dark grayish brown clay over an upper subsoil unit that is yellowish red clay that has brownish, grayish and reddish mottles. Middle subsoil units are mottled red, light gray and brownish yellow clay. The lower subsoil units are characterized as light gray clay. Consul soils are very deep, poorly drained dark grayish brown clay over as upper subsoil unit that is light brownish gray clay that has yellowish brown mottles. Lower subsoil unit consists of gray brown clay that has light olive brown mottles.

6.) OKTIBBEHA – BRANTLEY – LUVERNE ASSOCIATION. This association makes up seven percent of the county and found in the northern part of the county on upland areas within portions of the Chunnenugee Hills district and Flatwoods subdistrict. Oktibbeha soils are very deep, moderately well drained dark grayish brown clay over an upper subsoil unit that consists of red clay that has brownish mottles. This upper subsoil layer is over a mottled reddish, grayish, and brownish clay middle unit. The lower subsurface layer consists of mottled yellow brown and gray clay that has common soft masses and concretions of calcium carbonate. Brantley soils are very deep, well drained dark yellow brown fine sandy loam over a strong brown fine sandy loam. Luverne soils are as described in the Luverne – Halso association.

7.) MOOREVILLE – MANTACHIE – KINSTON ASSOCIATION. This association makes up two percent of the county and is found on floodplains of rivers and creeks in the Southern Red Hills district and Buhrstone subdistrict. Mooreville soils are very deep, moderately well drained dark grayish brown loam over a yellowish brown clay loam that has grayish and brownish mottles. Mantachie soils are very deep, somewhat poorly drained brown fine sandy loam which is over an upper subsoil unit that is mottled yellowish brown, brown, and grayish brown sandy clay loam. The middle subsoil layer is light brownish gray sandy clay loam over a grayish brown sandy clay loam lower unit. Kinston soils are very deep, poorly drained brown fine sandy loam over an upper substratum of light brownish gray and light gray loam that has brownish mottles. The lower substratum is light gray and gray clay loam.

8.) WADLEY – BOYKIN – SMITHDALE ASSOCIATION. This association makes up five percent of the county and is found in scattered areas of the Chunnenugee Hills & Southern Red Hills districts and the Buhrstone subdistrict. Wadley soils are very deep, somewhat excessively drained brown loamy fine sand over an upper subsurface layer of yellowish brown loamy fine sand. The lower subsurface layer is composed of brownish yellow loamy fine sand. Boykins soils are very deep, well drained very dark grayish brown loamy fine sand over light yellowish brown loamy fine sand. Smithdale soils are very deep, well drained dark yellowish brown loamy fine sand over an upper subsoil unit with red sandy clay loam and a lower unit of red sandy loam.

9.) SUCARNOOCHEE – HOULKA ASSOCIATION. This association comprises four percent of the county and is found in the northern part of the county on floodplains of the Chunnenugee Hills and Blackland Prairie districts. Sucarnoochee soils are very deep, somewhat poorly drained dark grayish brown clay over dark grayish brown clay that has olive yellow mottles. Houlka soils are very deep, somewhat poorly drained dark grayish brown silty clay loam over an upper subsoil unit with dark grayish brown clay. The middle subsoil unit consists of gray silty clay that has strong brown mottles over the lower subsoil unit containing gray clay that has strong brown mottles.

10.) SUMTER – DEMOPOLIS – FAUNSDALE ASSOCIATION. This association makes up 11 percent of the county and is found on the uplands of the Blackland Prairie region. Sumter soils are moderately deep, well drained dark grayish brown silty clay loam over an upper subsoil unit with light olive brown silty clay that has yellowish mottles and common soft masses of calcium carbonate. The bedrock in this soil is soft limestone or chalk. Demopolis soils are shallow, well drained dark grayish brown silty clay loam that has many fragments of soft chalk and concretions of calcium carbonate. This soil type also has soft limestone or chalk as the bedrock. Faunsdale soils are very deep, somewhat poorly drained with a very dark grayish brown clay loam as the surface layer. This surface layer is over a dark grayish brown silty clay intermediate layer. The upper unit of the subsoil consists of a light olive brown clay loam over a light olive brown silty clay and clay lower unit.

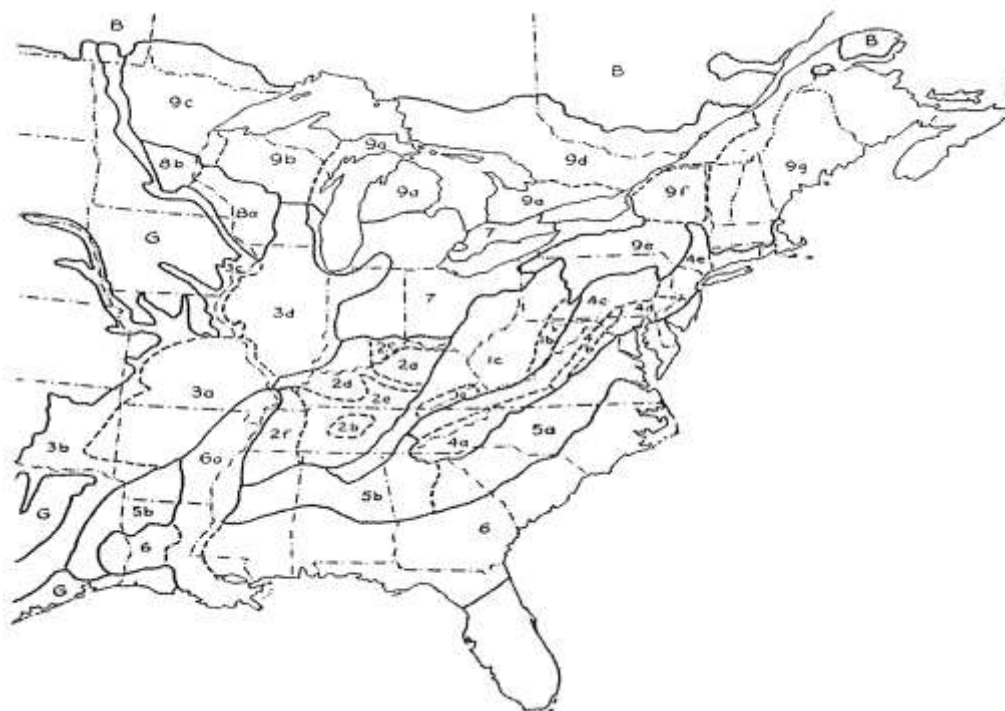
11.) CAHABA – IZAGORA – CHRYSLER ASSOCIATION. This association makes up nine percent of the county and is found parallel to the Tombigbee River and small creeks on low terraces of the Coastal Plain. Cahaba soils are very deep, well drained brown fine sandy loam. The subsoils are red sandy clay loam in the upper unit and red loam in the lower unit. Izagora soils are very deep, moderately well drained very dark grayish brown sandy loam. The subsoil layers include an upper unit with light yellowish brown loam, a middle unit with brownish yellow clay loam that has reddish and grayish mottles. The lower unit has a mottled grayish, reddish and brownish clay loam. Chrysler soils are very deep, moderately well drained dark grayish brown silt loam over a brown silt loam subsoil unit.

12.) LUVERNE – SMITHDALE – BOYKIN ASSOCIATION. This association makes up 26 percent of the county and is found in the Southern Red Hills district and Buhrstone Hills subdistrict. Luverne soils in this association are somewhat different than in the Luverne – Halso and Oktibbeha – Brantley – Luverne associations. In this association they are very deep, well drained yellowish brown sandy loam on the surface. This surface layer is over an upper subsoil layer consisting of red clay loam. Middle subsoil layers are yellowish red sandy clay over red sandy clay loam in the lower unit. The Smithdale and Boykin soils are the same as described in the Wadley – Boykin – Smithdale association.

VEGETATION ECOLOGY

Marengo County lies entirely within the Southeastern Evergreen Forest Region of the Deciduous Forest Formation of eastern North America (Fig. 13). Braun (1950) briefly defines the Deciduous Forest Formation as being dominated by the deciduous habit of most of the woody species and the Southeastern Evergreen Forest Region by the dominance of evergreen trees in most communities within the region. This region is characterized as having average annual temperatures of 10°C (50°F) and an average rainfall of 750-1500mm/yr (30-59in/yr) (NASA Earth Observatory 2013). The United States Environmental Protection Agency (USEPA) (2013) assigns Marengo County as being part of the Eastern Temperate Forest ecological region (Level I) (Fig. 14). According to the USEPA, ecological regions, or ecoregions, are areas of general similarity in ecosystems and in the type, quality, and quantity of environmental resources. While including almost the same areas of the eastern United States as Braun, USEPA's concept is different in that it relates the similarity of the ecosystems within the region as a whole and not to the foliar habits of the resident tree species. The Level II designation for the county is the Southeastern USA Plains (Fig. 15). The county is then placed in the Southeastern Plains Ecoregion (Level III) (Fig. 16). Griffith et al (2001) separates this ecoregion into nine smaller ecoregions (Level IV) (Fig. 17), four of which occur in Marengo County (Fig. 18): (1) Blackland Prairie, (2) Flatwoods/Blackland Prairie Margins, (3) Southern Hilly Gulf Coastal Plain, and (4) Southeastern Floodplains and Low Terraces (Griffith et al. 2001).

As described by Griffith et al (2001), the natural forests of Marengo County are of varying species composition, with gymnosperms occurring as dominant or co-dominant members of the canopy in the majority of the plant communities. Canopies in the Blackland Prairie region are described as Blackbelt Forests, which are dominated by members of the genera *Liquidambar*, *Fraxinus*, *Celtis*, *Quercus*, and *Juniperus*. Flatwoods and Blackland Prairie margin canopies are described as oak-pine-hickory forests, which are dominated by members of the genera *Quercus*, *Pinus*, and *Carya*. Southern Hilly Gulf Coastal Plain forest canopies are described as oak-hickory-pine forest, southern mixed forest, and with some southern floodplain forest which are dominated by members of the genera *Pinus*, *Quercus*, *Carya*, *Liriodendron*, *Nyssa*, *Taxodium*, and *Acer*. Southeastern floodplains and low terrace canopies are described as southern floodplain forests, which are dominated by members of the genera *Quercus*, *Nyssa*, *Taxodium*, *Carya*, and *Pinus* (Griffith et al. 2001).



1. Mixed Mesophytic Forest Region
 - a. Cumberland Mountains
 - b. Allegheny Mountains
 - c. Cumberland and Allegheny Plateaus
2. Western Mesophytic Forest Region
 - a. Bluegrass Section
 - b. Nashville Basin
 - c. Area of Illinoian glaciation
 - d. Hill Section
 - e. Mississippian Plateau Section
 - f. Mississippi Embayment Section
3. Oak-Hickory Forest Section
 - Southern Division
 - a. Interior Highlands
 - b. Forest-Prairie Transition Area
 - Northern Division
 - c. Mississippi Valley Section
 - d. Prairie Peninsula Section
4. Oak-Chestnut Forest Region
 - a. Southern Appalachians
 - b. Northern Blue Ridge
 - c. Ridge and Valley
 - d. Piedmont
 - e. Glaciated Section
5. Oak-Pine Forest Region
 - a. Atlantic Slope Section
 - b. Gulf Slope Section
6. Southeastern Evergreen Forest Region
 - a. Mississippi Alluvial Plain
7. Beech-Maple Forest Region
8. Maple-Basswood Forest Region
 - a. Driftless Section
 - b. Big Woods Section
9. Hemlock-White Pine-Northern Hardwoods Region
 - Great Lakes-St. Lawrence Division
 - a. Great Lake Section
 - b. Superior Upland
 - c. Minnesota Section
 - d. Laurentian Section
 - Northern Appalachian Highland Section
 - e. Allegheny Section
 - f. Adirondack Section
 - g. New England Section

Figure 13. Forest regions and sections of the eastern United States (Braun 1950).

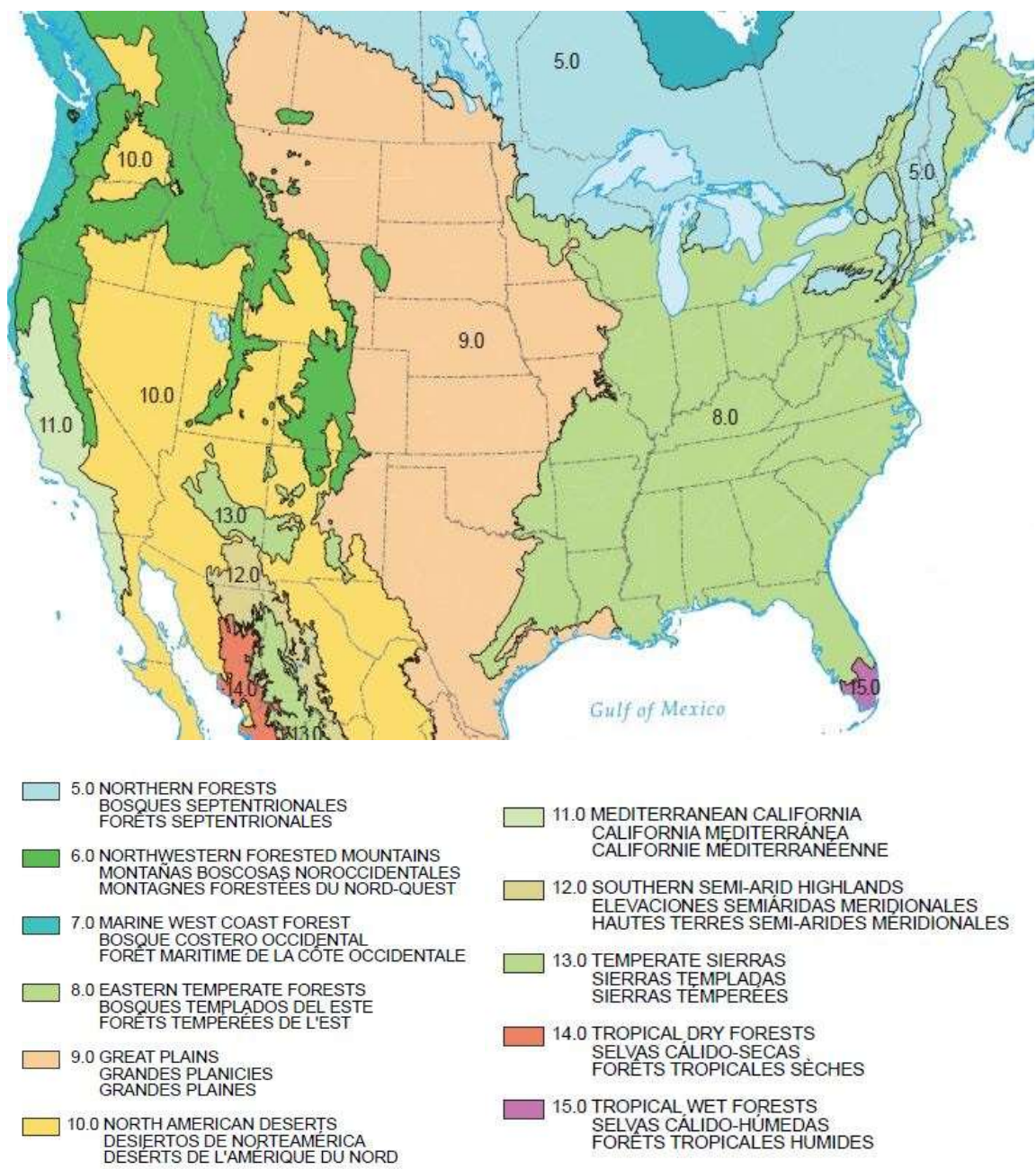
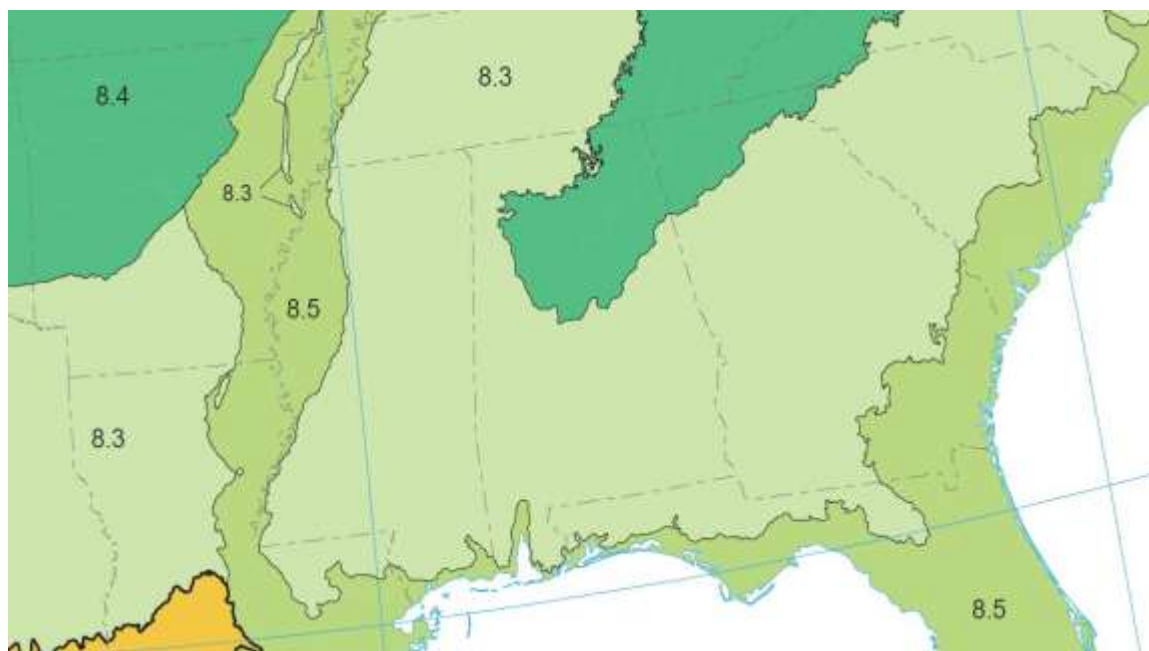


Figure 14. Level I Ecoregions of the southeastern United States (USEPA 2013).



- 8.3 SOUTHEASTERN USA PLAINS
 PLANICIES SURORIENTALES DE EUA
 PLAINES DU SUD-EST DES É.-U.
- 8.4 OZARK, OUACHITA-APPALACHIAN FORESTS
 BOSQUES DE OZARK, OUACHITA Y LOS APALACHES
 FORÊTS D'OZARK, OUACHITA ET DES'APPALACHES
- 8.5 MISSISSIPPI ALLUVIAL AND SOUTHEAST USA COASTAL PLAINS
 PLANICIES ALUVIALES DEL MISSISSIPPI Y COSTERA DEL SE DE EUA
 PLAINES ALLUVIALES DU MISSISSIPPI ET DE LA CÔTE SE DES É.-U.

Figure 15. Level II Ecoregions of the southeastern United States (USEPA 2013).

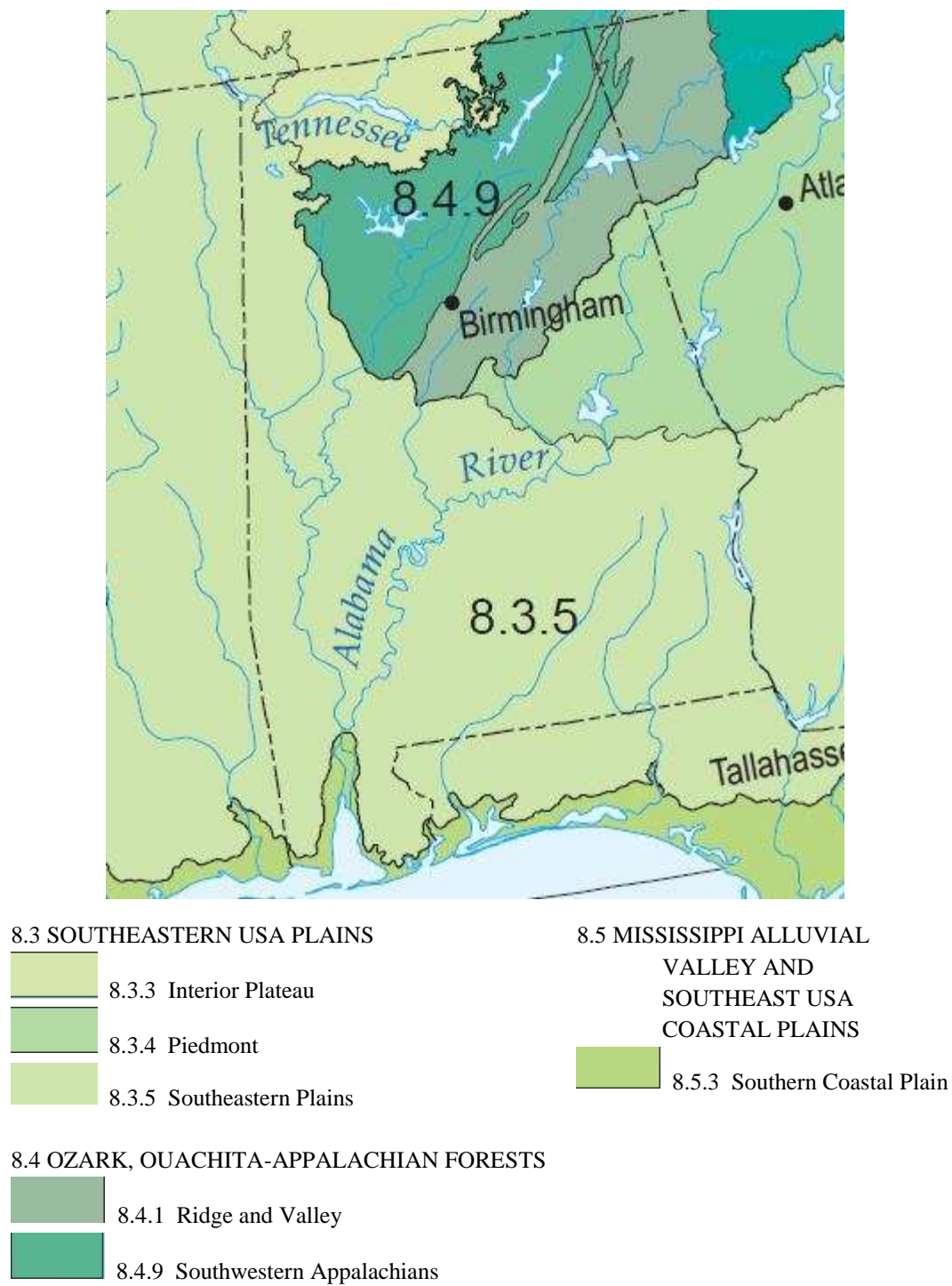


Figure 16. Level III Ecoregions of Alabama (USEPA 2013).

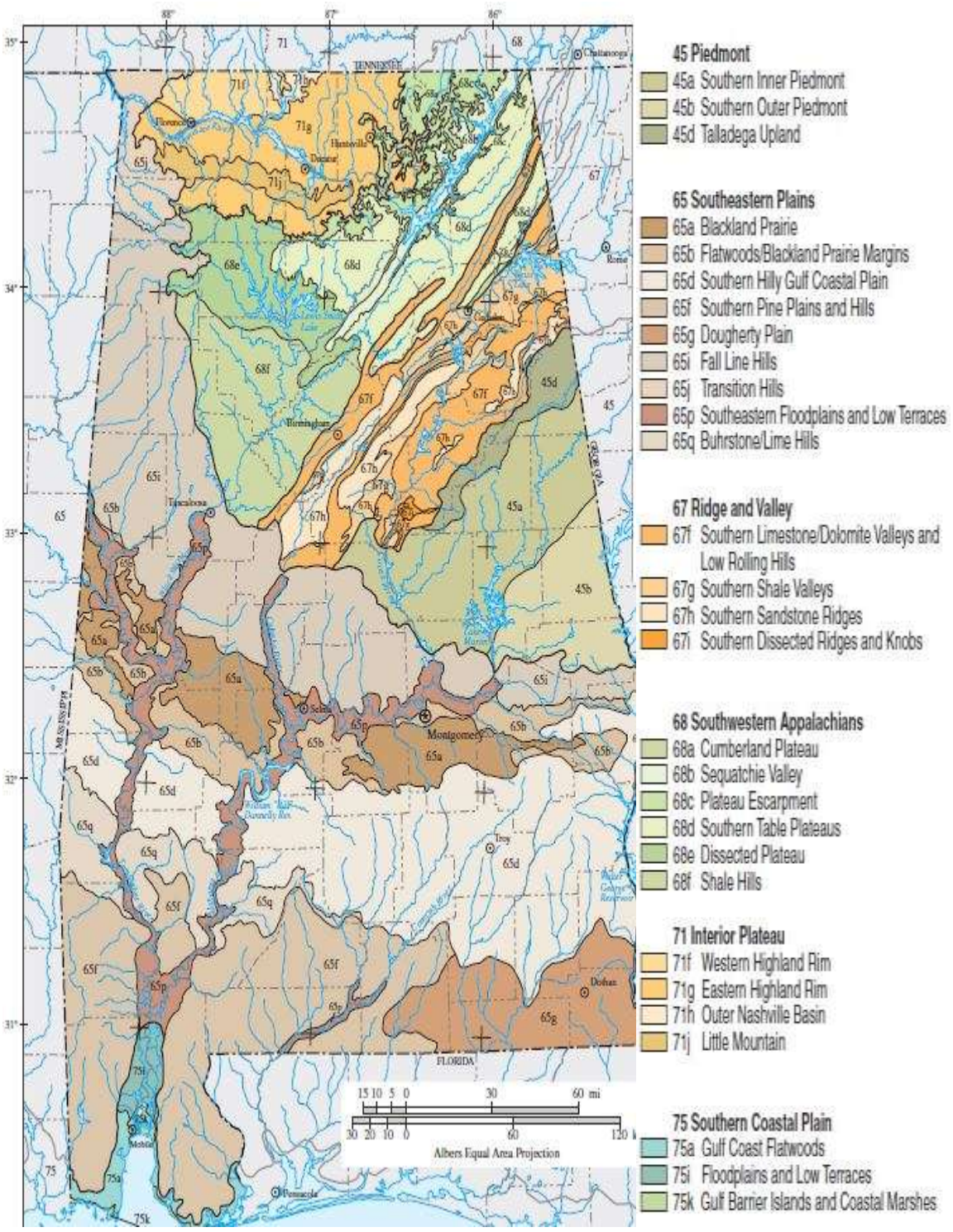
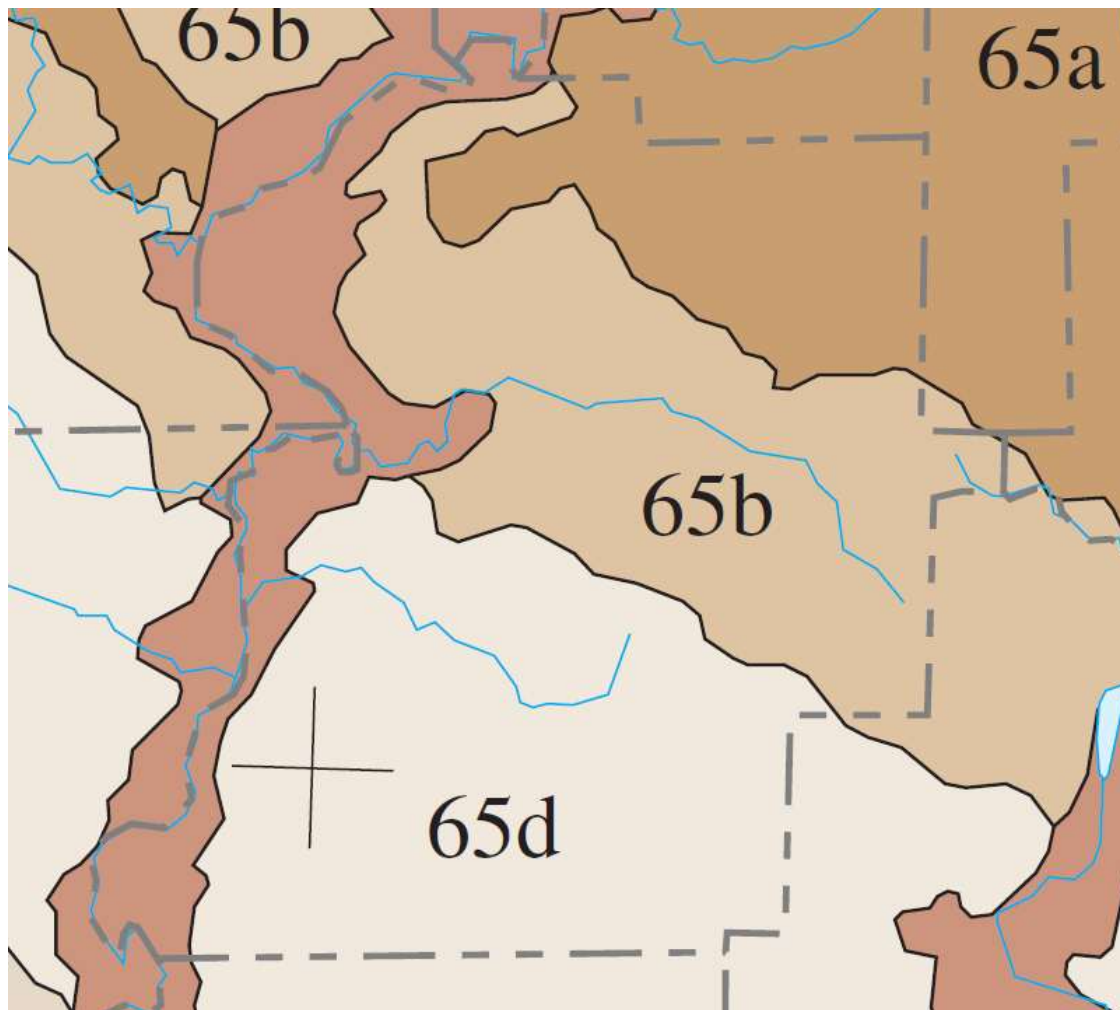


Figure 17. Level IV Ecoregions of Alabama, USA (Griffith et al. 2001).



- 65 Southeastern Plains**
- 65a Blackland Prairie
 - 65b Flatwoods/Blackland Prairie Margins
 - 65d Southern Hilly Gulf Coastal Plain
 - 65f Southern Pine Plains and Hills
 - 65g Dougherty Plain
 - 65i Fall Line Hills
 - 65j Transition Hills
 - 65p Southeastern Floodplains and Low Terraces
 - 65q Buhrstone/Lime Hills

Figure 18. Level IV Ecoregions of Marengo County, Alabama, USA
(Griffith et al. 2001)

METHODS AND MATERIALS

The main objective of this study was to inventory and document the vascular flora of Marengo County, Alabama. In order to compile a thorough flora, several examples of different plant communities at numerous sites were visited and sampled during the study. Topographic, geologic, and soil survey maps, along with the web-based program Google Earth™, were utilized in an effort to locate the best possible collecting sites with regard to biodiversity. Random roadside collecting was also utilized. Botanizing trips were made between May 2008 and March 2014, using standard field and herbarium techniques, where voucher collections were made and subsequently pressed and dried in standard size plant presses.

For each voucher specimen, information regarding location, date of collection, habitat, plant attributes, and other notable facts were documented. After collection and drying were complete, each specimen was identified using various floras and manuals. The most commonly used texts for specimen identification in this study were Cronquist (1980), Flora of North America (1993+), Gleason and Cronquist (1991), Godfrey (1988), Godfrey and Wooten (1979, 1981), Holmgren (1998), Isley (1990), Lellinger (1985), McGregor *et al.* (1986), Mohr (1901), Radford *et al.* (1968), Small (1933), Weakley (2012), and Wunderlin and Hansen (2003). Determinations were reinforced by consulting specimens from the UWAL herbarium. Nomenclature of identifications generally follows Flora of North America (1993+) and Weakley (2012).

Labels were prepared for the specimens and included the identified taxon and field notes gathered at the time of collection. A complete set of voucher specimens was

compiled, labeled, mounted, and deposited at the UWAL herbarium. Partial sets of voucher specimens were deposited at VDB, TROY, and UNA herbaria. Remaining duplicate specimens were distributed to other state and regional herbaria in the southeastern United States.

In addition to collecting specimens in the field, regional herbaria were visited in order to search for and examine Marengo County specimens possibly deposited therein. Herbaria visited include UNA, AUA, AMAL, BRIT, VDB, NCU and MISS. These herbaria yielded specimens of species that were historically collected from Marengo County by previous researchers but were not rediscovered in this study due to sampling gaps or changing flora. Each of these specimens was annotated to indicate that the taxon was considered to be part of the Marengo County flora in this study, even though they were not found during the current sampling.

The compiled flora was evaluated on several aspects. These included an evaluation of sheer numbers of taxa among divisions, families, genera, hybrids, and specific and infraspecific taxa. Other assessments included a listing and number of rare species at the state, federal, and global levels, as well as, a nativity ratio of native versus non-native taxa. These data were then compared to other county floras previously completed in Alabama. Lastly, all habitats, ecological systems, and plant associations found within the county were defined based on floristic content, soil characteristics and other abiotic factors.

RESULTS AND DISCUSSION

During this study, 1385 collections representing 1006 unique taxa and 2 hybrids were made within the county. An additional 153 specific and infraspecific taxa and 3 hybrids were added from herbarium surveys from specimens made by past collectors. A total of 1159 specific and infraspecific taxa and 5 hybrids, classified in 556 genera, 162 families, and 4 divisions were represented from both sources (Table 1). The 10 largest families within the flora were Asteraceae (142 taxa), Poaceae (111 taxa), Cyperaceae (68 taxa), Fabaceae (63 taxa), Lamiaceae (36 taxa), Rosaceae (29 taxa), Fagaceae (27 taxa), Ranunculaceae (25 taxa), Rubiaceae (24 taxa), and Brassicaceae (24 taxa) (Fig. 19). These 10 families comprise 47.2 percent of the flora. The 10 largest genera within the flora were *Carex* (Cyperaceae) (32 taxa), *Quercus* (Fagaceae) (23 taxa), *Symphyotrichum* (Asteraceae) (13 taxa), *Dichanthelium* (Poaceae) (12 taxa), *Hypericum* (Hypericaceae) (12 taxa), *Cyperus* (Cyperaceae) (12 taxa), *Galium* (Rubiaceae) (12 taxa), *Juncus* (Juncaceae) (11 taxa), *Ranunculus* (Ranunculaceae) (10 taxa), and *Ludwigia* (Onagraceae) (10 taxa). These ten genera comprise approximately 12.6 percent of the flora.

From the collections made during sampling, a total of 728 taxa are documented from Marengo County for the first time as evidenced by herbarium surveys and queries of the *Alabama Plant Atlas* (2014) database (Table 2). A total of 22 specific and infraspecific taxa of the Marengo County flora are listed by the Alabama Natural Heritage Program (2013) as endangered, threatened, or of special concern in the state (Table 3). No federally listed species were documented for the county during the study.

The discovery of *Crassula aquatica* was deemed noteworthy because it has not been documented in Alabama since 1887, a fact that generated a "historic" designation for this taxon in a recent checklist of the Alabama flora (Kral et al 2011). Other noteworthy collections included three taxa (*Bothriochloa pertusa*, *Hypericum lobocarpum*, and *Sisyrinchium minus*) that had never been documented for Alabama before this study.

Average species richness and nativity of the Marengo County flora were compared with all other county floras (Table 4) previously conducted in Alabama: Blount County (Keener 1999), Bullock County (Dykes 2013), Coffee County (Martin 2002), Conecuh County (Diamond & Freeman 1993), Crenshaw County (Diamond 2011), Dale County (Dransfield 2004), Etowah County (Hodge-Spaulding 1997), Jackson County (Brodeur 1999), Jefferson County (Barber 1986), Limestone County (Hofmann 2000), Madison County (Threlkeld 1998), Pike County (Diamond 2003), Randolph County (Nixon 1989), and St. Clair County (Jackson 2000). In comparing average species richness of the county with similar surveys (Table 4), Marengo County ranks 9th, with 1.18 species per square mile. Species richness of the county is considered average when compared to other county floristic surveys, which may be due in part to Marengo County's larger land area with lower levels of geologic and topographic relief than some of the other sampled counties. When considering the percent of the flora which is non-native (Table 4), it was determined that Marengo County ranked 2nd after Pike County with a total of 264 (22.7 percent) non-native taxa (Table 5). Most of these exotics were found in ruderal communities forming naturalized populations. The high percentage of exotics may be attributed to the large areas of disturbed land throughout the county. This disturbance can be found in pastures and barnyards, areas of cultivation, silviculture, or old

settlements where ornamentals have escaped. A few taxa were occasionally found as waifs and persistent taxa after cultivation.

Table 1. Summary of the flora of Marengo County, Alabama, USA.

Levels of Classification						
Divisions	Lycopodiophyta	Pteridophyta	Pinophyta	Magnoliophyta		Totals
Classes				Magnoliopsida	Liliopsida	
Families	2	15	2	115	28	162
Genera	2	20	3	404	127	556
Hybrids	1	0	0	1	3	5
Specific & Intraspecific Taxa	1	25	9	825	299	1159

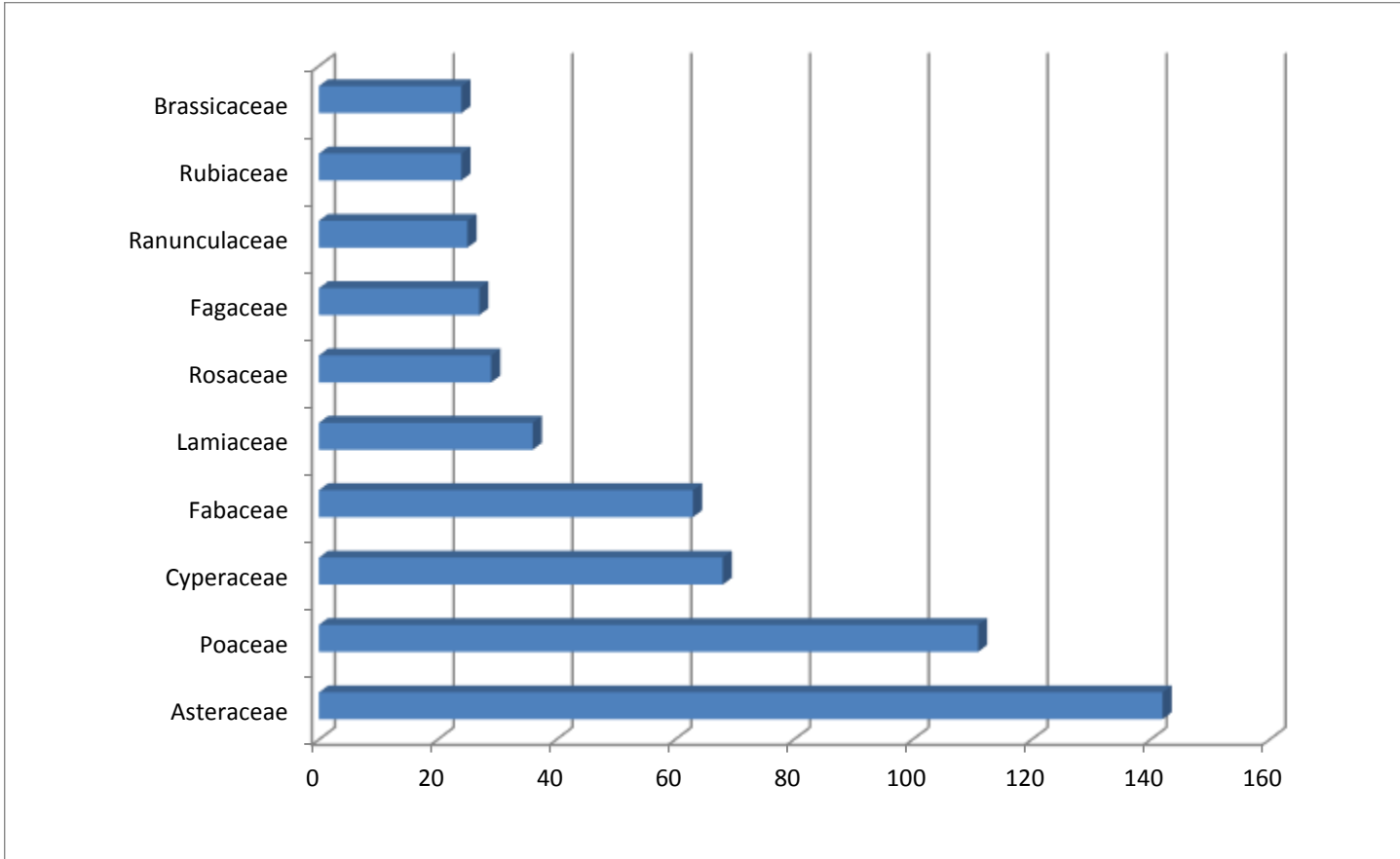


Figure 19. Size comparison of major plant families of the flora of Marengo County, Alabama, USA

Table 2. County Records of the flora of Marengo County, Alabama, USA.

Level of Classification	County Records	% of Flora
Lycopodiophyta	1	0.1
Pteridophyta	8	0.7
Pinophyta	4	0.3
Magnoliophyta	715	61.5
Magnoliopsida	513	44.1
Liliopsida	202	17.4
Total	728	62.6

Table 3. Sensitive Taxa of the flora of Marengo County, Alabama, USA.

Scientific Name	Vernacular Name	State Rank ¹	Global Rank ¹	Federal Status ²
<i>Agalinis heterophylla</i>	Prairie False Foxglove	S2	G4G5	—
<i>Arabis patens</i>	Spreading Rockcress	S1	G3	—
<i>Carex socialis</i>	Creeping Woodland Sedge	S1	G4	—
<i>Crassula aquatica</i>	Water Pygmyweed	S1	G5	—
<i>Delphinium alabamicum</i>	Alabama Larkspur ☼	S2	G2	—
<i>Draba cuneifolia</i>	Wedge Leaf Willow Grass	S1	G5	—
<i>Echinacea pallida</i>	Pale Purple Coneflower	S2	G4	—
<i>Equisetum arvense</i>	Field Horsetail	S2	G5	—
<i>Hedeoma drummondii</i>	Drummonds False Pennyroyal	S2	G5	—
<i>Hottonia inflata</i>	Featherfoil	S2	G4	—
<i>Juncus interior</i>	Inland Rush	S1	G3	—

☼ - Alabama endemic taxa

1 – Alabama Natural Heritage Program (2012)

2 – U.S. Fish & Wildlife Service (2014)

Table 3. Sensitive Taxa of the flora of Marengo County, Alabama, USA.

Scientific Name	Vernacular Name	State Rank ¹	Global Rank ¹	Federal Status ²
<i>Lepuropetalon spathulatum</i>	Petite Plant	S1	G4G5	—
<i>Mirabilis albida</i>	White Four O'clock	S2	G5	—
<i>Pachysandra procumbens</i>	Mountain Spurge	S2S3	G4G5	—
<i>Quercus oglethorpensis</i>	Oglethorpe Oak	S1	G3	—
<i>Rhamnus lanceolata</i> var. <i>glabata</i>	Western Lance Leaved Buckthorn	S2	G5	—
<i>Schisandra glabra</i>	Bay Starvine	S2	G3	—
<i>Symphyotrichum ericoides</i>	White heath Aster	S1	G5	—
<i>Thalictrum debile</i>	Southern Meadow Rue	S2	G2	—
<i>Thelesperma filifolium</i>	Stiff Greenthread	S1	G4G5	—
<i>Utricularia inflata</i>	Swollen Bladderwort	S1S2	G4	—
<i>Uvularia floridana</i>	Florida Bellwort	S1	G3	—

★ - Alabama endemic taxa

1 – Alabama Natural Heritage Program (2012)

2 – U.S. Fish & Wildlife Service (2014)

Table 4. Comparison of county floristic surveys from Alabama, USA. CP = Coastal Plain, CU = Cumberland Plateau, HR = Highland Rim, PD = Piedmont, and RV = Ridge & Valley.

Floristic Survey	Total Taxa	Genera	Average Species Richness/ mi ² *	Percent of Non-Natives	Section	Square Miles	Hectares (Acres)
Etowah (Hodge-Spaulling 1997)	1356	598	2.44	17.4	CU & RV	555	143,805 (355,200)
Jackson (Brodeur 1999)	1294	596	1.15	—	CU	1126.8	291,832 (721,132)
Pike (Diamond 2003)	1190	589	1.77	22.8	CP	672.1	174,073 (430,144)
Crenshaw (Diamond 2011)	1171	565	1.92	18.1	CP	610.9	158,217 (390,963)
Marengo (England 2014)	1164	556	1.18	22.7	CP	982.9	254,556 (629,024)
Bullock (Dykes 2013)	1151	547	1.84	21	CP	626.6	162,278 (401,000)
St. Clair (Jackson 2000)	1142	530	1.75	17.6	CU & RV	653.7	169,304 (418,361)

* Average Species Richness/mi²* = $\frac{\text{Total number of species documented in survey}}{\text{total square miles in county}}$

Table 4. Comparison of county floristic surveys from Alabama, USA. CP = Coastal Plain, CU = Cumberland Plateau, HR = Highland Rim, PD = Piedmont, and RV = Ridge & Valley.

Floristic Survey	Total Taxa	Genera	Average Species Richness /mi²*	Percent of Non-Natives	Section	Square Miles	Hectares (Acres)
Blount (Keener 1999)	1119	540	1.75	17.5	CU	640	165,768 (409,600)
Dale (Dransfield 2004)	921	458	1.64	18.3	CP	560	145,039 (358,399)
Conecuh (Diamond & Freeman 1993)	908	502	1.07	18.5	CP	852.5	220,799 (545,606)
Randolph (Nixon 1989)	881	445	3.75	14.9	PD	235.1	150,479 (371,840)
Madison (Threlkeld 1998)	873	469	1.07	15.2	HR & CU	812.9	210,527 (520,224)
Jefferson (Barber 1986)	813	449	0.73	15	CU & RV	1114.1	288,663 (713,000)
Coffee (Martin 2002)	797	460	1.19	19.5	CP	668.9	173,235 (428,073)
Limestone (Hofmann 2000)	625	482	1.03	—	HR	607.1	157,232 (388,531)

* Average Species Richness/mi²* = $\frac{\text{Total number of species documented in survey}}{\text{total square miles in county}}$

Table 5. Comparison of Non-Native Taxa of the flora of Marengo County, Alabama, USA.

Level of Classification	Number of Non-Native Taxa	Percent of Total Flora
Lycopodiophyta	0	0.0
Pteridophyta	3	0.3
Pinophyta	0	0.0
Magnoliophyta	261	22.4
Magnoliopsida	190	16.3
Liliopsida	71	6.1
Total	264	22.7

HABITATS AND PLANT COMMUNITIES

A number of distinct habitats made up of unique plant communities were documented within Marengo County. These habitats include Blackland prairie, mesic hardwood forests, dry hardwood forests, floodplain forests, riparian zones, marshes and swamps, true aquatic vegetation, and ruderal communities. Each habitat is influenced by soil type, topography, moisture levels, and level of human disturbance, and is divided into unique ecological systems. Ecological systems are biological communities found in similar physical environments and influenced by similar ecological processes (Comer *et al.* 2003). These ecological systems were defined qualitatively during the current study based on distinct plant compositions within a defined habitat. Within each ecological system specific plant community types, or associations, were documented. These associations have a tendency to occur together within areas with similar ecological processes and substrates (Comer *et al.* 2003). Some of the specific plant associations are considered sensitive by NatureServe (2011). Each habitat, ecological system, and association is described below.

Blackland Prairie

Blackland prairies are located in the northern portion of the county. This habitat is greatly influenced by the marl or white chalk bedrock. This bedrock helps to create alkaline soils that may become black and very rich through the build-up of organic matter over time. These areas generally have fairly thin soils allowing them to become dry in summer and autumn. The Blackland prairie habitat is divided into three ecological

systems: (1) Southern Coastal Plain Blackland Prairie and Woodland, (2) Southern Coastal Plain Limestone Forest, and (3) East Gulf Coastal Plain Dry Chalk Bluff.

1.) SOUTHERN COASTAL PLAIN BLACKLAND PRAIRIE AND WOODLAND

Open prairies, evergreen woodlands and oak woodlands are present in this zone. The canopy of the evergreen woodland is dominated primarily of *Juniperus virginiana*. Other woody species present include *Celtis laevigata*, *Prunus angustifolia*, and *Sideroxylon lycioides*. Herbaceous species are mostly absent in this woodland, but may include *Schizachyrium scoparium* var. *scoparium* and other species including *Andropogon* spp. and *Carex cherokeensis* along the edges. The dominance of *Juniperus virginiana* may reflect the absence of fire and the encroachment of this species on the open prairies. Scattered areas in this woodland have a global ranking of G2 and are designated by NatureServe (2011) as a *Juniperus virginiana* var. *virginiana* (*Celtis laevigata*, *Prunus angustifolia*, and *Sideroxylon lycioides*) Woodland.

The oak woodland canopies typically contain *Carya glabra*, *Celtis laevigata*, *Diospyros virginiana*, *Fraxinus americana*, *Quercus durandii*, *Q. falcata*, *Q. marilandica*, *Q. muehlenbergii*, *Q. stellata*, and *Ulmus alata*. Other smaller woody taxa include *Cercis canadensis*, *Frangula caroliniana*, *Ilex decidua*, *I. vomitoria*, *Ligustrum lucidum*, *L. sinense*, *Maclura pomifera*, *Pyracantha koidzumii*, *Rhamnus lanceolata* var. *glabata*, *Rhus glabra*, and *R. copallinum*. Herbaceous species include *Agalinis purpurea*, *A. tenuifolia* var. *tenuifolia*, *Bromus pubescens*, *Carex*

cherokeensis, *Schizachyrium scoparium* var. *scoparium*, *Sorghastrum nutans*, and *Sphenopholis obtusata*. Portions of this woodland have a global ranking of G2G3 and are designated by NatureServe (2011) as a *Quercus stellata* – *Quercus muehlenbergii* / *Schizachyrium scoparium* – *Sorghastrum nutans* Black Belt Woodland.

Open prairies usually have few, if any trees, and consist mostly of prairie graminoids and other herbaceous plants. Some areas are devoid of vegetation entirely, caused by past or current human disturbance, which in turn leads to erosion of topsoil. According to NatureServe (2011) the scattered areas on the prairies of the Southern Coastal Plain Blackland Prairie and Woodland ecological system are recognized as a sensitive plant association with a global rank of G1: *Schizachyrium scoparium* – *Sorghastrum nutans* – *Dalea candida* – *Liatris squarrosa* – (*Silphium terebinthinaceum*) Black Belt Herbaceous Vegetation.

Graminoids documented on open prairies include *Andropogon glomeratus*, *Bothriochloa ischaemum* var. *songarica*, *Bothriochloa laguroides* ssp. *torreyana*, *B. pertusa*, *Carex cherokeensis*, *C. leavenworthii*, *C. meadii*, *C. microdonta*, *Cyperus acuminatus*, *Gymnopogon ambiguus*, *Juncus filipendulus*, *J. interior*, *Muhlenbergia capillaris*, *Panicum flexile*, *Paspalum floridanum*, *Schizachyrium scoparium* var. *scoparium*, *Scirpus pendulus*, *Setaria parviflora*, *Sorghastrum nutans*, *Sporobolus clandestinus*, *S. indicus*, and *S. vaginiflorus* var. *vaginiflorus*. Other herbaceous taxa encountered on open

prairies include *Agalinis heterophylla*, *A. purpurea*, *A. tenuifolia* var. *tenuifolia*, *Allium canadense* var. *mobile*, *Ambrosia psilostachya*, *Anemone berlandieri*, *Arnoglossum plantagineum*, *Asclepias tuberosa*, *A. variegata*, *A. verticillata*, *A. viridiflora*, *A. viridis*, *Asemeia grandiflora*, *Buchnera americana*, *B. floridana*, *Coreopsis grandiflora* var. *grandiflora*, *Crotalaria sagittalis*, *Croton monanthogynus*, *Dalea candida*, *D. purpurea* var. *purpurea*, *Delphinium carolinianum* ssp. *carolinianum*, *Diplotaxis muralis*, *Draba cunenifolia*, *Dracopis amplexicaulis*, *Echinacea pallida*, *Galium virgatum*, *Glandularia bipinnatifida*, *Hedeoma drummondii*, *Helianthus hirsutus*, *Heliotropium tenellum*, *Houstonia lanceolata*, *H. nigricans*, *Ipomopsis rubra*, *Liatris squarrosa*, *L. squarrosa*, *Linum sulcatum*, *Lobelia spicata* var. *leptostachys*, *Manfreda virginica*, *Monarda fistulosa* var. *fistulosa*, *M. fistulosa* var. *mollis*, *Neptunia lutea*, *Oxalis priceae*, *Packera paupercula*, *Physalis cinerascens* var. *cinerascens*, *Polygala boykinii*, *Polytaenia nuttallii*, *Prunella vulgaris*, *Ratibida pinnata*, *Rudbeckia fulgida* var. *fulgida*, *R. hirta* var. *pulcherrima*, *R. terranigrae*, *R. triloba* var. *triloba*, *Ruellia humilis*, *Sabatia angularis*, *Salvia azurea* var. *azurea*, *S. azurea* var. *grandiflora*, *Scutellaria parvula*, *Silphium confertifolium*, *S. integrifolium*, *S. laciniatum*, *S. perfoliatum*, *Solidago nemoralis* var. *nemoralis*, *S. petiolaris*, *S. rigida* var. *glabrata*, *Spiranthes magnicamporum*, *Symphotrichum ericoides*, *S. novae-angliae*, *Sisyrinchium albidum*, *S. minus*, *S. pruinatum*, and *Thelesperma filifolium*.

2.) SOUTHERN COASTAL PLAIN LIMESTONE FOREST

These forests occur on middle to upper slopes of calcareous bedrock deposits. The canopies are typically dominated by species of *Quercus* and *Carya*. Examples of dominant taxa present in the canopy include *Carya carolinae-septentrionalis*, *Quercus muehlenbergii*, *Q. pagoda*, and *Q. stellata*. The uncommon *Carya myristiciformis* can be found in some less disturbed stands within this system. Other woody species include *Acer floridanum*, *Aesculus glabra*, *Carya ovata*, *Fraxinus americana*, and *Liquidambar styraciflua*. Understory species include *Aesculus pavia*, *Cercis canadensis*, *Cornus florida*, *Ostrya virginiana*, and *Ulmus alata*. Shrubs and woody vines include *Arundinaria gigantea*, *Berchemia scandens*, *Bignonia capreolata*, *Cocculus carolinus*, *Cornus drummondii*, *Euonymus atropurpureus*, *Frangula caroliniana*, *Ilex decidua*, *Ptelea trifoliata*, *Sideroxylon lycioides*, *Symphoricarpos orbiculatus*, *Toxicodendron radicans*, and *Viburnum rufidulum*. Herbaceous taxa include *Ageratina altissima* var. *altissima*, *A. aromatica*, *Campanulastrum americanum*, *Carex* spp., *Chasmanthium latifolium*, *C. sessiliflorum*, *Danthonia* spp., *Dichantheium boscii*, *Glandularia canadensis*, *Sanicula canadensis*, *S. odorata*, *Solidago caesia*, *Spigelia marilandica*, *Taenidia integerrima*, *Thalictrum debile*, *Trillium cuneatum*, and *Verbesina virginica*. Two very rare taxa, *Arabis patens* and *Delphinium alabamicum*, were documented together in one stand. One NatureServe (2011) recognized sensitive plant association was documented within this ecological system with a global ranking of G2:

Quercus muehlenbergii – *Quercus shumardii* – *Carya (carolinae-septentrionalis, ovata)* Forest.

3.) EAST GULF COASTAL PLAIN DRY CHALK BLUFF

This very unique system is endemic to the Blackland Prairie region of Alabama and Mississippi. These systems are mostly devoid of vegetation occurring near rivers or streams. The only herbaceous species usually present is *Adiantum capillus-veneris*, thus creating the NatureServe (2011) rare plant association *Adiantum capillus-veneris* Cahaba River Bluff Herbaceous Vegetation. This association has a global ranking of G2G3. The current study only uncovered one occurrence of this ecological system within the county on French Creek southeast of Demopolis.

Mesic Hardwood Forests

Mesic hardwood forests are stands of mostly deciduous trees forming thick canopies, which allow very little sunlight to strike the floor after leaves have emerged, and rich soils. Typically throughout the county, these stands are on north-facing slopes or in deep ravines and usually near ephemeral to small streams. This position allows for moist soil conditions during most of the growing season. Soils in these habitats vary somewhat, but consistently have some type of calcareous bedrock beneath. These forests occur in ravines where calcareous bedrock directly influences the soil chemistry. The Southern Coastal Plain Mesic Slope Forest was the one ecological system observed in the county.

1.) SOUTHERN COASTAL PLAIN MESIC SLOPE FOREST

The canopies of these forests include *Fagus grandifolia*, *Magnolia grandiflora*, *Quercus alba*, and *Q. falcata*. Other canopy and midstory taxa include *Acer leucoderme*, *A. floridanum*, *A. rubrum*, *Carya glabra*, *Celtis laevigata*, *Fraxinus americana*, *Liquidambar styraciflua*, *Liriodendron tulipifera*, *Magnolia acuminata*, *M. macrophylla*, *Morus rubra*, *Pinus glabra*, *Platanus occidentalis*, *Quercus pagoda*, *Q. michauxii*, *Q. nigra*, *Q. rubra*, *Q. shumardii*, *Tilia americana* var. *caroliniana*, and *Ulmus americana*. Shrubs and woody vines include *Aesculus pavia*, *Asimina triloba*, *A. parviflora*, *Bignonia capreolata*, *Callicarpa americana*, *Calycanthus floridus*, *Castanea dentata*, *Dirca palustris*, *Euonymus americanus*, *Hydrangea arborescens*, *H. quercifolia*, *Ilex longipes*, *I. opaca*, *Ligustrum sinense*, *Mitchella repens*, *Muscadinia rotundifolia* var. *rotundifolia*, *Parthenocissus quinquefolia*, *Toxicodendron vernix*, and *Vitis* spp.

This system harbors a number of herbaceous species, many of which have more northern distributions and are making their southern range limit in this system. The herbaceous taxa includes *Actaea pachypoda*, *Anemone acutiloba*, *A. americana*, *Anemone virginiana* var. *virginiana*, *Arisaema dracontium*, *Arisaema triphyllum*, *Arnoglossum reniforme*, *Asarum canadense*, *Asplenium platyneuron*, *Athyrium asplenioides*, *Boechera laevigata*, *Botrychium biternatum*, *Botrychium*

virginianum, *Cardamine angustata*, *Cardamine dissecta*, *Cardamine douglassii*, *Carex abscondita*, *C. albicans* var. *albicans*, *C. basiantha*, *C. blanda*, *C. caroliniana*, *C. cherokeensis*, *C. complanata*, *C. kraliana*, *C. oxylepis*, *C. socialis*, *Claytonia virginica*, *Cystopteris protrusa*, *Cynoglossum virginianum*, *Dichantheium boscii*, *D. laxiflorum*, *D. polyanthes*, *Dioscorea floridana*, *D. villosa*, *Elephantopus tomentosus*, *Endodeca serpentaria*, *Epifagus virginiana*, *Erythronium rostratum*, *Laportea canadensis*, *Lilium michauxii*, *Lithospermum tuberosum*, *Lysimachia lanceolata*, *Nabalus altissimus*, *Obolaria virginica*, *Osmorhiza longistylis*, *Oxalis violacea*, *Pachysandra procumbens*, *Packera obovatus*, *Panax quinquefolius*, *Pedicularis canadensis*, *Phegopteris hexagonoptera*, *Phlox divaricata* ssp. *divaricata*, *Phryma leptostachya*, *Poa autumnalis*, *Podophyllum peltatum*, *Polystichum acrostichoides*, *Sanguinaria canadensis*, *Sanicula canadensis*, *Silene virginica*, *Sisyrinchium nashii*, *Solidago caesia*, *Sphenopholis intermedia*, *Sphenopholis nitida*, *Sphenopholis obtusata*, *Spigelia marilandica*, *Spiranthes cernua*, *Spiranthes ovalis*, *Thalictrum thalictroides*, *Tiarella cordifolia* var. *austrina*, *Tipularia discolor*, *Tradescantia subaspera*, *Trillium cuneatum*, *T. stamineum*, *Urtica chamaedryoides*, and *Uvularia perfoliata*. No unique plant associations could be discerned within these stands.

Dry Hardwood Forests

Dry hardwood forests occur on the upper slopes of ravines in the dry to dry-mesic portions of the stands. These forests primarily occur in the southern third of the county having acidic, well-drained soils. Canopies of the habitat are historically composed of species of *Quercus/Pinus/Carya*. The herbaceous layer is sparse if not absent in some stands. The East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest was the only ecological system observed during this study.

1.) EAST GULF COASTAL PLAIN INTERIOR SHORTLEAF PINE-OAK FOREST

Canopy species of this system include *Carya cordiformis*, *C. ovalis*, *C. pallida*, *C. tomentosa*, *Pinus echinata*, *P. taeda*, *Quercus alba*, *Q. coccinea*, *Q. falcata*, and *Q. velutina*. Midstory taxa include canopy species *Castanea pumila*, *Cornus florida*, *Nyssa sylvatica*, *Quercus incana*, *Q. laevis*, *Q. margarettiae*, and *Sassafras albidum*. Shrub and woody vine taxa of this system includes *Chionanthus virginicus*, *Clematis reticulata*, *Crataegus flava*, *C. uniflora*, *Gaylussacia dumosa*, *G. tomentosa*, *Gelsemium sempervirens*, *Hypericum crux-andreae*, *H. drummondii*, *H. gentianoides*, *H. hypericoides*, *Ilex opaca*, *I. vomitoria*, *Lonicera japonica*, *L. sempervirens*, *Malus angustifolia*, *Morella cerifera*, *Muscadinia rotundifolia* var. *rotundifolia*, *Smilax hispida*, *S. pumila*, *Vaccinium arboreum*, *V. darrowii*, *V. elliotii*, *V. stamineum*, and *Yucca filamentosa*.

The herbaceous layer within this system can be sparse, but the forest edge includes *Andropogon* spp., *Carex caroliniana*, *C. cherokeeensis*, *C. complanata*, *C. muehlenbergii* var. *muehlenbergii*, *Coreopsis grandiflora* var. *harveyana*, *C. lanceolata*, *C. major*, *C. tripteris*, *Crotalaria sagittalis*, *Croton willdenowii*, *Danthonia sericea*, *D. spicata*, *Desmodium ciliare*, *D. laevigatum*, *D. nuttallii*, *D. paniculatum*, *D. rotundifolia*, *D. viridiflorum*, *Dichanthelium aciculare*, *D. angustifolium*, *D. depauperatum*, *D. polyanthes*, *Eupatorium rotundifolium* var. *rotundifolium*, *Euphorbia corollata*, *Pityopsis aspera* var. *adenolepis*, *P. graminifolia*, *Silphium asteriscus* var. *asteriscus*, *Sisyrinchium angustifolium*, *Symphyotrichum adnatum*, *Tephrosia spicata*, *Viola hirsutula*, *V. primulifolia*, and *V. septemloba*. No specific plant associations could be discerned during this study according to defined parameters as described by Nature Serve (2011).

Floodplain Forests and Associated Riparian Zones

Floodplain forests and associated riparian zones occur adjacent to small streams to large rivers where swift flowing water in the winter and spring months inundate these areas. Once the waters recede, sediments, sand and organic materials carried by the water are deposited in these forests. Typical canopies are very dense, allowing very little light to strike the forest floor. The associated riparian zones of these river systems are also impacted by the fast moving waters. Typically, eroded sediments from the natural levees travel downstream, possibly being deposited in downstream riparian zones. This habitat is divided into two ecological systems: (1) East Gulf Coastal Plain Large River

Floodplain Forest and (2) East Gulf Coastal Plain Small Stream and River Floodplain Forest.

1.) EAST GULF COASTAL PLAIN LARGE RIVER FLOODPLAIN FOREST

This ecological system can be found along the Tombigbee River. Canopies and midstory are composed of *Acer negundo*, *Carya aquatica*, *Fraxinus caroliniana*, *F. pennsylvanica*, *Juglans nigra*, *Nyssa aquatica*, *N. biflora*, *Platanus occidentalis*, *Quercus laurifolia*, *Q. lyrata*, *Q. michauxii*, *Q. nigra*, *Q. oglethorpensis*, *Quercus phellos*, *Salix nigra*, and *Taxodium distichum*. Shrubs and woody vines include *Brunnichia ovata*, *Calycocarpum lyonii*, *Crataegus marshallii*, *C. spathulata*, *Halesia diptera*, *Hypericum prolificum*, *Ligustrum sinense*, *Sabal minor*, *Smilax glauca*, *S. laurifolia*, *S. smallii*, and *Toxicodendron radicans*. In the midstory, attached to various tree species, is *Tillandsia usneoides*.

Herbaceous taxa are variable with regard to the soil moisture. The herbaceous layer includes *Carex* spp., *Ditrysinia fruticosa*, *Echinodorus cordifolius*, *Helianthus simulans*, *Heterotheca latifolia*, *Heterotheca subaxillaris*, *Hydrocotyle verticillata*, *Justicia ovata* var. *lanceolata*, *Justicia ovata* var. *ovata*, *Lackeya multiflora*, *Perilla frutescens*, and *Yeatesia viridiflora*. No unique plant associations could be discerned during this study.

2.) EAST GULF COASTAL PLAIN SMALL STREAM AND RIVER FLOODPLAIN FOREST

The canopies of this ecological system retain many of the same species as the East Gulf Coastal Plain Large River Floodplain Forest. Woody species that were documented include *Alnus serrulata*, *Ampelopsis arborea*, *Betula nigra*, *Carpinus caroliniana*, *Celtis laevigata*, *Decumaria barbara*, *Illicium floridanum*, *Itea virginica*, *Liquidambar styraciflua*, *Magnolia grandiflora*, and *Ostrya virginiana*. Herbaceous taxa also include many of the above taxa. Other herbaceous taxa documented during this study included *Arnoglossum ovatum*, *Cardamine bulbosa*, *Chasmanthium latifolium*, *C. sessiliflorum*, *Commelina virginica*, *Festuca subverticillata*, *Gratiola floridana*, *Hymenocallis occidentalis* var. *occidentallis*, *Isolepis carinata*, *Listera australis*, *Lycopus americanus*, *Lycopus rubellus*, *L. virginicus*, *Macrothelypteris torresiana*, *Osmunda spectabilis*, *Osmundastrum cinnamomeum*, *Platanthera clavellata*, *P. flava*, *Ranunculus recurvatus* var. *recurvatus*, *Scleria triglomerata*, *Scrophularia marilandica*, *Thelypteris kunthii*, *Trillium lancifolium*, *T. maculatum*, *Uvularia floridana*, *Woodwardia aerolata*, *W. virginica*, and *Zephyranthes atamasca*. No unique plant associations could be discerned during this study according to defined parameters as described by Nature Serve (2011).

Marshes and Swamps

Marshes and swamps are very common throughout the county. Both are considered aquatic communities, but differ because swamps have an established canopy. Both systems have many of the same herbaceous taxa; however, swamps include woody species associated with the canopy. There were no specific ecological systems or unique plant associations observed within the county.

Herbaceous taxa commonly found include *Ammannia coccinea*, *Bidens discoidea*, *Carex* spp., *Cyperus* spp., *Eleocharis* spp., *Fimbristylis* spp., *Juncus* spp., *Ludwigia* spp., *Lysimachia minima*, *Mikania scandens*, *Mitreola petiolata*, *Persicaria* spp., *Polygonum* spp., *Rhynchospora* spp., *Sagittaria australis*, *Sagittaria calycina* var. *calycina*, *Sagittaria platyphylla*, *Saururus cernuus*, *Scirpus cyperinus*, and *Typha latifolia*.

Canopy species of swamps include *Quercus lyrata*, *Q. michauxii*, *Nyssa aquatica*, *N. biflora*, *Salix nigra*, and *Taxodium distichum*. Shrubs and woody vines commonly encountered in swamps and marshes include *Alnus serrulata*, *Cephalanthus occidentalis*, *Cornus foemina*, *Cyrilla racemiflora*, *Hibiscus laevis*, and *H. moscheutos* var. *moscheutos*.

True Aquatic Vegetation

True aquatic vegetation is characterized by rooted or nonrooted plants that float on the surface or occur within the water column. There were no specific ecological systems or unique plant associations observed within the county. These taxa can persist

anywhere there is standing water which produces ponds, lakes, marshes, swamps, or sluggish streams.

Taxa encountered in these situations include *Brasenia schreberi*, *Callitriche heterophylla*, *Ceratophyllum demersum*, *C. echinatum*, *Heteranthera reniformis*, *Hottonia inflata*, *Landoltia punctata*, *Lemna aequinoctialis*, *Limnobium spongia*, *Najas guadalupensis* ssp. *guadalupensis*, *N. minor*, *Nelumbo lutea*, *Potamogeton diversifolius*, *P. pulcher*, *P. pusillus* ssp. *tenuissimus*, *Salvinia minima*, *Spirodela polyrrhiza*, *Utricularia biflora*, *U. inflata*, *Wolffia brasiliensis*, and *Wolffiella gladiata*.

Ruderal Vegetation

Ruderal vegetation includes any areas that have been altered from its natural state. These alterations are typically by man, but also could be from natural disturbances on a large scale (e.g. tornados). These disturbed situations include recent clear cut forest, powerline clearings, roadsides, lawns, fallow fields, pastures, old home sites, ditches, vacant lots, cemeteries, railroad tracks, trash dumps, concrete parking lots and sidewalks, and other waste places.

These disturbed areas are usually dominated by non-native and native weedy taxa. Trees include *Ailanthus altissima*, *Ligustrum sinense*, *L. lucida*, *Lonicera fragrantissima*, *Rhus glabra*, *R. copallinum*, *Melia azedarach*, and *Paulownia tomentosa*. Woody vines include *Campsis radicans*, *Lonicera japonica*, *Pueraria lobata*, *Toxicodendron radicans*, and *Wisteria sinensis*. Members of herbaceous taxa are very abundant in these situations and are too numerous to summarized here.

VASCULAR FLORA OF MARENGO COUNTY

The systematic treatment of the flora is arranged phylogenetically by divisions according to Christenhusz et al (2011a), Christenhusz et al (2011b), and Weakley (2012).

Classes are used to distinguish between dicots and monocots within the division Magnoliophyta. Families, genera, and specific & infraspecific taxa are arranged alphabetically.

The following format is implemented in this flora:

FAMILY Authority Date
Common name

Genus Authority

Species Authority – COMMON NAME. Habitat and ecological data; abundance within county. Remarks. [*Synonyms* Authority]. Collection number.

A star [★] and state (S) and global (G) rankings following the common name indicates sensitive species according to Alabama Natural Heritage Program (2013). A double dagger [‡] following the common name indicates a non-native species. Terms used to measure species abundance within the county will include: “Rare” indicating a species in which five or fewer populations were encountered; “infrequent” indicating six to fifteen populations of a species encountered; and “common” is assigned to all species in which more than fifteen populations were observed. Remarks are not included for every entry. All collection numbers labeled *JKE #* are from the current study and vouchered in The University of West Alabama Herbarium (UWAL), unless otherwise

indicated by the collector name, collection number, and the herbarium acronym in which the specimen is housed.

DIVISION LYCOPODIOPHYTA

LYCOPODIACEAE Palisot de Beauvois 1802 Clubmoss Family

1. *Lycopodiella* Holub

1. *Lycopodiella* ×*copelandii* (Eiger) Cranfill – COPELANDS CLUBMOSS. Wet swales along roadside; rare. [*Lycopodiella alopecuroides* × *appressa*, *Lycopodium* × *copelandii* Eiger]. *R. Kral 51405* (VDB).

SELAGINELLACEAE Willkomm 1854 Spike-Moss Family

1. *Lycopodioides* Boehmer

1. *Lycopodioides apodum* (Linnaeus) Kuntze – MEADOW SPIKE MOSS. Low woods near seepage spring; rare. [*Diplostachyum apodum* (Linnaeus) Beauvois; *Selaginella apoda* (Linnaeus) Spring; *Selaginella apus* Spring]. *JKE #1141*.

DIVISION PTERIDOPHYTA

ASPLENIACEAE Newman 1840 Spleenwort Family

1. *Asplenium* Linnaeus

1. *Asplenium platyneuron* (Linnaeus) Britton, Sterns, & Poggenburg – EBONY

SPLEENWORT. Mesic to dry woodlands; common. [*Asplenium platyneuron* (Linnaeus) Britton, Sterns & Poggenburg var. *bacculum-rubrum* (Featherman) Fernald; *Asplenium platyneuron* (Linnaeus) Britton, Sterns & Poggenburg var. *incisum* (Howe ex Peck) B.L. Robinson]. *JKE #951, JKE #4311.*

ATHYRIACEAE Alston 1956 Lady Fern Family

1. *Athyrium* Roth

1. *Athyrium asplenioides* (Michaux) A.A. Eaton – SOUTHERN LADY FERN. Moist woods and ravines; common. [*Asplenium filix-foemina* (Linnaeus) Bernhardt; *Athyrium filix-femina* (Linnaeus) Roth ex Mertens var. *asplenioides* (Michaux) Farwell; *Athyrium filix-femina* (Linnaeus) Roth ex Mertens ssp. *asplenioides* (Michaux) Hultén]. *JKE #1190, JKE #1258, JKE #3014, JKE #3852.*

BLECHNACEAE Newman 1844 Deer Fern Family

1. *Woodwardia* J.E. Smith

1. *Woodwardia areolata* (Linnaeus) T. Moore – NETTED CHAIN FERN. Wet woods and ditches; common. [*Lorinseria areolata* (Linnaeus) K. Presl]. *JKE #3737.*

2. *Woodwardia virginica* (Linnaeus) J.E. Smith – VIRGINIA CHAIN FERN. Low wet woods to ditches; rare. [*Anchistea virginica* (Linnaeus) K. Presl]. *JKE* #2547, *JKE* #3759.

CYSTOPTERIDACEAE Schmakov 2001
Brittle Fern Family

1. *Cystopteris* Bernhardt

1. *Cystopteris protrusa* (Weatherby) Blasdell – LOWLAND BLADDER FERN. Rich woods; rare. [*Cystopteris fragilis* (Linnaeus) Bernhardt var. *protrusa* Weatherby]. *R. Kral* 38806 (VDB).

DENNSTAEDTIACEAE Lotsy 1909
Bracken Fern Family

1. *Pteridium* Gleditsch ex Scopoli

1. *Pteridium aquilinum* (Linnaeus) Kuhn var. *pseudocaudatum* (Clute) Hultén – TAILED BRACKEN FERN. Dry, sandy woodlands; common. [*Pteridium aquilinum* (Linnaeus) Kuhn ssp. *pseudocaudatum* (Clute) Hultén; *Pteridium latiusculum* (Desvaux) Hieronymus var. *pseudocaudatum* (Clute) Maxon; *Pteris aquilina* Linnaeus var. *pseudocaudata* Clute]. *JKE* #959.

DRYOPTERIDACEAE Herter 1949
Wood-fern Family

1. *Polystichum* Roth

1. *Polystichum acrostichoides* (Michaux) Schott – CHRISTMAS FERN. Moist to dry

woods and ravines; common. *JKE #1189*.

EQUISETACEAE Michaux ex de Candolle 1804
Horsetail Family

1. *Equisetum* Linnaeus

1. *Equisetum arvense* Linnaeus – FIELD HORSETAIL ☼ S2/G5. Sandy river bank below a chalk bluff; rare. Only one population known along banks of Tombigbee River south of Demopolis. *R.M. Harper #121* (UNA).

2. *Equisetum hyemale* Linnaeus ssp. *affine* Calder & Roy L. Taylor – TALL SCOURING RUSH. Low, moist woods near streams and rivers; infrequent. [*Equisetum hyemale* Linnaeus var. *affine* (Engelmann) A.A. Eaton; *Equisetum hyemale* Linnaeus var. *elatum* (Engelmann) Morton; *Equisetum hyemale* Linnaeus var. *pseudohyemale* (Farwell) Morton; *Equisetum hyemale* Linnaeus var. *robustum* (A. Braun) A.A. Eaton; *Equisetum praealtum* Rafinesque; *Equisetum robustum* A. Braun; *Hippochaete hyemalis* (Linnaeus) Bruhin ssp. *affinis* (Engelmann) W.A. Weber]. *JKE #3028*.

LYGODIACEAE M. Roemer 1840
Climbing Fern Family

1. *Lygodium* Swartz

1. *Lygodium japonicum* (Thunberg ex Murray) Swartz – JAPANESE CLIMBING FERN ‡. Low and upland woods; infrequent. *JKE #997*.

ONOCLEACEAE Pichi Sermolli 1970
Sensitive Fern Family

1. *Onoclea* Linnaeus

1. *Onoclea sensibilis* Linnaeus var. *sensibilis* – SENSITIVE FERN. Low, moist to wet woods and ditches; common. *JKE #1193, JKE #3089.*

OPHIOGLOSSACEAE Martinov 1820
Adder's-tongue Family

1. *Botrychium* Swartz

1. *Botrychium biternatum* (Savigny) L. Underwood – SOUTHERN GRAPE FERN. Mesic to dry woodlands; common. [*Botrychium dissectum* Sprengel var. *tenuifolium* (Underwood) Farwell; *Sceptridium biternatum* (Savigny) Lyon]. *C. Mohr s.n.* (UNA), *JKE #952, JKE #1138, JKE #1269.*
2. *Botrychium lunarioides* (Michaux) Swartz – WINTER GRAPE FERN. Sandy lawn; rare. Only one population encountered in lawn at Dayton. [*Botrypus lunarioides* Michaux; *Sceptridium lunarioides* (Michaux) Holub]. *JKE #1824.*
3. *Botrychium virginianum* (Linnaeus) Swartz – RATTLESNAKE FERN. Mesic and wet woods; common. [*Botrypus virginianus* (Linnaeus) Michaux; *Osmundopteris virginiana* (Linnaeus) Small]. *JKE #1731, JKE #1969.*

2. *Ophioglossum* Linnaeus

1. *Ophioglossum crotalophoroides* Walter – DWARF ADDER'S TONGUE. Grassy, roadside flats; rare. [*Ophioglossum crotalophoroides* Walter var. *nanum* Osten ex de Lichtenstein]. *JKE #1622.*

OSMUNDACEAE Martinov 1820
Royal Fern Family

1. *Osmunda* Linnaeus

1. *Osmunda spectabilis* Willdenow – ROYAL FERN. Low, moist woods and wet ditches; rare. [*Osmunda regalis* Linnaeus var. *spectabilis* (Willdenow) A. Gray]. *JKE* #1976.

2. *Osmundastrum* C. Presl

1. *Osmundastrum cinnamomeum* (Linnaeus) C. Presl – CINNAMON FERN. Low, moist woods; infrequent. [*Osmunda cinnamomea* Linnaeus var. *cinnamomea*; *Osmunda cinnamomea* Linnaeus var. *glandulosa* Waters]. *JKE* #1722.

POLYPODIACEAE J. Presl & C. Presl 1822
Polypody Family

1. *Pleopeltis* Humboldt & Bonpland ex Willdenow

1. *Pleopeltis polypodioides* (Linnaeus) E.G. Andrews & Windham ssp. *michauxiana* (Weatherby) E.G. Andrews & Windham – RESURRECTION FERN. Epiphyte growing on many different tree species with most common being *Quercus* sp.; common. [*Marginaria polypodioides* (Linnaeus) Tidestrom; *Polypodium polypodioides* (Linnaeus) Watt; *Polypodium polypodioides* (Linnaeus) Watt var. *michauxianum* Weatherby]. *JKE* #957.

PTERIDACEAE E.D.M. Kirchner 1831
Maidenhair Fern Family

1. *Adiantum* Linnaeus

1. *Adiantum capillus-veneris* Linnaeus – VENUS' HAIR FERN. Hanging from chalk

bluff, rich ravines with exposed chalk; rare. *JKE #3534*.

SALVINIACEAE Martinov 1820

Floating Fern Family

1. *Azolla* Lamarck

1. *Azolla caroliniana* Willdenow – EASTERN MOSQUITO FERN. Floating on waters of backwater sloughs of major rivers, bald cypress swamps; commonly found stranded on mudflats surrounding the aforementioned bodies of water; common. *JKE #3012*.

2. *Salvinia* Séguier

1. *Salvinia minima* Baker – FLOATING FERN ‡. Floating on waters of major rivers and backwaters sloughs; common. [*Salvinia rotundifolia* auct. non Willdenow]. *JKE #964*.

THELYPTERIDACEAE Pichi Sermolli 1970

Marsh Fern Family

1. *Macrothelypteris* (H. Itô) Ching

1. *Macrothelypteris torresiana* (Gaudichaud-Beaupré) Ching – FALSE MAIDEN FERN ‡. Low woods typically near streams; rare. [*Dryopteris setigera* auct. non Blume; *Thelypteris torresiana* (Gaudichaud-Beaupré) Alston]. *JKE #1188*, *JKE #3849*.

2. *Phegopteris* (C. Presl) Fée

1. *Phegopteris hexagonoptera* (Michaux) Fée – BROAD BEECH FERN. Mesic ravines; infrequent. [*Dryopteris hexagonoptera* (Michaux) C. Christensen; *Thelypteris hexagonoptera* (Michaux) Weatherby]. *JKE #2982*, *JKE #3179*.

3. *Thelypteris* Schmidel

1. *Thelypteris kunthii* (Desvaux) C.V. Morton – SOUTHERN SHIELD FERN. Low woods, moist ditches; rare. [*Christella normalis* (C. Christensen) Holttum; *Thelypteris normalis* (C. Christensen) Moxley]. *JKE #1194*.
2. *Thelypteris palustris* Schott var. *pubescens* (Lawson) Fernald – EASTERN MARSH FERN. Wet roadside ditches; infrequent. [*Dryopteris thelypteris* (Linnaeus) Gray var. *pubescens* (Lawson) A.R. Prince ex Weatherby; *Thelypteris palustris* Schott var. *haleana* Fernald; *Thelypteris thelypteris* (Linnaeus) Nieuwland]. *JKE #3097*.

DIVISION PINOPHYTA

CUPRESSACEAE Bartlett 1830 Cypress Family

1. *Juniperus* Linnaeus

1. *Juniperus virginiana* Linnaeus var. *virginiana* – EASTERN RED CEDAR. Prairie, dry woodlands to mesic slopes; common. [*Juniperus barbadensis* C. Mohr, non Linnaeus; *Sabina silicicola* Small]. *JKE* #788.

2. *Taxodium* L.C. Richard

1. *Taxodium distichum* (Linnaeus) L.C. Richard – BALD CYPRESS. Floodplain woods, edges of swamps and in standing water; common. *JKE* #782, *JKE* #3845.

PINACEAE Sprengel ex F. Rudolphi 1830 Pine Family

1. *Pinus* Linnaeus

1. *Pinus clausa* (Chapman ex Engelman) Vasey ex Sargent – SAND PINE. Remnant scrub *Pinus/Quercus* woods; rare. *JKE* #3896.
2. *Pinus echinata* P. Miller – SHORTLEAF PINE. Dry oak/pine hills; infrequent. *JKE* #2961.
3. *Pinus elliottii* Engelman var. *elliottii* – SLASH PINE. Cultivation for pulp; infrequent. [*Pinus heterophylla* (Elliott) Sudworth]. *JKE* #3251.
4. *Pinus glabra* Walter – SPRUCE PINE. Mesic woodland slopes and ravines; infrequent. *JKE* #1217.
5. *Pinus palustris* P. Miller – LONGLEAF PINE. Various forest types and cultivation for

pulp; infrequent. [*Pinus australis* Michaux f.]. *JKE #3246*.

6. *Pinus taeda* Linnaeus – LOBLOLLY PINE. Wet to dry woods and roadsides; common.

JKE #2979.

7. *Pinus virginiana* Miller – VIRGINIA PINE. Dry hilltops primarily in the southern portion of county; rare. *JKE #1209*.

DIVISION MAGNOLIOPHYTA

CLASS MAGNOLIOPSIDA

ACANTHACEAE Durande 1762 Acanthus Family

1. *Dicliptera* Antoine Laurent de Jussieu

1. *Dicliptera brachiata* (Pursh) Sprengel – BRANCHED FOLDWING. Bottomland forest along stream; rare. [*Diapedium brachiatum* (Pursh) Kuntze]. *B.R. Keener #6155* (UWAL).

2. *Justicia* Linnaeus

1. *Justicia americana* (Linnaeus) Vahl – AMERICAN WATER WILLOW. River banks, stream beds in shallow water; common. [*Dianthera americana* Linnaeus]. *JKE #1473*.
2. *Justicia ovata* (Walter) Lindau var. *lanceolata* (Chapman) Long– LOOSEFLOWER WATER WILLOW. Wet, roadside depressions and marshes; common. [*Dianthera ovata* Walter var. *lanceolata* Chapman; *Justicia lanceolata* (Chapman) Small]. *JKE #1282, JKE #4440*.
3. *Justicia ovata* (Walter) Lindau var. *ovata* – COASTAL PLAIN WATER WILLOW. Swamps and marshes; common. [*Dianthera ovata* Walter]. *JKE #3077*.

3. *Ruellia* Linnaeus

1. *Ruellia caroliniensis* (J. F. Gmelin) Steudel – CAROLINA WILD PETUNIA. Low woodlands; infrequent. [*Ruellia ciliosa* Pursh var. *hybrida* (Pursh) Gray; *Ruellia parviflora* (Nees) Britton]. *JKE #3069, JKE #4370*.

2. *Ruellia humilis* Nuttall – HAIRY WILD PETUNIA. Prairie; rare. [*Ruellia ciliosa* Pursh var. *humilis* (Nuttall) Britton]. *J.L. Thomas 2428* (UNA).
3. *Ruellia strepens* Linnaeus – LIMESTONE WILD PETUNIA. Calcareous woodlands; common. *JKE #1400*.

4. *Yeatesia* Small

1. *Yeatesia viridiflora* (Nees) Small – YELLOW BRACT SPIKE. Rich bottomlands; rare. [*Dicliptera halei* Riddell; *Yeatesia laetevirens* (Buckley) Small]. *T. Henderson 142* (AUA).

ADOXACEAE Trautvetter 1853 Muskroot Family

1. *Sambucus* Linnaeus

1. *Sambucus canadensis* Linnaeus – AMERICAN ELDERBERRY. Stream banks, moist woodlands, and other disturbed areas; common. [*Sambucus canadensis* Linnaeus var. *submollis* Rehder; *Sambucus nigra* Linnaeus ssp. *canadensis* (Linnaeus) R. Bolli; *Sambucus simpsonii* Rehder ex Sargent]. *JKE #2544*.

2. *Viburnum* Linnaeus

1. *Viburnum dentatum* Linnaeus – SOUTHERN ARROW WOOD. Swamps and low woods; rare. [*Viburnum semitomentosum* (Michaux) Rehder]. *T. Henderson 229* (AUA).
2. *Viburnum nudum* Linnaeus – POSSUM HAW VIBURNUM. Wet roadsides, bogs, and seepages; infrequent. [*Viburnum nudum* Linnaeus var. *angustifolium* Torrey & Gray]. *JKE #3758, JKE #4143, JKE #4468*.
3. *Viburnum rufidulum* Rafinesque – SOUTHERN BLACKHAW. Sandy to calcareous,

dry woods; common. [*Viburnum rufotomentosum* Small]. *JKE #1020, JKE #3189.*

AIZOACEAE Rudolphi 1830
Fig Marigold Family

1. *Trianthema* Linnaeus 1753

1. *Trianthema portulacastrum* Linnaeus – DESERT HORSE PURSLANE ‡. Disturbed area near train tracks; rare. *JKE #2967.*

ALTINGIACEAE Lindley 1846
Sweet-gum Family

1. *Liquidambar* Linnaeus 1753

1. *Liquidambar styraciflua* Linnaeus – SWEET GUM. Various habitats; more commonly found associated with low or bottomland woods. Common. *JKE #2980.*

AMARANTHACEAE A.L. de Jussieu 1789
Amaranth Family

1. *Alternanthera* Forsskål

1. *Alternanthera philoxeroides* (Martius) Grisebach – ALLIGATOR WEED ‡. Moist riparian areas, wet ditches, ponds, and other disturbed moist to wet areas. [*Achyranthes philoxeroides* (Martius) Standley; *Telanthera philoxeroides* (Martius) Moquin var. *acutifolia* Moquin]. *JKE #2926.*

2. *Amaranthus* Linnaeus

1. *Amaranthus spinosus* Linnaeus – SPINY AMARANTH. Fields, roadsides, pastures, fallow fields, and other disturbed areas; common. *JKE #3721.*

2. *Amaranthus tuberculatus* (Moquin-Tandon) J.D. Sauer – INLAND WATER HEMP.
 [Acnida altissima (Riddell) Moquin ex Standley; Acnida concatenata (Moquin) Small; Acnida subnuda (S. Watson) Standley; Acnida tamariscina (Nuttall) Wood; Amaranthus rudis Sauer; Amaranthus tamariscinus Nuttall]. JKE #3087.
3. *Amaranthus viridis* Linnaeus – SLENDER AMARANTH ‡. Disturbed areas; common.
 [Amaranthus gracilis Desfontaines]. JKE #3684, JKE #3693.

ANACARDIACEAE R. Brown 1818, nom. cons.
 Cashew Family

1. *Rhus* Linnaeus

1. *Rhus aromatica* Aiton – FRAGRANT SUMAC. Calcareous forests; common.
 [Schmaltzia crenata (P. Miller) Greene]. JKE #2668.
2. *Rhus copallinum* Linnaeus – WINGED SUMAC. Dry woods and other disturbed areas; common. [*Rhus copallinum* Linnaeus var. *latifolia* Engler; *Rhus copallinum* Linnaeus var. *leucantha* (Jacquin) A.P. de Candolle]. JKE #984.
3. *Rhus glabra* Linnaeus – SMOOTH SUMAC. Woodlands edges, roadside slopes, and disturbed areas. JKE #1010.

2. *Toxicodendron* P. Miller

1. *Toxicodendron radicans* (Linnaeus) Kuntze – EASTERN POISON IVY. Many different habitats including low woodlands to dry forests; common. [*Rhus radicans* Linnaeus]. JKE # 2944.
2. *Toxicodendron vernix* (Linnaeus) Kuntze – POISON SUMAC. Seepages and wet areas associated with bogs; rare. [*Rhus vernix* Linnaeus]. H. D. Moore 302-69 (VDB).

ANNONACEAE A.L. de Jussieu 1789
Custard-Apple Family

1. *Asimina* Adanson

1. *Asimina parviflora* (Michaux) Dunal – DWARF PAWPAW. Slopes of mesic ravines and dry, sandy woodlands; infrequent. *JKE #1746, JKE #3898.*
2. *Asimina triloba* (Linnaeus) Dunal – COMMON PAWPAW. Alluvial woods in mesic ravines; infrequent. *JKE #1747.*

APIACEAE Lindley 1836
Carrot Family

1. *Ammoselinum* Torrey & A. Gray

1. *Ammoselinum butleri* (Engelmann ex S. Watson) Coulter & Rose – BUTLER'S SAND PARSLEY ‡. Lawns and other disturbed areas; rare. *JKE #4090.*

2. *Angelica* Linnaeus

1. *Angelica venenosa* (Greenway) Fernald – DEADLY ANGELICA. Woodland borders and roadsides; rare. [*Angelica villosa* (Walter) Britton, Sterns & Poggenburg].
H. D. Moore 273-69 (VDB)

3. *Chaerophyllum* Linnaeus

1. *Chaerophyllum tainturieri* Hooker – SOUTHERN CHERVIL. Roadsides, field, and other disturbed sites; common. *JKE # 1942, JKE #1965.*

4. *Cicuta* Linnaeus

1. *Cicuta maculata* Linnaeus – WATER HEMLOCK. Wet ditches and seepages; common.
[*Cicuta bolanderi* S. Watson; *Cicuta maculata* Linnaeus var. *bolanderi* (S. Watson) Mulligan]. *JKE #2464.*

5. *Cryptotaenia* A.P. de Candolle

1. *Cryptotaenia canadensis* (Linnaeus) A.P. de Candolle – CANADIAN HONEWORT.

Rich alluvial or bottomland woods; common. [*Deringa canadensis* (Linnaeus) Kuntze]. *JKE #3541, JKE #3657, JKE #4358.*

6. *Cyclospermum* Lagasca y Segura

1. *Cyclospermum leptophyllum* (Persoon) Sprague ex Britton & Wilson – MARSH

PARSLEY ‡. Disturbed areas and moist roadside ditched; common. [*Apium leptophyllum* (Persoon) F. Mueller; *Apium ammi* (Linnaeus) Urban; *Cyclospermum ammi* auct. non (Linnaeus) Britton]. *JKE #1754, JKE #2429, JKE # 2478, JKE #3530.*

7. *Daucus* Linnaeus

1. *Daucus carota* Linnaeus – QUEEN ANNE'S LACE ‡. Roadsides and other disturbed areas; common. *JKE #2462.*

8. *Eryngium* Linnaeus

1. *Eryngium integrifolium* Walter – BLUE FLOWER ERYNGO. Seepages and wet roadside ditches; infrequent. *JKE #1136, JKE #3738.*
2. *Eryngium prostratum* Nuttall ex A.P. de Candolle – CREEPING ERYNGO. Bogs, marshes, and wet ditches; common. *JKE #3570.*
3. *Eryngium yuccifolium* Michaux *var. yuccifolium* – NORTHERN RATTLESNAKE MASTER. Pine flatwoods and moist roadside ditches; infrequent. *JKE #2499.*

8. *Osmorhiza* Rafinesque

1. *Osmorhiza longistylis* (Torrey) A.P. de Candolle – SMOOTH SWEET CICELY. Rich woods and mesic slopes; rare. [*Washingtonia longistylis* (Torrey) Britton] *JKE* #2072.

10. *Polytaenia* A.P. de Candolle

1. *Polytaenia nuttallii* A.P. de Candolle – PRAIRIE PARSLEY. Prairies; rare. [*Pleiotaenia nuttallii* (A.P. de Candolle) Coulter & Rose]. *R. Kral 31223* (VDB).

11. *Ptilimnium* Rafinesque

1. *Ptilimnium capillaceum* (Michaux) Rafinesque – EASTERN BISHOPWEED. Roadside ditches and other moist disturbed areas; common. *JKE* #2507, *JKE* #2989, *JKE* #3495.

12. *Sanicula* Linnaeus

1. *Sanicula canadensis* Linnaeus – CANADIAN BLACK SNAKEROOT. Various woodlands but most commonly in mesic woods; common. [*Sanicula floridana* Bicknell]. *JKE* #2424, *JKE* #3433, *JKE* #4287, *JKE* #4357.
2. *Sanicula odorata* (Rafinesque) K.M. Pryer & L.R. Phillippe – CLUSTERED SNAKEROOT. Mesic to dry rich forests; rare. [*Sanicula gregaria* Bicknell]. *R. Kral 38804* (VDB), *JKE* #3540.

13. *Scandix* Linnaeus

1. *Scandix pecten-veneris* Linnaeus - SHEPHERD'S NEEDLE ‡. Roadsides and other disturbed areas; common. *JKE* #1715, *JKE* #1790.

14. *Taenidia* (Torrey & A. Gray) Drude

1. *Taenidia integerrima* (Linnaeus) Drude - YELLOW PIMPERNEL. Rich, mesic slopes

underlain by calcareous bedrock near an ephemeral stream; rare; Only one population found within county with over 50 individuals present. *JKE #2443*, *JKE #3532*.

15. *Thaspium* Nuttall

1. *Thaspium trifoliatum* (Linnaeus) A. Gray var. *aureum* (Linnaeus) Britton – YELLOW MEADOW PARSNIP. Low woods; common. [*Thaspium trifoliatum* (Linnaeus) A. Gray var. *flavum* Blake]. *JKE #1960*.

16. *Torilis* Adanson

1. *Torilis arvensis* (Hudson) Link – SPREADING BUR PARSLEY ‡. Roadside margins, ditches, and other disturbed areas; common. *JKE #2428*, *JKE #2461*, *JKE #2532*, *JKE #3439A*.
2. *Torilis nodosa* (Linnaeus) Gaertner – KNOTTED BUR PARSLEY ‡. Lawns and other disturbed areas; rare. [*Caucalis nodosa* (Linnaeus) Hudson]. *JKE #2437*.

17. *Trepocarpus* Nuttall ex A.P. de Candolle

1. *Trepocarpus aethusae* Nuttall ex A.P. de Candolle – WHITE NYMPH. Rich, moist forests; common. *JKE #2430*, *JKE #2498*, *JKE #2990*.

18. *Zizia* W.D.J. Koch

1. *Zizia trifoliata* (Michaux) Fernald – MOUNTAIN GOLDEN ALEXANDERS. Moist ditch near woodland border; common. [*Zizia arenicola* Rose; *Zizia bebbii* (Coulter & Rose) Britton]. *JKE #3427*.

APOCYNACEAE A.L. de Jussieu 1789

Dogbane Family

1. *Amsonia* Walter

1. *Amsonia* *sp. nov.* Moist ditches on prairie; infrequent. *JKE #1948, JKE #3523.*
2. *Amsonia tabernaemontana* Walter – EASTERN BLUESTARS. Rich woods; rare.
 [*Amsonia amsonia* (Linnaeus) Britton; *Amsonia salicifolia* Pursh; *Amsonia tabernaemontana* Walter var. *salicifolia* (Pursh) Woodson]. *J.W Harris s.n.* (UWAL).

2. *Apocynum* Linnaeus

1. *Apocynum cannabinum* Linnaeus – HEMP DOGBANE. Roadside ditches and slopes; common. [*Apocynum cannabinum* Linnaeus var. *glaberrimum* Alphonse de Candolle; *Apocynum cannabinum* Linnaeus var. *nemorale* (G.S. Miller) Fernald; *Apocynum cannabinum* Linnaeus var. *pubescens* (Mitchell) Woodson; *Apocynum sibiricum* Jacquin]. *JKE #2494.*

3. *Asclepias* Linnaeus

1. *Asclepias amplexicaulis* J.E. Smith - CLASPING MILKWEED. Upland woodlands and roadsides; infrequent. Found in southern portion of county typically in sandy soils. *JKE #2403.*
2. *Asclepias perennis* Walter – SWAMPFOREST SHORE MILKWEED. Moist, bottomland woods; common. *JKE #1283, JKE #3589.*
3. *Asclepias tuberosa* Linnaeus – COMMON BUTTERFLY WEED. Prairies, pastures, and roadside ditches near woodland margins; common. *JKE #2453.*
4. *Asclepias variegata* Linnaeus – WHITE MILKWEED. Upland woodlands and roadsides; infrequent. Found in southern portion of county typically in sandy soils. *JKE #3509.*
5. *Asclepias verticillata* Linnaeus – EASTERN WHORLED MILKWEED. Prairies,

savannahs and cedar woodland margins; rare. *JKE #944, JKE #1015.*

6. *Asclepias viridiflora* Rafinesque – GREEN MILKWEED. Prairies, savannahs and cedar woodland margins; rare. *JKE #2420.*

7. *Asclepias viridis* Walter – GREEN ANTELOPE HORN. Prairies, savannahs and cedar woodland margins; infrequent. *JKE #773.*

4. *Cynanchum* Linnaeus

1. *Cynanchum laeve* (Michaux) Persoon – SANDVINE. Growing in landscaping and other disturbed areas; rare. [*Ampelamus albidus* (Nuttall) Britton; *Gonolobus laevis* Michaux]. *JKE #3910.*

5. *Gonolobus* Michaux

1. *Gonolobus suberosus* (Linnaeus) R. Brown - EASTERN ANGLEPOD. Fence row and woodland borders; infrequent. [*Gonolobus gonocarpus* (Walter) Perry; *Gonolobus suberosus* (Linnaeus) R. Brown var. *granulatus* (Scheele) Krings & Q.Y. Xiang; *Matelea gonocarpos* (Walter) Shinnery; *Matelea suberosa* (Linnaeus) Shinnery; *Vincetoxicum gonocarpos* Walter; *Vincetoxicum suberosum* (Linnaeus) Britton]. *JKE # 1468, JKE #3911, JKE #4291.*

6. *Thrysanthella* (Baillon) Pichon

1. *Thrysanthella difformis* (Walter) Pichon – CLIMBING DOGBANE. Edge of bottomland woods; rare. [*Trachelospermum difforme* (Walter) A. Gray]. *JKE # 4275, JKE #4309.*

7. *Vinca* Linnaeus

1. *Vinca major* Linnaeus – GREATER PERIWINKLE †. Lawns, woodlands and disturbed areas; common. *JKE #3212.*

AQUIFOLIACEAE Bartling 1830

Holly Family

1. *Ilex* Linnaeus

1. *Ilex cornuta* Lindley - CHINESE HOLLY ‡. Woodlands and disturbed areas; infrequent. *JKE #3022*.
2. *Ilex decidua* Walter – POSSUM HAW. Floodplain woods, upland woods and fence rows; common. *JKE #1013, JKE #4347*.
3. *Ilex longipes* Chapman ex Trelease – GEORGIA HOLLY. Deciduous woods; rare. [*Ilex decidua* Walter var. *longipes* (Chapman ex Trelease) H.E. Ahles]. *R.C. Clark 13757* (NCU).
4. *Ilex opaca* Aiton – AMERICAN HOLLY. Variety of habitats from upland woods to bottomland forests; common. *JKE #1180*.
5. *Ilex vomitoria* Aiton – YAUPON. Variety of habitats from upland, sandhill habitats, prairies, and bottomland forests. *JKE #930, JKE #4348*.

ARALIACEAE A.L. de Jussieu 1789

Ginseng Family

1. *Aralia* Linnaeus

1. *Aralia spinosa* Linnaeus – DEVIL'S WALKING STICK. Disturbed roadsides and woodland borders; infrequent. *JKE #3694*.

2. *Hedera* Linnaeus

1. *Hedera helix* Linnaeus – COMMON IVY ‡. Woodland edges and disturbed areas; common. *JKE #4741*.

3. *Hydrocotyle* Linnaeus

1. *Hydrocotyle bonariensis* Lamarck – SEASIDE PENNYWORT. Wet ditch near roadside; infrequent. *JKE #4457*.
2. *Hydrocotyle verticillata* Thunberg – WHORLED MARSH PENNYWORT. Swamps, marshes, edges of small pools; common. *JKE #1875, JKE #3074*.

4. *Panax* Linnaeus

1. *Panax quinquefolius* Linnaeus – GINSENG. Lower slopes of mesic ravines; rare. *JKE #3972*.

ARISTOLOCHIACEAE A. L. de Jussieu 1789

Birthwort Family

1. *Asarum* Linnaeus

1. *Asarum canadense* Linnaeus – COMMON WILD GINGER. Mesic ravines; rare. [*Asarum acuminatum* (Ashe) Bicknell; *Asarum canadense* Linnaeus var. *acuminatum* Ashe; *Asarum rubrocinctum* Peattie]. *JKE #4168*.

2. *Endodeca* Rafinesque

1. *Endodeca serpentaria* (Linnaeus) Rafinesque – VIRGINIA SNAKEROOT. Rich, mesic woods along stream; rare. [*Aristolochia hastata* Nuttall; *Aristolochia nashii* Kearney; *Aristolochia sagittata* Muhlenberg; *Aristolochia serpentaria* Linnaeus]. *JKE #4156*.

3. *Hexastylis* Rafinesque

1. *Hexastylis arifolia* (Michaux) Small – LITTLE BROWN JUG. Dry to mesic woods and ravines; common. [*Asarum arifolium* Michaux]. *JKE #1739*.

ASTERACEAE Dumortier 1822
Aster Family

1. *Acmella* L.C. Richard ex C.H. Persoon

1. *Acmella repens* (Walter) L.C. Richard – CREEPING SPOTFLOWER. Roadside ditch in moist depression; infrequent. [*Acmella oppositifolia* (Lamarck) R.K. Jansen var. *repens* (Walter) R.K. Jansen; *Spilanthes americana* (Mutis ex Linnaeus f.) Hieronymus var. *repens* (Walter) A.H. Moore]. *JKE #1280*.

2. *Ageratina* Spach

1. *Ageratina altissima* King & H.E. Robinson var. *altissima* – COMMON WHITE SNAKEROOT. Rich, mesic slopes and woodlands; rare. [*Eupatorium ageratoides* (Linnaeus) Linnaeus f.; *Eupatorium rugosum* Houttuyn; *Eupatorium urticifolium* Reichard]. *JKE #3192*.
2. *Ageratina aromatica* (Linnaeus) Spach – SMALL LEAVED WHITE SNAKEROOT. Slope in floodplain woods near seepage spring; infrequent. [*Eupatorium aromaticum* Linnaeus; *Eupatorium latidens* Small]. *JKE #1270*.

3. *Ambrosia* Linnaeus

1. *Ambrosia artemisiifolia* Linnaeus – ANNUAL RAGWEED. Roadside ditches, slopes and other disturbed areas; common. [*Ambrosia artemisiifolia* Linnaeus var. *elatior* (Linnaeus) Descourtils; *Ambrosia artemisiifolia* Linnaeus var. *paniculata* (Michaux) Blankinship; *Ambrosia elatior* Linnaeus; *Ambrosia glandulosa* Scheele; *Ambrosia monophylla* (Walter) Rydberg]. *JKE #992*.
2. *Ambrosia psilostachya* A.P. de Candolle – PERENNIAL RAGWEED. Prairies; rare. [*Ambrosia rugelii* Rydberg]. *R. Kral 59392 (VDB)*.
3. *Ambrosia trifida* Linnaeus – GIANT RAGWEED. Roadside ditches, slopes and other

disturbed areas; common. *JKE #1153*.

4. *Anthemis* Linnaeus

1. *Anthemis cotula* Linnaeus – STINKING CHAMOMILE. Roadsides and other disturbed areas; infrequent. [*Maruta cotula* (Linnaeus) A.P. de Candolle]. *JKE #4142*.

5. *Arnoglossum* Rafinesque

1. *Arnoglossum ovatum* (Walter) H.E. Robinson var. *ovatum* – BROADLEAF INDIAN PLANTAIN. Bottomland forest; rare. [*Cacalia lanceolata* Nuttall; *Cacalia lanceolata* Nuttall var. *elliottii* (Harper) Kral & R.K. Godfrey; *Cacalia ovata* Walter; *Mesadenia elliottii* Harper; *Mesadenia lanceolata* (Nuttall) Rafinesque; *Mesadenia maxima* Harper; *Mesadenia ovata* (Walter) Rafinesque]. *JKE #3172*, *JKE #4423*.
2. *Arnoglossum plantagineum* Rafinesque – PRAIRIE INDIAN PLANTAIN. Prairies; common. [*Cacalia plantaginea* (Rafinesque) Shinnery; *Mesadenia tuberosa* (Nuttall) Britton]. *JKE #2077*, *JKE #2458*.
3. *Arnoglossum reniforme* (Hooker) H.E. Robinson – GREAT INDIAN PLANTAIN. Mesic forests; rare. [*Arnoglossum muehlenbergii* (Schultz-Bipontinus) H. Robinson; *Cacalia muehlenbergii* (Schultz-Bipontinus) Fernald; *Mesadenia reniformis* Rafinesque]. *D.H. Burk 108* (UNA).

6. *Baccharis* Linnaeus

1. *Baccharis halimifolia* Linnaeus – SEA MYRTLE. Disturbed areas, old fields, ditches, roadsides, and sites of silvicultural disturbance; common. *JKE #1472*.

7. *Bidens* Linnaeus

1. *Bidens bipinnata* Linnaeus – SPANISH NEEDLES. Disturbed areas, roadsides and

ditches; common. *JKE #1143*.

2. *Bidens discoidea* (Torrey & Gray) Britton – FEW BRACTED BEGGARTICKS.

Floodplains and marshes; infrequent. *JKE #1249*.

3. *Bidens frondosa* Linnaeus – DEVILS BEGGAR TICKS. Wet ditches, roadsides and swamps; rare. *R. Kral 29872 (VDB)*.

8. *Boltonia* L'Héritier

1. *Boltonia asteroides* (Linnaeus) L'Heritier – WHITE DOLL'S DAISY. Roadsides, wet ditches, and other disturbed areas; infrequent. *JKE #924*.

2. *Boltonia diffusa* Elliott var. *diffusa* – SMALL HEAD DOLL'S DAISY. Roadsides, wet ditches and other disturbed areas; common. [*Boltonia diffusa* Elliott var. *interior* Fernald & Griscom]. *JKE #1279*.

9. *Brickellia* Elliott

1. *Brickellia eupatorioides* (Linnaeus) Shinnery – EASTERN FALSE BONESET.

Woodlands, thickets, and other disturbed areas; common. [*Kuhnia eupatorioides* Linnaeus; *Kuhnia glutinosa* Elliott; *Kuhnia kuhnia* (Gaertner) C. Mohr; *Kuhnia mosieri* Small]. *JKE #1365*.

10. *Brintonia* Greene

1. *Brintonia discoidea* (Elliott) Greene – RAYLESS MOCK GOLDENROD. Shady loam hardwood slopes; rare. [*Solidago discoidea* Elliott]. *R. Kral 59406 (VDB)*.

11. *Carduus* Linnaeus

1. *Carduus nutans* Linnaeus – NODDING THISTLE. Roadsides, ditches, fields and other disturbed areas; common. [*Carduus nutans* Linnaeus ssp. *macrolepis* (Petermann) Kazmi]. *JKE #4248*.

12. *Centaurea* Linnaeus

1. *Centaurea cyanus* Linnaeus – CORNFLOWER. Roadsides; rare. *J.W. Harris s.n.* (UWAL).

13. *Chrysopsis* (Nuttall) Elliott

1. *Chrysopsis mariana* (Linnaeus) Elliott – MARYLAND GOLDEN ASTER. Dry habitats such as forest, woodlands or roadsides; common. [*Heterotheca mariana* (Linnaeus) Shinnars]. *JKE #1207, JKE #3169.*

14. *Cirsium* P. Miller

1. *Cirsium discolor* (Muhlenberg ex Willdenow) Sprengel – FIELD THISTLE. Pastures and thickets; infrequent. [*Carduus discolor* (Muhlenberg ex Willdenow) Nuttall]. *JKE #1011.*
2. *Cirsium horridulum* Michaux var. *horridulum* – HORRID THISTLE. Roadsides, fields, and other disturbed areas; common. [*Carduus spinosissimus* Walter var. *elliottii* (Torrey & Gray) Porter; *Carduus spinosissimus* Walter var. *spinosissimus*]. *JKE #1792.*

15. *Conoclinium* Augustin de Candolle

1. *Conoclinium coelestinum* (Linnaeus) de Candolle – BLUE MISTFLOWER. Moist or wet ditches and other wet disturbed areas; common. [*Eupatorium coelestinum* Linnaeus]. *JKE #1009.*

16. *Conyza* Lessing

1. *Conyza bonariensis* (Linnaeus) Cronquist – SOUTH AMERICAN HORSEWEED ‡. Disturbed areas and open fields; common. [*Erigeron bonariensis* Linnaeus; *Leptilon bonariense* (Linnaeus) Small; *Leptilon linifolium* (Willdenow) Small].

JKE #1134, JKE #2987.

2. *Conyza canadensis* (Linnaeus) Cronquist var. *canadensis* – COMMON HORSEWEED.

Fields, clear cuts, and other disturbed areas; common. [*Erigeron canadensis*

Linnaeus; *Leptilon canadense* (Linnaeus) Britton]. *JKE #2988, JKE #3110, JKE #4372.*

17. *Coreopsis* Linnaeus

1. *Coreopsis grandiflora* Hogg ex Sweet var. *grandiflora* – LARGE FLOWERED

COREOPSIS. Lower swales on prairies in thin soils; rare. *JKE #3434.*

2. *Coreopsis grandiflora* Hogg ex Sweet var. *harveyana* (A. Gray) Sherff – LARGE

FLOWERED COREOPSIS. Upland woods; rare. *JKE #4410.*

3. *Coreopsis lanceolata* Linnaeus – LONGSTALK COREOPSIS. Dry sandy slope on

roadside; rare. [*Coreopsis crassifolia* Aiton]. *JKE #3506.*

4. *Coreopsis major* Walter – WOODLAND COREOPSIS. Dry woodlands and woodland

borders; common. [*Coreopsis major* Walter var. *oemleri* (Elliott) Britton ex Small & Vail]. *JKE #2528, JKE #3505.*

5. *Coreopsis pubescens* Elliott var. *pubescens* – COMMON HAIRY COREOPSIS.

Roadsides and ditches; rare. [*Coreopsis pubescens* Elliott var. *robusta* Gray ex Eames]. *JKE #4307.*

6. *Coreopsis tinctoria* Nuttall var. *tinctoria* – PLAINS COREOPSIS. Roadsides and other

disturbed areas; common. [*Coreopsis cardaminefolia* (A.P. de Candolle) Torrey & Gray]. *JKE #2503, JKE #3587, JKE #3838, JKE #4286.*

7. *Coreopsis tripteris* Linnaeus – TALL COREOPSIS. Moist to dry sandy roadsides,

ditches, and woodland edges; common. *JKE #3182, JKE #3732.*

18. *Crepis* Linnaeus

1. *Crepis pulchra* Linnaeus – SMALLFLOWER HAWKSBEARD ‡. Disturbed areas; common. *JKE #4171*.

19. *Doellingeria* Nees

1. *Doellingeria umbellata* (P. Miller) Nees – TALL FLAT TOPPED WHITE ASTER. Wet ditches and bogs; rare. [*Aster umbellatus* Miller]. *JKE #3760*.

20. *Dracopis* Cassini

1. *Dracopis amplexicaulis* (Vahl) Cassini – CLASPING CONEFLOWER. Prairies; rare. [*Rudbeckia amplexicaulis* Vahl]. *JKE #2452*, *JKE #3531*.

21. *Echinacea* Moench

1. *Echinacea pallida* (Nuttall) Nuttall – PALE PURPLE CONEFLOWER ♀ S2/G4. Prairies; rare. [*Brauneria pallida* (Nuttall) Britton]. *JKE #2949*.

22. *Eclipta* Linnaeus

1. *Eclipta prostrata* (Linnaeus) Linnaeus – YERBA DE TAJO ‡. Moist to wet disturbed areas, bottomland woods, and ditches; common. [*Eclipta alba* (Linnaeus) Hasskarl; *Verbesina alba* Linnaeus]. *JKE #935*.

23. *Elephantopus* Linnaeus

1. *Elephantopus carolinianus* Raeuschel – CAROLINA ELEPHANT'S FOOT. Riparian zones and mesic forests; common. *JKE #1137*.
2. *Elephantopus tomentosus* LINNAEUS – DEVIL'S GRANDMOTHER. Typically middle to upper slopes in mesic ravines, woodlands, and woodland borders; common. *JKE #965*.

24. *Erechtites* Rafinesque

1. *Erechtites hieraciifolius* (Linnaeus) Rafinesque ex de Candolle – FIREWEED.

Disturbed areas and clearcuts; common. *JKE #994, JKE #3109A.*

25. *Erigeron* Linnaeus

1. *Erigeron annuus* (Linnaeus) Persoon – ANNUAL FLEABANE. Roadsides, ditches, and

other disturbed areas; common. *JKE #1950.*

2. *Erigeron philadelphicus* Linnaeus var. *philadelphicus* – PHILADELPHIA DAISY.

Roadsides, ditches, and other disturbed areas; common. *JKE #1684, JKE #1944, JKE #2073.*

3. *Erigeron strigosus* Muhlenberg ex Willdenow var. *strigosus* – COMMON ROUGH

FLEABANE. Roadsides, ditches, and other disturbed areas; common. [*Erigeron ramosus* (Walter) Britton, Sterns & Poggenberg; *Erigeron strigosus* Muhlenberg var. *beyrichii* (Fischer & C.A. Meyer) Torrey & Gray ex Gray]. *JKE #2021, JKE #2078, JKE #3436B.*

26. *Eupatorium* Linnaeus

1. *Eupatorium album* Linnaeus – WHITE BRACTED THOROUGHWORT. Woodlands;

rare. [*Eupatorium album* Linnaeus var. *glandulosum* (Michaux) A.P. de Candolle]. *R. Kral 51416 (VDB).*

2. *Eupatorium altissimum* Linnaeus – TALL THOROUGHWORT. Fields, roadsides,

prairies, woodlands and associated borders; common. *JKE #1365, JKE #1380.*

3. *Eupatorium capillifolium* (Lamarck) Small – COMMON DOG FENNEL. Fields,

roadsides, and other disturbed areas; common. *JKE #1264.*

4. *Eupatorium perfoliatum* Linnaeus – COMMON BONESET. Moist or wet ditches,

seeps, and low woods; infrequent. *JKE #4473.*

5. *Eupatorium rotundifolium* Linnaeus – COMMON ROUNDEAF EUPATORIUM.

Woodlands, woodland borders, and disturbed areas; common. *JKE #3005, JKE #3018, J.J. Street 175 (AUA).*

6. *Eupatorium serotinum* Michaux – LATE EUPATORIUM. Fields, forests and other disturbed areas; rare. *R. Kral 33093 (VDB).*

27. *Eurybia* (Cassini) Cassini in F. Cuvier

1. *Eurybia hemispherica* Alexander – SOUTHERN PRAIRIE ASTER. Prairies and associated calcareous woodlands; infrequent. [*Aster gattingeri* Alexander, non Kuntze; *Aster hemisphericus* Alexander; *Aster pedionomus* Alexander]. *JKE #977.*

28. *Euthamia* (Nuttall) Cassini

1. *Euthamia caroliniana* (Linnaeus) Greene *ex* Porter & Britton – COASTAL PLAIN GOLDENTOP. Low forest edges, roadside ditches, and disturbed areas; common. [*Euthamia minor* (Michaux) Greene; *Euthamia tenuifolia* (Pursh) Nuttall – *pro parte*; *Solidago microcephala* (Greene) Bush; *Solidago tenuifolia* Pursh – *pro parte*]. *JKE #1265.*
2. *Euthamia graminifolia* (Linnaeus) Nuttall – COMMON GOLDENTOP. Moist ditches and roadsides; common. [*Solidago graminifolia* (Linnaeus) Salisbury]. *JKE #1278.*
3. *Euthamia leptcephala* (Torrey & A. Gray) Greene – BUSHY GOLDENTOP. Roadsides, pastures, and fields; infrequent. [*Solidago leptcephala* Torrey & Gray]. *JKE #2609.*

29. *Eutrochium* Rafinesque

1. *Eutrochium fistulosum* (Barratt) E.E. Lamont – HOLLOW STEM JOE PYE WEED.
Moist ditches, forests, and marshes; common. [*Eupatoriadelphus fistulosus*
(Barratt) King & H.E. Robinson; *Eupatorium fistulosum* Barratt]. JKE #3098.

30. *Gaillardia* Fougeroux

1. *Gaillardia aestivalis* (Walter) H. Rock var. *aestivalis* – SANDHILLS BLANKET
FLOWER. Sandy soils and disturbed areas; common. [*Gaillardia chrysantha*
Small; *Gaillardia lanceolata* Michaux] JKE #945, JKE #1362.

31. *Gamochaeta* Weddell

1. *Gamochaeta antillana* (Urban) Anderberg – CARIBBEAN EVERLASTING. Lawns and
other disturbed areas; common. [*Gnaphalium antillanum* Urban]. JKE #1648.
2. *Gamochaeta pensylvanica* (Willdenow) Cabrera – PENNSYLVANIA EVERLASTING ‡.
Lawns and other disturbed areas; common. [*Gnaphalium pensylvanicum*
Willdenow; *Gnaphalium peregrinum* Fernald; *Gnaphalium purpureum* Linnaeus
var. *spathulatum* (Lamarck) Baker; *Gnaphalium spathulatum* Lamarck]. JKE
#1647, R. Kral 82419 (VDB).
3. *Gamochaeta purpurea* (Linnaeus) Cabrera – SPOONLEAF PURPLE EVERLASTING.
Lawns, fields, roadsides, fields, pastures, and other disturbed areas; common.
[*Gnaphalium purpureum* Linnaeus]. JKE #1981, JKE# 4134.

32. *Helenium* Linnaeus

1. *Helenium amarum* (Rafinesque) H. Rock – FIVELEAF SNEEZEWEED. Roadsides,
ditches, fields and other disturbed areas; common. [*Helenium tenuifolium*
Nuttall]. JKE #1263.
2. *Helenium autumnale* Linnaeus var. *autumnale* – COMMON SNEEZEWEED. Moist

areas in fields, pastures, and woodland edges; common. [*Helenium autumnale* Linnaeus var. *pubescens* (Aiton) Britton; *Helenium latifolium* P. Miller; *Helenium parviflorum* Nuttall]. *JKE #1204*.

3. *Helenium flexuosum* Rafinesque – SOUTHERN SNEEZEWEED. Moist areas in fields, pastures, and woodlands; common. [*Helenium nudiflorum* Nuttall; *Helenium polyphyllum* Small]. *JKE #2513, JKE #2550, JKE #3496, JKE #3592*.

33. *Helianthus* Linnaeus

1. *Helianthus angustifolius* Linnaeus – SWAMP SUNFLOWER. Moist roadsides, ditches, and other moist areas; common. [*Helianthus angustifolius* Linnaeus var. *nemorosus* C. Mohr; *Helianthus angustifolius* Linnaeus var. *planifolius* Fernald]. *JKE #1205*.
2. *Helianthus annuus* Linnaeus – COMMON SUNFLOWER ‡. Escapes from cultivation, roadsides and ditches; rare. *JKE #3681*.
3. *Helianthus hirsutus* Rafinesque – HAIRY SUNFLOWER. Woodlands, prairies, and other open habitats; common. [*Helianthus hirsutus* Rafinesque var. *stenophyllus* Torrey & Gray; *Helianthus hirsutus* Rafinesque var. *trachyphyllus* Torrey & Gray; *Helianthus stenophyllus* (Torrey & Gray) E.E. Watson]. *JKE #3650, JKE #3667*.
4. *Helianthus mollis* Lamarck – ASHY SUNFLOWER. Disturbed areas; rare. *JKE #4476*
5. *Helianthus resinosus* Small – RESIN DOT SUNFLOWER. Roadsides, ditches, and woodlands; infrequent. [*Helianthus tomentosus* auct. non Michaux]. *JKE #878, JKE #980, JKE #2958, JKE #3674*.
6. *Helianthus simulans* E.E. Watson – MUCK SUNFLOWER. Wet ditches and low

woodland edges; rare. *JKE #1406*.

7. *Helianthus strumosus* Linnaeus – ROUGHLEAF SUNFLOWER. Woodlands and roadside; rare. [*Helianthus montanus* E.E. Watson; *Helianthus saxicolus* Small]. *JKE #3675*.

8. *Helianthus tuberosus* Linnaeus – JERUSALEM ARTICHOKE. Rich bottomlands, streams, and disturbed areas; rare. *R. Kral 44457 (VDB)*.

34. *Heliopsis* Persoon

1. *Heliopsis helianthoides* (Linnaeus) Sweet var. *gracilis* (Nuttall) Gandhi & Thomas – SMOOTH OXEYE. Rich prairie woods along stream; rare. [*Heliopsis gracilis* Nuttall; *Heliopsis minor* (Hooker) C. Mohr]. *B.R. Keener 5951 (UWAL)*.

35. *Heterotheca* Cassini

1. *Heterotheca latifolia* Buckley var. *latifolia* – COMMON CAMPHORWEED †. Roadsides, ditches, disturbed areas and margins of marshes; infrequent. [*Heterotheca subaxillaris* (Lamarck) Britton & Rusby var. *latifolia* (Buckley) Gandhi & Thomas; *Heterotheca subaxillaris* (Lamarck) Britton & Rusby ssp. *latifolia* (Buckley) Semple]. *JKE #3008*.
2. *Heterotheca subaxillaris* (Lamarck) Britton & Rusby – DUNE CAMPHORWEED. Roadsides, edge of marshes, and other disturbed areas; common. *JKE #3027*, *JKE #3717*.

36. *Hieracium* Linnaeus

1. *Hieracium gronovii* Linnaeus – HAIRY HAWKWEED. Roadsides, woodland margins, and dry, sandy woods; common. *JKE #979*.

37. *Hypochaeris* Linnaeus

1. *Hypochaeris glabra* Linnaeus – SMOOTH CAT'S EAR ‡. Roadsides, ditches and other disturbed areas; common. *JKE #1789, JKE #1887, JKE #1962.*
2. *Hypochaeris radicata* Linnaeus – SPOTTED CATS EAR. Roadsides; rare.
[*Hypochaeris radicata* Linnaeus]. *JKE #4288.*

38. *Iva* Linnaeus

1. *Iva annua* Linnaeus – ANNUAL SUMPWEED. Roadsides, ditches, and other disturbed areas; common. [*Iva annua* Linnaeus var. *caudata* (Small) R.C. Jackson; *Iva caudata* Small; *Iva ciliata* Willdenow]. *JKE #1255, JKE #3161.*

39. *Krigia* Schreber

1. *Krigia cespitosa* (Rafinesque) K.L. Chambers – OPPOSITE LEAF DWARF DANDELION. Roadsides, ditches, fields, and other disturbed areas; common.
[*Krigia cespitosa* (Rafinesque) K.L. Chambers var. *cespitosa*; *Krigia oppositifolia* Rafinesque]. *JKE #1709.*
2. *Krigia dandelion* (Linnaeus) Nuttall – COLONIAL DWARF DANDELION. Roadsides, disturbed areas, and woodland edges; common. [*Adopogon dandelion* (Linnaeus) Kuntze; *Cynthia dandelion* (Linnaeus) A.P. de Candolle]. *JKE #1718, JKE #1758.*

40. *Lactuca* Linnaeus

1. *Lactuca canadensis* Linnaeus – AMERICAN WILD LETTUCE. Fields, roadsides, ditches, and other disturbed areas; common. [*Lactuca canadensis* Linnaeus var. *latifolia* Kuntze; *Lactuca canadensis* Linnaeus var. *longifolia* (Michaux) Farwell; *Lactuca canadensis* Linnaeus var. *obovata* Wiegand; *Lactuca sagittifolia* Elliott].
JKE #2465, JKE #3666, JKE #3701.

2. *Lactuca floridana* (Linnaeus) Gaertner – WOODLAND LETTUCE. Roadsides, ditches, and disturbed areas; common. [*Lactuca floridana* (Linnaeus) Gaertner var. *villosa* (Jacquin) Cronquist; *Lactuca villosa* Jacquin; *Mulgedium floridanum* (Linnaeus) A.P. de Candolle; *Mulgedium villosum* (Jacquin) Small]. JKE #3728, JKE #3729.
3. *Lactuca serriola* Linnaeus – PRICKLY LETTUCE ‡. Fields, roadsides, ditches, and other disturbed areas; common. [*Lactuca scariola* Linnaeus]. JKE #3093, JKE #3639.

41. *Leucanthemum* P. Miller

1. *Leucanthemum vulgare* Lamarck – OXEYE DAISY ‡. Roadsides, ditches, and other disturbed areas; infrequent. [*Chrysanthemum leucanthemum* Linnaeus; *Leucanthemum leucanthemum* (Linnaeus) Rydberg]. JKE #1833.

42. *Liatris* Gaertner ex Schreber

1. *Liatris gracilis* Pursh – SLENDER GAYFEATHER. Sandhills and pine woodland edges; common. [*Lacinaria gracilis* (Pursh) Kuntze; *Lacinaria laxa* Small]. JKE #1262.
2. *Liatris spicata* (Linnaeus) Willdenow var. *spicata* – DENSE BLAZING STAR. Prairie and calcareous woodland edges; infrequent. [*Lacinaria spicata* (Linnaeus) Kuntze; *Liatris spicata* (Linnaeus) Willdenow var. *resinosa* (Nuttall) Gaiser]. JKE #929.
3. *Liatris squarrosa* (Linnaeus) Michaux var. *squarrosa* – SCALY BLAZING STAR. Prairies; infrequent. [*Lacinaria squarrosa* (Linnaeus) Hill; *Liatris squarrosa* Michaux var. *alabamensis* (Alexander) Gaiser]. R. Kral 33108 (VDB), JKE #4360.

4. *Liatris squarrulosa* Michaux – APPALACHIAN BLAZING STAR. Prairies; common.
JKE #1147, JKE #3154.

43. *Melanthera* Rohr

1. *Melanthera nivea* (Linnaeus) Small – SNOW SQUARESTEM. Prairie; rare.
 [*Melanthera hastata* Michaux]. *H.D. Moore 702-69 (AUA).*

44. *Mikania* Willdenow

1. *Mikania scandens* (Linnaeus) Willdenow – CLIMBING HEMPVINE. Wet thickets, marshes, wet roadsides, and low wet woods; common. [*Mikania scandens* (Linnaeus) Willdenow var. *pubescens* (Nuttall) Torrey & Gray; *Willoughbya scandens* (Linnaeus) Kuntze]. *JKE #958.*

45. *Nabalus* Cassini

1. *Nabalus altissimus* (Linnaeus) Hooker – TALL RATTLESNAKE ROOT. Rich, mesic ravines; infrequent. [*Prenanthes altissima* Linnaeus]. *JKE #3175.*

46. *Packera* Á. & D. Löve

1. *Packera glabella* (Poiret) C. Jeffrey – SMOOTH RAGWORT. Bottomland woods, wet ditches, and clear cut bottomlands; common. [*Senecio glabellus* Poiret; *Senecio lobatus* Persoon]. *JKE #1685, JKE #3122.*
2. *Packera obovata* (Muhlenberg ex Willdenow) W.A. Weber & Á. Löve – ROUNDLEAF RAGWORT. Rich, mesic woods and ravines; common. [*Senecio obovatus* Muhlenberg ex Willdenow var. *elliottii* (Torrey & Gray) Fernald; *Senecio obovatus* Muhlenberg ex Willdenow var. *obovatus*; *Senecio obovatus* Muhlenberg ex Willdenow var. *rotundus* Britton; *Senecio rotundus* (Britton) Small]. *JKE #2662.*

3. *Packera paupercula* (Michaux) Á. & D. Löve var. *paupercula* – BALSAM RAGWORT. Prairies; common. [*Senecio pauperculus* Michaux var. *balsamitae* (Muhlenberg ex Willdenow) Fernald; *Senecio pauperculus* Michaux var. *pauperculus*; *Senecio pauperculus* Michaux var. *praelongus* (Greenman) House]. JKE #1810.

47. *Parthenium* Linnaeus

1. *Parthenium hysterophorus* Linnaeus – SANTA MARIA ‡. Various habitats in northern third of county on prairies, roadsides, ditches, and other disturbed areas; common. JKE #1366, JKE #2969, JKE #4065.

48. *Pityopsis* Nuttall

1. *Pityopsis aspera* (Shuttleworth ex Small) Small var. *adenolepis* (Fernald) Semple & Bowers – CAROLINA SILKGRASS. Upland woods, roadsides in lower third of county; common. [*Chrysopsis adenolepis* Fernald; *Chrysopsis graminifolia* (Michaux) Elliott var. *aspera* (Shuttleworth ex Small) A. Gray; *Heterotheca adenolepis* (Fernald) Ahles; *Pityopsis adenolepis* (Fernald) Semple]. JKE #1215, JKE #3184.
2. *Pityopsis graminifolia* (Michaux) Nuttall var. *graminifolia* – NARROWLEAF SILKGRASS. Upland woods, roadsides in lower third of county; common. [*Chrysopsis graminifolia* (Michaux) Elliott; *Chrysopsis graminifolia* (Michaux) Elliott var. *microcephala* (Small) Cronquist; *Chrysopsis nervosa* (Willdenow) Fernald; *Heterotheca graminifolia* (Michaux) Shinnery; *Heterotheca nervosa* (Willdenow) Shinnery; *Heterotheca nervosa* (Willdenow) Shinnery var. *microcephala* (Small) Shinnery ex H.E. Ahles]. JKE #978.

49. *Pluchea* Cassini

1. *Pluchea foetida* (Linnaeus) de Candolle var. *foetida* – STINKING CAMPHORWEED.

Marshes, swamp edges, and wet depressions; common. [*Pluchea tenuifolia* Small]. *JKE* #923.

2. *Pluchea odorata* (Linnaeus) Cassini – SOUTHERN SALTMARSH FLEABANE. Marshes,

swamp edges, and wet depressions; common. [*Pluchea purpurascens* (Swartz) A.P. de Candolle]. *JKE* #932.

50. *Pseudognaphalium* Kirpicznikov

1. *Pseudognaphalium obtusifolium* (Linnaeus) Hilliard & Burt – FRAGRANT RABBIT

TOBACCO. Sandy, woodland openings, roadsides, and disturbed areas; common. [*Gnaphalium obtusifolium* Linnaeus; *Pseudognaphalium obtusifolium* (Linnaeus) Hilliard & Burt ssp. *praecox* (Fernald) Kartesz]. *JKE* #1206.

51. *Pyrrhopappus* A.P. de Candolle

1. *Pyrrhopappus carolinianus* (Walter) A.P. de Candolle – FALSE DANDELION.

Roadsides, ditches, fields and disturbed areas near woodlands; common. [*Pyrrhopappus carolinianus* (Walter) A.P. de Candolle var. *carolinianus*; *P. carolinianus* (Walter) A.P. de Candolle var. *georgianus* (Shinners) H.E. Ahles; *Sitilias caroliniana* (Walter) Rafinesque]. *JKE* #1728, *JKE* #1757, *JKE* # 2455.

52. *Ratibida* Rafinesque

1. *Ratibida columnifera* (Nuttall) Wooton & Standley – COLUMNAR PRAIRIE

CONEFLOWER ‡. Roadsides and fields on prairie; common. [*Ratibida columnaris* (Sims) D. Don]. *JKE* #4284.

2. *Ratibida pinnata* (Ventenat) Barnhart – GLOBULAR PRAIRIE CONEFLOWER. Prairies

and calcareous woodland edges; common. *JKE* #4349.

53. *Rudbeckia* Linnaeus

1. *Rudbeckia fulgida* Aiton var. *fulgida* – COMMON EASTERN CONEFLOWER. Dry or wet meadows; rare. [*Rudbeckia acuminata* C.L. Boynton & Beadle; *Rudbeckia foliosa* C.L. Boynton & Beadle; *Rudbeckia tenax* C.L. Boynton & Beadle; *Rudbeckia truncata* Small]. *R. Kral* 29620 (VDB).
2. *Rudbeckia hirta* Linnaeus var. *hirta* – WOODLAND BLACK EYED SUSAN. Sandy soil along roadsides and woodlands; common. [*Rudbeckia amplexans* T.V. Moore; *Rudbeckia brittonii* Small; *Rudbeckia hirta* Linnaeus var. *brittonii* (Small) Fernald; *Rudbeckia monticola* Small]. *JKE* #2973.
3. *Rudbeckia hirta* Linnaeus var. *pulcherrima* Farwell – WEEDY BLACK EYED SUSAN. Roadsides and fields; common. [*Rudbeckia bicolor* Nuttall; *Rudbeckia longipes* T.V. Moore; *Rudbeckia sericea* T.V. Moore; *Rudbeckia serotina* Nuttall var. *corymbifera* (Fernald) Fernald & Schubert; *Rudbeckia serotina* Nuttall var. *sericea* (T.V. Moore) Fernald & Schubert *Rudbeckia serotina* Nuttall var. *serotina*]; *JKE* #2488, *JKE* #3092, *JKE* #3438, *JKE* #3750, *JKE* #4283.
4. *Rudbeckia terranigrae* J.J.N. Campbell & Seymour – PRAIRIE BLACK EYED SUSAN. Chalk outcrops on Blackland Prairie; rare. Specimens are paratypes. *R. Kral* 29620 (NCU), *R. Kral* 33107(NCU).
5. *Rudbeckia triloba* Linnaeus var. *triloba* – COMMON THREE LOBED CONEFLOWER. Edges of prairie woods, prairie woods, and disturbed areas with calcareous soils; common. *JKE* #3516, *JKE* #3538, *JKE* #4352.

54. *Senecio* Linnaeus

1. *Senecio vulgaris* Linnaeus – CRESS LEAF GROUNDSEL ‡. Roadsides, edges of parking

lots, sidewalks and other disturbed areas; common. *JKE #3214*.

55. *Silphium* Linnaeus

1. *Silphium asteriscus* Linnaeus – STARRY ROSINWEED. Roadsides and ditches typically in sandy soils; common. [*Silphium asperrimum* Hooker; *Silphium asteriscus* Linnaeus var. *scabrum* Nuttall; *Silphium dentatum* Elliott var. *gatesii* (C. Mohr) H.E. Ahles; *Silphium gatesii* C. Mohr; *Silphium scaberrimum* Elliott]. *JKE #876*.
2. *Silphium confertifolium* Small – BLACKBELT ROSINWEED. Open prairies; common. *JKE #1024, JKE #3630, JKE #3651*.
3. *Silphium dentatum* Elliott – TOOTHED ROSINWEED. Sandy roadsides and ditches; infrequent. [*Silphium angustum* (Gray) Small; *Silphium asteriscus* Linnaeus var. *angustatum* Gray; *Silphium asteriscus* Linnaeus var. *dentata* (Elliott) Chapman; *Silphium asteriscus* Linnaeus var. *laevicaule* A.P. de Candolle; *Silphium dentatum* Elliott var. *angustatum* (Gray) Perry; *Silphium elliottii* Small; *Silphium nodum* Small]. *H.D. Moore 311-69 (AUA), JKE #3673*.
4. *Silphium integrifolium* Michaux – PRAIRIE ROSINWEED. Prairie and associated margins of prairie woods; rare. [*Silphium integrifolium* Michaux var. *deamii* Perry]. *JKE #4375*.
5. *Silphium laciniatum* Linnaeus – COMPASS PLANT. Prairies; common. [*Silphium laciniatum* var. *robinsonii* L.M. Perry]. *JKE #877, JKE #3649*.
6. *Silphium perfoliatum* Linnaeus – CUP PLANT. Moist ditches and roadsides in calcareous soils; infrequent. *JKE #872, JKE #3655*.

56. *Solidago* Linnaeus

1. *Solidago altissima* Linnaeus var. *altissima* – TALL GOLDENROD. Fields, pastures, and roadsides; rare. *R. Kral 29641* (VDB).
2. *Solidago caesia* Linnaeus – AXILLARY GOLDENROD. Rich, mesic ravines; rare. [*Solidago caesia* Linnaeus var. *zedia* R.E. Cook & Semple]. *JKE #3180*.
3. *Solidago gigantea* Aiton – LATE GOLDENROD. Fields, roadsides, and meadows; rare. [*Solidago gigantea* Aiton var. *serotina* (Kuntze) Cronquist; *Solidago serotina* Aiton var. *gigantea* (Aiton) Gray; *Solidago serotina* Aiton, non Retzius]. *J. Taylor 33637* (AUA).
4. *Solidago nemoralis* Aiton var. *nemoralis* – OLD FIELD GOLDENROD. Prairies and calcareous woodland borders; common. [*Solidago nemoralis* Aiton var. *haleana* Fernald]. *JKE #1148*.
5. *Solidago odora* Aiton - LICORICE GOLDENROD. Dry woodland, forest and roadsides; common. [*Solidago odora* Aiton var. *inodora* Gray]. *JKE #990, JKE #3104, JKE #3688*.
6. *Solidago petiolaris* Aiton – DOWNY RAGGED GOLDENROD. Edge of prairie soils and woodlands; common. [*Solidago milleriana* Mackenzie]. *JKE #1367, JKE #1436, JKE #3160*.
7. *Solidago rigida* Linnaeus var. *glabrata* E.L. Braun – SOUTHEASTERN BOLD GOLDENROD. Prairies and other areas with calcareous soils; rare. [*Oligoneuron jacksonii* (Kuntze) Small; *Solidago corymbosa* Elliott; *Oligoneuron rigidum* (Linnaeus) Small var. *glabratum* (E.L. Braun) Nesom]. *R. Kral 29636* (VDB), *B.R. Keener 5671* (UWAL).

1. *Soliva sessilis* Ruiz & Pavón – FIELD BURWEED. Lawns, fields and other disturbed areas; common. [*Soliva pterosperma* (Jussieu) Lessing]. *JKE #4089*.

58. *Sonchus* Linnaeus

1. *Sonchus asper* (Linnaeus) Hill – SPINYLEAF SOW THISTLE ‡. Roadsides fields, and disturbed areas; common. *JKE #1706, JKE #1755*.
2. *Sonchus oleraceus* Linnaeus – COMMON SOW THISTLE. Roadsides, ditches, and disturbed areas; common. *JKE #4135*.

59. *Symphyotrichum* Nees

1. *Symphyotrichum adnatum* (Nuttall) G.L. Nesom – SCALE LEAF ASTER. Sandhills and pine woodlands; rare. [*Aster adnatus* Nuttall]. *JKE #3751*.
2. *Symphyotrichum dumosum* (Linnaeus) G.L. Nesom var. *dumosum* – LONG STALKED ASTER. Roadsides, ditches and woodland edges; common. [*Aster coridifolius* Michaux; *Aster dumosus* Linnaeus var. *coridifolius* (Michaux) Torrey & Gray; *Aster dumosus* Linnaeus var. *dumosus*; *Aster dumosus* Linnaeus var. *gracilipes* Wiegand; *Aster dumosus* Linnaeus var. *subulifolius* Torrey & Gray; *Aster gracilipes* (Wiegand) Alexander; *Symphyotrichum dumosum* (Linnaeus) Nesom var. *gracilipes* (Wiegand) Nesom; *Symphyotrichum dumosum* (Linnaeus) Nesom var. *pergracile* (Wiegand) Nesom; *Symphyotrichum dumosum* (Linnaeus) Nesom var. *strictior* (Torrey & A. Gray) Nesom; *Symphyotrichum dumosum* (Linnaeus) Nesom var. *subulifolium* (Torrey & Gray) Nesom]. *JKE #1281, JKE #1379*.
3. *Symphyotrichum ericoides* (Linnaeus) G.L. Nesom – WHITE HEATH ASTER
 ⓄS1/G5. Prairies; rare. [*Aster ericoides* Linnaeus; *Aster multiflorus* Aiton].
JKE #1435.

4. *Symphyotrichum laeve* (Linnaeus) Löve & Löve var. *laeve* – SMOOTH BLUE ASTER.
Mesic hardwood forests; rare. [*Aster falcidens* Burgess; *Aster laevis* Linnaeus var. *laevis*]. *R. Kral 29631* (VDB).
5. *Symphyotrichum lanceolatum* (Willdenow) G.L. Nesom var. *latifolium* (Semple & Chmielewski) G.L. Nesom – WHITE PANICLED ASTER. Bottomland woods; rare.
[*Aster lanceolatus* Willdenow var. *latifolius* Semple & Chmielewski; *Aster lanceolatus* Willdenow var. *simplex* (Willdenow) A. G. Jones; *Aster simplex* Willdenow; *Symphyotrichum lanceolatum* (Willdenow) Nesom ssp. *lanceolatum* var. *latifolium* (Semple & Chmielewski) Nesom]. *JKE #3517*.
6. *Symphyotrichum lateriflorum* (Linnaeus) Löve & Löve – STARVED ASTER. Various habitats, dry to wet; rare. [*Aster hirsuticaulis* Lindley ex A.P. de Candolle; *Aster lateriflorus* (Linnaeus) Britton var. *horizontalis* (Desfontaines) Farwell; *Aster lateriflorus* (Linnaeus) Britton var. *lateriflorus*; *Aster lateriflorus* (Linnaeus) Britton var. *pendulus* (Aiton) Burgess; *Symphyotrichum lateriflorum* (Linnaeus) A. & D. Löve var. *horizontale* (Desfontaines) Nesom]. *R.M. Harper 119* (UNA).
7. *Symphyotrichum novae-angliae* Linnaeus – NEW ENGLAND ASTER. Prairies; rare.
[*Aster novae-angliae* Linnaeus]. *JKE #1385*.
8. *Symphyotrichum patens* (Aiton) G.L. Nesom var. *patens* – LATE PURPLE ASTER.
Dry woodlands, roadsides, and forest edges; common. [*Aster patens* var. *gracilis* Hooker]. *JKE #989*, *JKE #3503*.
9. *Symphyotrichum pilosum* (Willdenow) G.L. Nesom var. *pilosum* – WHITE OLD FIELD ASTER. Roadsides, ditches, and disturbed areas; common. [*Aster ericoides* Linnaeus var. *pilosus* (Willdenow) Porter; *Aster ericoides* Linnaeus var.

platyphyllus Torrey & Gray; *Aster juniperinus* Burgess; *Aster pilosus* Willdenow var. *pilosus*; *Aster ramosissimus* auct. non P. Miller]. *JKE* #3664, *JKE* #3836.

10. ***Symphyotrichum undulatum*** (Linnaeus) G.L. Nesom – WAVY LEAF ASTER.

Woodlands and roadsides; rare. [*Aster asperifolius* Burgess; *Aster claviger* Burgess; *Aster corrigiatus* Burgess; *Aster gracilescens* Burgess *Aster linguiformis* Burgess; *Aster loriformis* (Burgess) Burgess; *Aster mohrii* Burgess; *Aster proteus* Burgess; *Aster sylvestris* Burgess; *Aster triangularis* (Burgess) Burgess; *Aster truellius* Burgess; *Aster undulatus* Linnaeus var. *diversifolius* (Michaux) Gray; *Aster undulatus* Linnaeus var. *loriformis* Burgess; *Aster undulatus* Linnaeus var. *undulatus*]. *R. Kral* 59407 (VDB).

11. ***Symphyotrichum urophyllum*** (Lindley in A.P. de Candolle) G.L. Nesom – WHITE

ARROWLEAF ASTER. Prairie woodland edges; rare. [*Aster cordifolius* Linnaeus var. *sagittifolius* (Wedemeyer ex Willdenow) A.G. Jones; *Aster sagittifolius* auct. non Wedemeyer ex Willdenow; *Aster urophyllum* Lindley ex A.P. de Candolle; *Symphyotrichum sagittifolium* (Wedemeyer ex Willdenow) Nesom]. *JKE* #3165, *JKE* #3178.

12. ***Symphyotrichum urophyllum* x *cordifolium*** – Woodland edges on prairie; rare. *R.*

Kral 59399 (VDB).

60. ***Taraxacum*** G.H. Weber ex Wiggers

1. ***Taraxacum officinale*** G.H. Weber ex Wiggers – COMMON DANDELION ‡. Lawns,

roadsides, ditches, and other disturbed areas; common. [*Leontodon taraxacum* Linnaeus; *Taraxacum taraxacum* (Linnaeus) Karsten]. *JKE* #1756.

61. ***Thelesperma*** Lessing

1. *Thelesperma filifolium* (Hooker) A. Gray – STIFF GREENTHREAD ☉S1/G4G5.

Prairies; rare. *JKE #3636*.

62. *Verbesina* Linnaeus

1. *Verbesina alternifolia* (Linnaeus) Britton ex Kearney – COMMON WINGSTEM.

Riparian zones and wet ditches; rare. [*Ridan alternifolia* (Linnaeus) Britton].

JKE #3712, JKE #3913.

2. *Verbesina virginica* Linnaeus – WHITE CROWNBEARD. Calcareous forest and woodland edges; common. [*Phaethusa virginica* (Linnaeus) Britton]. *JKE #1008*.

63. *Vernonia* Schreber

1. *Vernonia angustifolia* Michaux – NARROWLEAF IRONWEED. Sandhills and pine woodland edges; common. [*Vernonia angustifolia* Michaux ssp. *mohrii* (S. B. Jones) S. B. Jones & Faust; *Vernonia angustifolia* Michaux ssp. *scaberrima* (Nuttall) S.B. Jones & Faust]. *JKE #3105*.

2. *Vernonia flaccidifolia* Small – TENNESSEE IRONWEED. Along roadside ditch on prairie; rare. *JKE #1001*.

3. *Vernonia gigantea* (Walter) Trelease ex Branner & Coville – GIANT IRONWEED. Fields, ditches, roadsides, and riparian zones; common. [*Vernonia gigantea* (Walter) Trelease ssp. *gigantea*; *Vernonia altissima* Nuttall; *Vernonia altissima* Nuttall; *Vernonia maxima* Small]. *JKE #993*.

64. *Xanthium* Linnaeus

1. *Xanthium strumarium* Linnaeus – ROUGH COCKLEBURR ‡. Fields, alluvial floodplains, ditches, roadsides, and other disturbed areas; common. [*Xanthium*

strumarium var. *glabratum* (A.P. de Candolle) Cronquist; *Xanthium strumarium* var. *canadense* (P. Miller) Torrey & A. Gray]. *JKE #1395*.

65. *Youngia* Cassini

1. *Youngia japonica* (Linnaeus) A.P. de Candolle – ORIENTAL FALSE HAWK'S BEARD
‡. Lawns, shaded areas around buildings, and other shaded, disturbed areas;
common. [*Crepis japonica* (Linnaeus) Bentham; *Youngia japonica* (Linnaeus)
A.P. de Candolle ssp. *elstonii* (Hochreutiner) Stebbins]. *JKE #1643*.

BALSAMINACEAE A. Richard 1822

Touch Me Not Family

1. *Impatiens* Linnaeus

1. *Impatiens capensis* Meerburgh – ORANGE JEWELWEED. Bottomland forests in moist
ditches, marshes, or swamps; rare. [*Impatiens biflora* Walter]. *JKE #3569*.

BERBERIDACEAE A.L. de Jussieu 1789

Barberry Family

1. *Nandina* Thunberg

1. *Nandina domestica* Thunberg – SACRED BAMBOO ‡. Alluvial bottomland woods
and urban woodlands; common. *JKE #2664*.

2. *Podophyllum* Linnaeus

1. *Podophyllum peltatum* Linnaeus – MAY APPLE. Rich woods, bottomlands, and
mesic ravines; common. *JKE #1732*.

BETULACEAE S.F. Gray 1821

Birch Family

1. *Alnus* Ehrhart

1. *Alnus serrulata* (Aiton) Willdenow – BROOKSIDE ALDER. Riparian zones and bottomland woods; common. [*Alnus rugosa* auct. non (Du Roi) Sprengel; *Alnus serrulata* (Aiton) Willdenow var. *subelliptica* Fernald]. *JKE* #955, *JKE* #1795.

2. *Betula* Linnaeus

1. *Betula nigra* Linnaeus – RIVER BIRCH. Riparian zones; common. *JKE* #960, *JKE* #2683.

3. *Carpinus* Linnaeus

1. *Carpinus caroliniana* Walter – MUSCLEWOOD. Riparian zones, bottomland woods, and moist ditches; common. [*Carpinus caroliniana* Walter ssp. *virginiana* (Marshall) Furlow]. *JKE* #1938.

4. *Ostrya* Scopoli

1. *Ostrya virginiana* (P. Miller) K. Koch – AMERICAN HOP HORNBEAM. Riparian zones and bottomland woods; common. *JKE* #3188.

BIGNONIACEAE A.L. de Jussieu 1789

Bignonia Family

1. *Bignonia* Linnaeus

1. *Bignonia capreolata* Linnaeus – CROSS VINE. Bottomland forests, woodlands, and forest edges; common. [*Anisostichus capreolata* (Linnaeus) Bureau; *Anisostichus crucigera* (Linnaeus) Bureau]. *JKE* #1808.

2. *Campsis* Loureiro

1. *Campsis radicans* (Linnaeus) Seemann ex Bureau – TRUMPET CREEPER. Bottomlands, forest edges, fencerows, streambanks and disturbed areas;

common. [*Bignonia radicans* Linnaeus]. *JKE* #2436.

3. *Catalpa* Scopoli

1. *Catalpa bignonioides* Walter – SOUTHERN CATALPA. Bottomlands, forest edges, and streambanks; common. [*Catalpa catalpa* (Linnaeus) Karsten]. *JKE* #3700.

BORAGINACEAE A.L. de Jussieu 1789

Borage Family

1. *Buglossoides* Moench

1. *Buglossoides arvensis* (Linnaeus) I.M. Johnston – CORN GROMWELL ‡. Fields, roadsides, and other disturbed areas; common. [*Lithospermum arvense* Linnaeus]. *JKE* #1753, *JKE* #1788.

2. *Cynoglossum* Linnaeus

1. *Cynoglossum virginianum* Linnaeus var. *virginianum* – WILD COMFREY. Mesic forests and woodlands; infrequent. *JKE* #1743.

3. *Heliotropium* Linnaeus

1. *Heliotropium indicum* Linnaeus – TURNSOLE ‡. Roadsides, slopes near rivers and lakes, and other disturbed areas; common. [*Tiaridium indicum* (Linnaeus) Lehmann]. *JKE* #2928, *JKE* #3080.
2. *Heliotropium tenellum* (Nuttall) Torrey – DELICATE HELIOTROPE. Prairies; rare. [*Lithococca tenella* (Nuttall) Small]. *R. Kral* 39830 (VDB), *JKE* #4395.

4. *Lithospermum* Linnaeus

1. *Lithospermum tuberosum* Rugel ex A.P. de Candolle – SOUTHERN STONESEED. Rich, mesic forests; infrequent. *JKE* #1972.

5. *Myosotis* Linnaeus

1. *Myosotis macrosperma* Engelman – BIGSEED FORGET ME NOT. Bottomland woods and alluvial habitats; infrequent. [*Myosotis verna* Nuttall var. *macrosperma* (Engelman) Chapman]. *JKE #1786, JKE #4174*.

6. *Nama* Linnaeus

1. *Nama jamaicense* Linnaeus – JAMAICA WEED ‡. Cracks in sidewalk; rare. [*Marilaunidium jamaicense* (Linnaeus) Kuntze]. *JKE #4081*.

BRASSICACEAE Burnett 1835
Mustard Family

1. *Arabidopsis* Heynhold

1. *Arabidopsis thaliana* (Linnaeus) Heynhold – MOUSE EAR CRESS ‡. Fields, roadsides, and other disturbed areas; infrequent. [*Stenophragma thaliana* (Linnaeus) Celakovsky]. *JKE #4170*.

2. *Arabis* Linnaeus

1. *Arabis patens* Sullivant – SPREADING ROCKCRESS Ⓢ1/G3. Calcareous woods; rare. Only one population found within county with approx. 15-20 individuals present. [*Boechera patens* (Sullivant) Al-Shehbaz]. *JKE #2071, JKE #2441*.

3. *Boechera* Löve & Löve

1. *Boechera laevigata* (Muhlenberg ex Willdenow) Al-Shehbaz – COMMON SMOOTH ROCKCRESS. Calcareous woods on mesic slopes; infrequent. [*Arabis laevigata* (Muhlenberg ex Willdenow) Poiret]. *JKE #2660*.

4. *Brassica* Linnaeus

1. *Brassica rapa* Linnaeus var. *rapa* – TURNIP ‡. Roadside ditches and fallow fields; common. [*Brassica campestris* Linnaeus]. *JKE #4748*.

5. *Capsella* Medicus

1. *Capsella bursa-pastoris* (Linnaeus) Medicus – SHEPHERD’S PURSE ‡. Roadsides, ditches, and other disturbed areas; common. [*Bursa bursa-pastoris* (Linnaeus) Britton; *Capsella gracilis* Grenier; *Capsella rubella* Reuter]. JKE #1565.

6. *Cardamine* Linnaeus

1. *Cardamine angustata* O.E. Schulz – EASTERN SLENDER TOOTHWORT. Rich, mesic forests; rare. [*Dentaria heterophylla* Nuttall]. JKE #2259.
2. *Cardamine bulbosa* (Schreber ex Muhlenberg) Britton, Sterns, & Poggenburg – BULBOUS BITTERCRESS. Low woods; infrequent. [*Cardamine rhomboidea* (Persoon) A.P. de Candolle]. JKE #1832, JKE #3215.
3. *Cardamine dissecta* (Leavenworth) Al-Shehbaz – DISSECTED TOOTHWORT. Rich, mesic ravines; rare. [*Cardamine angustata* O.E. Schulz var. *multifida* (Muhlenberg ex Elliott) Ahles; *Dentaria furcata* Small; *Dentaria laciniata* Muhlenberg ex Willdenow var. *multifida* (Muhlenberg ex Elliott) J.F. James; *Dentaria multifida* Muhlenberg ex Elliott]. JKE #2652, JKE #4087.
4. *Cardamine douglassii* Britton – LIMESTONE BITTERCRESS. Rich, mesic forests; rare. R. Kral 30025 (VDB).
5. *Cardamine flexuosa* Withering – WOODLAND BITTERCRESS ‡. Moist landscaping and flower beds; rare. [*Cardamine hirsuta* Linnaeus ssp. *flexuosa* (Withering) Forbes & Hemsley; *Cardamine debilis* D. Don; *Cardamine flexuosa* Withering subsp. *debilis* O. E. Schulz]. JKE #2952.
6. *Cardamine hirsuta* Linnaeus – HAIRY BITTERCRESS ‡. Roadsides, ditches, and other disturbed areas; common. JKE #1584.

7. *Cardamine pensylvanica* Muhlenberg ex Willdenow – QUAKER BITTERCRESS. Wet ditches, roadsides, depressions, and other various wet habitats; common.
- [*Cardamine flexuosa* Withering ssp. *pensylvanica* (Muhlenberg ex Willdenow) O. E. Schulz; *Cardamine hirsuta* Linnaeus var. *pensylvanica* (Muhlenberg ex Willdenow) P. W. Graff]. *JKE #1878*.

7. *Diplotaxis* A.P. de Candolle

1. *Diplotaxis muralis* (Linnaeus) A.P. de Candolle – ANNUAL WALL ROCKET ‡. Roadsides, ditches, and other disturbed areas commonly in prairie regions of county; common. *JKE #933*.

8. *Draba* Linnaeus

1. *Draba brachycarpa* Nuttall ex Torrey & Gray – SHORT POD WHITLOW GRASS. Lawns, gravelly roadsides and other disturbed areas; common. *JKE #1630*.
2. *Draba cuneifolia* Nuttall ex Torrey & A. Gray – WEDGE LEAF WHITLOW GRASS ☉S1/G5. Exposed chalk on prairies; rare. *JKE #2659*.
3. *Draba verna* Linnaeus – SPRING WHITLOW GRASS ‡. Lawns, gravelly roadsides and other disturbed areas; common. *JKE #2278*.

9. *Lepidium* Linnaeus

1. *Lepidium didymum* Linnaeus – LESSER SWINE CRESS ‡. Lawns, ditches, fields, and other disturbed areas; common. [*Carara didyma* (Linnaeus) Britton; *Coronopus didymus* (Linnaeus) Smith]. *JKE #1897*.
2. *Lepidium virginicum* Linnaeus – POOR MAN'S PEPPER. Ditches, roadsides, lawns, and other disturbed areas; common. *JKE #4066*, *JKE #4069*.

10. *Lunaria* Linnaeus

1. *Lunaria annua* Linnaeus – SILVER DOLLAR PLANT ‡. Disturbed areas; rare. *J.W. Harris s.n.* (UWAL).

11. *Nasturtium* R. Brown

1. *Nasturtium officinale* R. Brown – WATERCRESS ‡. Streams, ditches, and seepages; infrequent. [*Nasturtium officinale* R. Brown var. *microphyllum* (Boenninghausen ex Reichenbach) Thellung; *Rorippa microphylla* (Boenninghausen ex Reichenbach) Hylander ex A. & D. Löve]. *JKE #4176*.

12. *Planodes* E.L. Greene

1. *Planodes virginicum* (Linnaeus) E.L. Greene – VIRGINIA CRESS. Disturbed areas; common. [*Arabis virginica* (Linnaeus) Poiret; *Cardamine virginica* Linnaeus; *Sibara virginica* (Linnaeus) Rollins]. *JKE #2277*.

13. *Raphanus* Linnaeus

1. *Raphanus raphanistrum* Linnaeus ssp. *raphanistrum* - WILD RADISH. Fields, roadsides, and other disturbed areas; infrequent. *JKE #1629, JKE #1796, JKE #2669, JKE #4067*.

14. *Rorippa* Scopoli

1. *Rorippa sessiliflora* (Nuttall ex Torrey & A. Gray) A.S. Hitchcock - STALKLESS MARSHCRESS. Wet ditches, riparian zones, marshes, and swamps; infrequent. [*Radicula sessiliflora* (Nuttall) Greene]. *JKE #3426*.

15. *Sisymbrium* Linnaeus

1. *Sisymbrium officinale* (Linnaeus) Scopoli – HEDGE MUSTARD. Fields, pastures, roadsides, and other disturbed areas; infrequent. [*Erysimum officinale* Linnaeus; *Sisymbrium officinale* (Linnaeus) Scopoli var. *leiocarpum* A.P. de Candolle]. *JKE* #4173.

BUXACEAE Dumortier 1822
Boxwood Family

1. *Pachysandra* Michaux

1. *Pachysandra procumbens* Michaux – MOUNTAIN SPURGE. ☼ **S2S3/G4G5**. North facing, mesic slope; rare. *JKE* #1745.

CABOMBACEAE A. Richard 1828
Water-shield Family

1. *Brasenia* Schreber

1. *Brasenia schreberi* J.F. Gmelin – WATER SHIELD. Large pond in standing water; rare. [*Brasenia purpurea* (Michaux) Caspary]. *J.H. Wiersema* #1962 (UNA).

CACTACEAE A.L. de Jussieu 1789
Cactus Family

1. *Opuntia* Miller

1. *Opuntia engelmannii* Salm-Dyck ex Engelmann var. *lindheimeri* (Engelmann) Parfitt & Pinkava – TEXAS PRICKLY PEAR ‡. [*Opuntia lindheimeri* Engelmann]. Sandy, roadside slope; rare. *JKE* #4068.
2. *Opuntia humifusa* Rafinesque var. *humifusa* – DEVILS TONGUE. Sandy soils in

clearings; infrequent. [*Opuntia compressa* auct. non J.F. Macbride; *Opuntia cumulicola* Small; *Opuntia macrarthra* Gibbes]. *JKE* #1248, *JKE* #3855, *JKE* #4313A.

CALYCANTHACEAE Lindley 1819
Sweet Shrub Family

1. *Calycanthus* Linnaeus

1. *Calycanthus floridus* Linnaeus – SWEET SHRUB. Mesic slopes and ravines; infrequent. [*Butneria fertilis* (Walter) Kearney; *Butneria florida* (Linnaeus) Kearney; *Calycanthus fertilis* Walter; *Calycanthus floridus* Linnaeus var. *glaucus* (Willdenow) Torrey & Gray; *Calycanthus mohrii* Small; *Calycanthus nanus* Loiseleur]. *JKE* #1748.

CAMPANULACEAE A.L. de Jussieu 1789
Bellflower Family

1. *Campanula* Linnaeus

1. *Campanula americana* Linnaeus – TALL BELLFLOWER. Low, rich woods; common. [*Campanulastrum americanum* (Linnaeus) Small]. *JKE* #3656.

2. *Lobelia* Linnaeus

1. *Lobelia amoena* Michaux – SOUTHERN LOBELIA. Moist ditches and other disturbed areas; common. *JKE* #3973.
2. *Lobelia cardinalis* Linnaeus – CARDINAL FLOWER. Moist ditches, stream banks, marshes and riverbanks; common. *JKE* # 1187.
3. *Lobelia georgiana* McVaugh – GEORGIA LOBELIA. Swamps, floodplain forests, and

wet places; rare. [*Lobelia amoena* Michaux var. *glandulifera* Gray; *Lobelia glandulifera* (Gray) Small]. *D.H. Burk 34* (UNA).

4. ***Lobelia puberula*** Michaux var. ***puberula*** – COASTAL PLAIN DOWNY LOBELIA.
Roadsides, forest, and woodland edges; common. *JKE #1412*.
5. ***Lobelia spicata*** Lamarck var. ***leptostachys*** (Alphonse de Candolle) Mackenzie & Bush – PALE SPIKE LOBELIA. Prairies; common. [*Lobelia bracteata* Small; *Lobelia leptostachys* Alphonse de Candolle]. *JKE #946*.

3. ***Triodanis*** Rafinesque

1. ***Triodanis biflora*** (Ruiz & Pavón) Greene – SMALL VENUS LOOKING GLASS.
Roadsides, prairies, and other disturbed areas; common. [*Legousia biflora* (Ruiz & Pavón) Britton; *Specularia biflora* (Ruiz & Pavón) Fischer & C.A. Meyer; *Triodanis perfoliata* (Linnaeus) Nieuwland var. *biflora* (Ruiz & Pavón) Bradley]. *JKE #1587*.
2. ***Triodanis perfoliata*** (Linnaeus) Nieuwland – CLASPING LEAF VENUS LOOKING GLASS. Roadsides, prairies, and other disturbed areas; common. [*Legousia perfoliata* (Linnaeus) Britton; *Specularia perfoliata* (Linnaeus) Alphonse de Candolle]. *JKE #776*.

4. ***Wahlenbergia*** Schrader ex Roth

1. ***Wahlenbergia marginata*** (Thunberg) Alphonse de Candolle – SOUTHERN ROCKBELL
‡. Grassy clearings in sandy soils; infrequent. *JKE #2542*.

CANNABACEAE Endlicher 1827

Hops Family

1. ***Celtis*** Linnaeus

1. *Celtis laevigata* Willdenow – SOUTHERN HACKBERRY. Bottomland forests, calcareous forests, and woodlands; common. [*Celtis laevigata* Willdenow var. *smallii* (Beadle) Sargent; *Celtis mississippiensis* Bosc; *Celtis smallii* Beadle]. *JKE #1761, JKE #3545.*
2. *Celtis tenuifolia* Nuttall – DWARF HACKBERRY. Dry to mesic woods, typically over calcareous soils; common. [*Celtis georgiana* Small; *Celtis occidentalis* Linnaeus var. *georgiana* (Small) Ahles]. *JKE #3171.*

CAPRIFOLIACEAE A.L. de Jussieu 1789
Honeysuckle Family

1. *Lonicera* Linnaeus

1. *Lonicera fragrantissima* Lindley & Paxton – SWEET BREATH OF SPRING ‡. Calcareous cliffs and woods near Tombigbee River; infrequent. [*Xylosteon fragrantissimum* (Lindley & Paxton) Small]. *JKE #4084.*
2. *Lonicera japonica* Thunberg – JAPANESE HONEYSUCKLE ‡. Various habitats, especially in disturbed areas; common. [*Nintooa japonica* (Thunberg) Sweet]. *JKE #3096.*
3. *Lonicera sempervirens* Linnaeus – CORAL HONEYSUCKLE. Upland dry forests and woodlands; common. [*Lonicera sempervirens* Linnaeus var. *hirsutula* Rehder; *Phenianthus sempervirens* (Linnaeus) Rafinesque]. *JKE #1809.*

2. *Symphoricarpos* Duhamel

1. *Symphoricarpos orbiculatus* Moench – CORALBERRY. Edge of calcareous woods; infrequent. [*Symphoricarpos symphoricarpos* (Linnaeus) MacMillan]. *JKE #4452.*

CARYOPHYLLACEAE A.L. de Jussieu 1789

Pink Family

1. *Arenaria* Linnaeus

1. *Arenaria serpyllifolia* Linnaeus – LARGE THYME LEAVED SANDWORT ‡. Disturbed areas and lawns; common. [*Arenaria leptoclados* (Reichenbach) Gussone; *Arenaria serpyllifolia* Linnaeus var. *tenuior* Mertens & Koch]. *JKE # 1585, JKE #1725.*

2. *Cerastium* Linnaeus

1. *Cerastium glomeratum* Thuillier – STICKY MOUSE EAR ‡. Disturbed areas and lawns; common. [*Cerastium viscosum* auct. non Linnaeus]. *JKE #1566.*

3. *Sagina* Linnaeus

1. *Sagina decumbens* (Elliott) Torrey & A. Gray – EASTERN PEARLWORT. Lawns, fields, and disturbed areas. [*Sagina decumbens* (Elliott) Torrey & Gray var. *smithii* (Gray) S. Watson] *JKE #2279.*

4. *Saponaria* Linnaeus

1. *Saponaria officinalis* Linnaeus – SOAPWORT ‡. Roadside escape; rare. *JKE #2504.*

5. *Silene* Linnaeus

1. *Silene antirrhina* Linnaeus – SLEEPY CATCHFLY. Cracks in concrete pad; rare. *JKE #4138.*
2. *Silene virginica* Linnaeus – FIRE PINK. Upland woods; rare. *JKE #4151.*

6. *Stellaria* Linnaeus

1. *Stellaria media* (Linnaeus) Villars – COMMON CHICKWEED ‡. Lawns, fields, and other disturbed areas; common. [*Alsine media* Linnaeus]. *JKE #1578.*

CELASTRACEAE R. Brown 1814

Bittersweet Family

1. *Euonymus* Linnaeus

1. *Euonymus americanus* Linnaeus – STRAWBERRY BUSH. Bottomland to mesic woods; common. *JKE #3851*.
2. *Euonymus atropurpureus* Jacquin – AMERICAN WAHOO. Mesic slopes in prairie or calcareous woods; infrequent. *JKE # 2075, JKE #3659*.
3. *Euonymus fortunei* (Turczaninow) Handel-Mazzetti – WINTERCREEPER ‡. Disturbed area in vacant lot; rare. [*Euonymus hederaceus* Chapman ex Bentham; *Euonymus fortunei* (Turczaninow) Handel-Mazzetti var. *radicans* (Siebold ex Miquel) Rehder; *Euonymus kiautschovica* Loesener; *Euonymus radicans* Siebold ex Miquel]. *JKE #4700*.

CERATOPHYLLACEAE S.F. Gray 1821

Hornwort Family

1. *Ceratophyllum* Linnaeus

1. *Ceratophyllum demersum* Linnaeus – COONTAIL. Pools and slow moving flow of water draining marsh; common. *JKE #1387*.
2. *Ceratophyllum echinatum* A. Gray in Torrey & A. Gray – SPINELESS HORNWORT. Pools and slow moving flow of water draining marsh; rare. [*Ceratophyllum muricatum* Chamisso]. *J.H. Wiersema 1959 (UNA)*.

CISTACEAE A.L. de Jussieu 1789

Rockrose Family

1. *Lechea* Linnaeus

1. *Lechea mucronata* Rafinesque – HAIRY PINWEED. Dry roadside slope; common.

[*Lechea villosa* Elliott]. *JKE* #3111, *JKE* #3720, *JKE* #4367.

CLEOMACEAE Horaninow 1834
Cleome Family

1. *Tarenaya* Rafinesque

1. *Tarenaya hassleriana* (Chodat) H.H. Iltis – SPIDERFLOWER ‡. Gardens, roadsides, and other disturbed areas; rare. [*Cleome hassleriana* Chodat; *Cleome spinosa* auct. non Jacquin; *Cleome houtteana* auct. non Schlechtendhal; *Neocleome spinosa* (Jacquin) Small]. *H.D. Moore* 331-69 (AUA).

CONVOLVULACEAE A.L. de Jussieu 1789
Morning Glory Family

1. *Calystegia* R. Brown

1. *Calystegia catesbeiana* Pursh *ssp. catesbeiana* – CATESBYS BINDWEED. Roadside slopes, mixed woods and woodland openings; infrequent. [*Convolvulus spithamaeus* (Linnaeus) R. Brown var. *catesbeianus* (Pursh) Tryon; *Convolvulus spithamaea* (Linnaeus) R. Brown var. *pubescens* (Gray) Fernald]. *JKE* #1959.

2. *Cuscuta* Linnaeus

1. *Cuscuta campestris* Yuncker – FIELD DODDER. Roadsides and fields; common. *JKE* # 2496.
2. *Cuscuta compacta* A.L. de Jussieu ex Choisy – COMPACT DODDER. Wet habitats growing upon herbaceous and woody vegetation; infrequent. *JKE* #1196.

3. *Cuscuta pentagona* Engelm. – FIVE ANGLED DODDER. Various habitats and hosts; infrequent. [*Cuscuta arvensis* Beyrich ex Engelm.]. *JKE #1017, JKE #2457, JKE #2483.*

3. *Dichondra* J.R. Forster & G. Forster

1. *Dichondra carolinensis* Michaux – CAROLINA PONYFOOT. Lawns, roadsides, fields, and other disturbed areas; common. [*Dichondra evolvulacea* (Linnaeus f.) Britton; *Dichondra repens* J.R. Forster var. *carolinensis* (Michaux) Choisy]. *JKE #1644.*

4. *Ipomoea* Linnaeus

1. *Ipomoea cordatotriloba* Dennstedt var. *cordatotriloba* – COASTAL MORNING GLORY. Thin soil over chalk prairie; rare. [*Ipomoea carolina* (Linnaeus) Pursh, non Linnaeus; *Ipomoea trichocarpa* Elliott]. *JKE #3163.*
2. *Ipomoea lacunosa* Linnaeus – WHITE MORNING GLORY. Roadsides and other disturbed areas; common. *JKE #1130*
3. *Ipomoea pandurata* (Linnaeus) G.F.W. Meyer – WILD SWEET POTATO. Roadsides and other disturbed areas; common. *JKE #1198, JKE #2448, JKE #3501, JKE #3515*
4. *Ipomoea quamoclit* Linnaeus – CYPRESS VINE ‡. Roadsides and other disturbed areas; common. [*Quamoclit quamoclit* (Linnaeus) Britton]. *JKE #3173.*
5. *Ipomoea wrightii* A. Gray – WRIGHTS MORNING GLORY ‡. Riparian zone and edge of backwaters; infrequent. [*Ipomoea heptaphylla* (Roxburg) Voigt]. *JKE #2932.*

5. *Jacquemontia* Choisy

1. *Jacquemontia tamnifolia* (Linnaeus) Grisebach – HAIRY CLUSTERVINE ‡.

Roadsides and other disturbed areas; common. [*Thyella tamnifolia* (Linnaeus) Rafinesque]. *JKE #1133*.

6. *Stylisma* Rafinesque

1. *Stylisma humistrata* (Walter) Chapman – SOUTHERN DAWNFLOWER. Dry, sandy roadside slope; infrequent [*Bonamia humistrata* (Walter) Gray; *Breweria humistrata* (Walter) Gray]. *JKE #3000, JKE #3009, JKE #4365*.

CORNACEAE (Berchtold & J. Presl) Dumortier 1829 Dogwood Family

1. *Cornus* Linnaeus

1. *Cornus amomum* P. Miller – SILKY DOGWOOD. Along streams, wet ditches and other moist soils; rare. [*Swida amomum* (P. Miller) Small]. *D.H. Burk 4 (UNA)*.
2. *Cornus drummondii* C.A. Meyer – MIDWESTERN ROUGHLEAF DOGWOOD. Prairie woods and edges; common. [*Cornus priceae* Small; *Swida priceae* (Small) Small]. *JKE #940*.
3. *Cornus florida* Linnaeus – FLOWERING DOGWOOD. Dry to moist woods and woodland borders; common. [*Benthamidia florida* (Linnaeus) Spach; *Cynoxylon floridum* (Linnaeus) Rafinesque ex B.D. Jackson]. *JKE #1211*.
4. *Cornus stricta* Lamarck – SOUTHERN SWAMP DOGWOOD. Along streams, wet ditches and other moist soils; common. [*Cornus foemina* Miller; *Swida foemina* (P. Miller) Rydberg; *Swida stricta* (Lamarck) Small]. *JKE #3106, JKE #3590*.

CRASSULACEAE A.P. de Candolle 1825 Stonecrop Family

1. *Crassula* Linnaeus1. *Crassula aquatica* (Linnaeus) Schönland – WATER PYGMYWEED ☼ S1/G5.

Mudflats; rare. After the initial discovery in Mobile County by Charles Mohr in 1887, this species was not collected in Alabama again until 2012 on a backwater lake of the Tombigbee River near Foscue Park (England 2013). [*Tillaea aquatica* Linnaeus; *Bulliarda aquatica* (Linnaeus) DC.; *Tillaea simplex* Nuttall; *Tillaea ascendens* Eaton; *Tillaea angustifolia* Nuttall ex Torr. & Gray; *Crassula saginoides* (Maxim.) Bywater & Wickens; *Tillaeastrum aquaticum* (Linnaeus) Britton; *Hydrophila aquatica* (Linnaeus) House]. JKE #3428.

CUCURBITACEAE Durande 1782
Gourd Family

1. *Melothria* Linnaeus

1. *Melothria pendula* Linnaeus – CREEPING CUCUMBER. Growing on various plants, fence rows and other disturbed sites; common. JKE #3912.

CYRILLACEAE Endlicher 1841
Ti-ti Family

1. *Cyrilla* Garden ex Linnaeus

1. *Cyrilla racemiflora* Linnaeus – SWAMP TI TI. Margin of low woods; rare. JKE #4425.

EBENACEAE Gürcke 1891
Ebony Family

1. *Diospyros* Linnaeus

1. *Diospyros virginiana* Linnaeus – AMERICAN PERSIMMON. Dry woods to mesic

forests; common. *JKE #1014*.

ELAEAGNACEAE A.L. de Jussieu 1789
Oleaster Family

1. *Elaeagnus* Linnaeus

1. *Elaeagnus pungens* Thunberg – THORNY OLIVE ‡. Abandoned lots and urban woods; infrequent. *JKE #1371, JKE #3023*.

ERICACEAE A.L. de Jussieu 1789
Heath Family

1. *Gaylussacia* Kunth

1. *Gaylussacia dumosa* (Andrews) Torrey & A. Gray – SOUTHERN DWARF HUCKLEBERRY. Dry uplands or woodlands; rare. [*Lasiococcus dumosus* (Andrews) Small]. *R. Kral 42953* (VDB).
2. *Gaylussacia tomentosa* (A. Gray) Pursh ex Small – HAIRY DANGLEBERRY. Pine woods and dry, sandy roadsides; rare. [*Decachaena tomentosa* (Gray) Small; *Gaylussacia frondosa* (Linnaeus) Torrey & Gray ex Torrey var. *tomentosa* Gray]. *JKE #3753*.

2. *Kalmia* Linnaeus

1. *Kalmia latifolia* Linnaeus – MOUNTAIN LAUREL. Pine woods near stream; rare. *JKE #1895*.

3. *Rhododendron* Linnaeus

1. *Rhododendron canescens* (Michaux) Sweet – PIEDMONT AZALEA. Pine woods in mesic soils; common. [*Azalea candida* Small; *Azalea canescens* Michaux]. *JKE*

#1736.

4. *Vaccinium* Linnaeus

1. *Vaccinium arboreum* Marshall – FARKLEBERRY. Dry pine woods; common.
[*Batodendron arboreum* (Marshall) Nuttall]. JKE #1216, JKE #3004, JKE #3902,
JKE #4411.
2. *Vaccinium darrowii* Camp – DARROW'S BLUEBERRY. Dry, sandy woods and
roadside slopes; rare. [*Cyanococcus myrsinites* (Lamarck) Small var. *glaucum*
Gray; *Vaccinium myrsinites* Lamarck var. *glaucum* Gray] JKE #4154.
3. *Vaccinium elliotii* Chapman – MAYBERRY. Upland forests and woodlands; common.
[*Cyanococcus elliotii* (Chapman) Small]. JKE #4740.
4. *Vaccinium stamineum* Linnaeus var. *stamineum* – COMMON DEERBERRY. Upland
forests and woodlands; rare. [*Polycodium neglectum* Small; *Polycodium*
stamineum (Linnaeus) Greene]. R. Kral 55591 (VDB).

EUPHORBIACEAE A.L. de Jussieu 1789
Spurge Family

1. *Acalypha* Linnaeus

1. *Acalypha gracilens* A. Gray – SHORTSTALK COPPERLEAF. Woodlands and disturbed
areas; common. [*Acalypha gracilens* Gray var. *fraseri* (Müller-Aargau)
Weatherby]. JKE #985.
2. *Acalypha ostryifolia* Riddell ex J.M. Coulter – ROUGH POD COPPERLEAF. Disturbed
areas; common. JKE #1132.

2. *Cnidocolus* Pohl

1. *Cnidocolus stimulosus* (Michaux) Engelmann & A. Gray – SPURGE NETTLE. Sandy

woodlands and disturbed habitats; common. [*Bivonea stimulosa* (Michaux) Rafinesque; *Cnidoscolus urens* (Linnaeus) Arthur var. *stimulosus* (Michaux) Govaerts; *Jatropha stimulosa* Michaux]. *JKE #3011*.

3. *Croton* Linnaeus

1. *Croton capitatus* Michaux – WOOLY CROTON. Disturbed areas and fields; common. *JKE #4459*.
2. *Croton glandulosus* Linnaeus var. *septentrionalis* Müller-Aargau – DOVEWEED. Fields and roadsides; rare. *R. Kral 29595 (VDB)*.
3. *Croton monanthogynus* Michaux – PRAIRIE TEA. Prairie soils; common. *JKE #1016*.
4. *Croton willdenowii* G.L. Webster – GLADE RUSHFOIL; Sandy roadside slopes; rare. [*Crotonopsis elliptica* Willdenow]. *JKE #3897*.

4. *Ditrysinia* Rafinesque

1. *Ditrysinia fruticosa* (W. Bartram) Govaerts & Frodin – SEBASTIAN BUSH. Swamp forests; rare. [*Sebastiania fruticosa* (Bartram) Fernald; *Sebastiania ligustrina* (Michaux) Mueller-Aargau]. *R. Kral 38808 (VDB)*.

5. *Euphorbia* Linnaeus

1. *Euphorbia corollata* Linnaeus – EASTERN FLOWERING SPURGE. Woodlands and open roadsides; common. [*Euphorbia corollata* Linnaeus var. *angustifolia* Elliott; *Euphorbia marilandica* Greene; *Tithymalopsis corollata* (Linnaeus) Klotzsch; *Tithymalopsis olivacea* Small]. *JKE #947, JKE #2416*.
2. *Euphorbia dentata* Michaux – PAINTED LEAF ‡. Disturbed areas in various habitats; common. [*Poinsettia dentata* (Michaux) Klotzsch & Garcke]. *JKE #1146*.

3. *Euphorbia maculata* Linnaeus – MILK PURSLANE. Roadsides and other disturbed areas; common. [*Chamaesyce maculata* (Linnaeus) Small; *Euphorbia supina* Rafinesque]. *JKE* #2927
4. *Euphorbia nutans* Lagasca y Segura – EYEBANE. Disturbed areas in various habitats; common. [*Chamaesyce nutans* (Lagasca) Small; *Euphorbia maculata* auct. non Linnaeus; *Euphorbia preslii* Gussone]. *JKE* #983, *JKE* #3640, *JKE* #3663.
5. *Euphorbia prostrata* Aiton – PROSTRATE SANDMAT ‡. Crevices of sidewalks and pavement and other disturbed areas; common. [*Chamaesyce prostrata* (Aiton) Small; *Euphorbia chamaesyce* auct. non Linnaeus]. *JKE* # 1396.

6. *Stillingia* Garden ex Linnaeus

1. *Stillingia sylvatica* Garden ex Linnaeus *ssp. sylvatica* – QUEEN’S DELIGHT. Sandy-clay soils on roadside on edge of upland woods; rare. [*Stillingia spathulata* (Mueller-Aargau) Small]. *JKE* #2527.

7. *Tragia* Linnaeus

1. *Tragia urticifolia* Michaux – NETTLELEAF NOSEBURN. Dry woodlands and roadsides; common. *JKE* #2487, *JKE* #3108.

8. *Triadica* Loureiro

1. *Triadica sebifera* (Linnaeus) Small – POPCORN TREE ‡. Edges of rivers, lakes, and backwaters; common. [*Sapium sebiferum* (Linnaeus) Roxburgh]. *JKE* #963.

FABACEAE Lindley 1836

Legume Family

1. *Albizia* Durazzini

1. *Albizia julibrissin* Durazzini – MIMOSA ‡. Waste places, roadsides and other disturbed areas; common. *JKE #2435*.

2. *Amorpha* Linnaeus

1. *Amorpha fruticosa* Linnaeus – TALL INDIGO BUSH. Prairie woodland edges, riverbanks, and moist woodlands; common. [*Amorpha croceolanata* P.W. Watson; *Amorpha curtissii* Rydberg; *Amorpha fruticosa* Linnaeus var. *tennessensis* (Shuttleworth) E.J. Palmer; *Amorpha tennesseensis* Shuttleworth ex Kuntze; *Amorpha virgata* Small]. *JKE #1021, JKE #3090*.
2. *Amorpha glabra* Desfontaines ex Poiret – APPALACHIAN INDIGO BUSH. Edge of prairie woods; rare. *JKE #1021*.

3. *Amphicarpaea* Elliott ex Nuttall

1. *Amphicarpaea bracteata* (Linnaeus) Fernald var. *bracteata* – HOG PEANUT. Prairie woods near creek; rare. *B.R. Keener 6156 (UWAL)*.

4. *Apios* Fabricius

1. *Apios americana* Medicus – COMMON GROUNDNUT. Edges of marshes, wet roadsides, low woods and streambanks; common. [*Apios americana* Medicus var. *turrigera* Fernald; *Apiosapios* (Linnaeus) MacMillan; *Glycine apios* Linnaeus]. *JKE #939*.

5. *Baptisia* Ventenat

1. *Baptisia leucantha* Torrey & A. Gray – PRAIRIE FALSE INDIGO. Woodlands, prairies and roadsides; infrequent. [*Baptisia alba* var. *macrophylla* (Larisey) Isely; *Baptisia lactea* (Rafinesque) Thieret; *Baptisia pendula* Larisey var. *macrophylla* Larisey]. *JKE #1952*.

6. *Centrosema* (A.P. de Candolle) Benth

1. *Centrosema virginianum* (Linnaeus) Benth – SPURRED BUTTERFLY PEA.

Woodland edges and openings; common. [*Bradburya virginiana* (Linnaeus) Kuntze; *Centrosema virginianum* (Linnaeus) Benth var. *ellipticum* Fernald].
JKE #949, JKE #3504.

7. *Cercis* Linnaeus

1. *Cercis canadensis* Linnaeus var. *canadensis* – EASTERN REDBUD. Various types of woodlands from mesic, primarily in calcareous soils; common. *JKE #1700.*

8. *Chamaecrista* Moench

1. *Chamaecrista fasciculata* (Michaux) Greene – COMMON PARTRIDGE PEA.

Roadsides, fields, and other disturbed areas; common. [*Cassia fasciculata* Michaux var. *puberula* (Greene) J.F. Macbride; *Cassia fasciculata* Michaux; *Cassia mississippiensis* Pollard; *Chamaecrista brachiata* Pollard; *Chamaecrista depressa* (Pollard) Green; *Chamaecrista littoralis* Pollard; *Chamaecrista mississippiensis* (Pollard) Pollard ex Heller; *Chamaecrista robusta* (Pollard) Pollard ex Heller]. *JKE #875.*

9. *Crotalaria* Linnaeus

1. *Crotalaria sagittalis* Linnaeus – COMMON RATTLEBOX. Dry woodlands in acidic or basic soils of prairie; common. [*Crotalaria sagittalis* Linnaeus var. *oblonga* Michaux]. *JKE #942, JKE #1957, JKE #2992.*
2. *Crotalaria spectabilis* Roth – SHOWY RATTLEBOX ‡. Fields, roadsides and other disturbed areas; common. *JKE #1210.*

10. *Dalea* Lucanus

1. *Dalea candida* Michaux ex Willdenow – WHITE PRAIRIE CLOVER. Prairies; infrequent. [*Kuhnistera candida* (Willdenow) Kuntze; *Petalostemon candidus* Michaux]. *JKE #2421, JKE #3512.*
2. *Dalea purpurea* Ventenat var. *purpurea* – PURPLE PRAIRIE CLOVER. Prairies; infrequent. [*Kuhnistera purpurea* (Ventenat) MacMillan; *Petalostemon purpureus* (Ventenat) Rydberg]. *JKE #2418.*

11. *Desmanthus* Willdenow

1. *Desmanthus illinoensis* (Michaux) MacMillan ex B.L. Robinson & Fernald – PRAIRIE MIMOSA. Prairies, roadside slopes, and other disturbed areas; common. [*Acuan illinoense* (Michaux) Kuntze]. *JKE #2482, JKE #4408.*

12. *Desmodium* Desvaux

1. *Desmodium ciliare* (Muhlenberg ex Willdenow) A.P. de Candolle – HAIRY SMALL LEAF TICK TREFOIL. Fields, woodland edges, and disturbed areas; rare. [*Codariocalyx gyroides* (Roxburgh ex Link) Hasskarl; *Desmodium ciliare* (Muhlenberg ex Willdenow) A.P. de Candolle var. *lancifolium* Fernald; *Meibomia ciliaris* (Muhlenberg ex Willdenow) Blake]. *R. Kral 29590 (VDB).*
2. *Desmodium laevigatum* (Nuttall) A.P. de Candolle – SMOOTH TICK TREFOIL. Oak and pine forests; common. [*Meibomia laevigata* (Nuttall) Kuntze]. *JKE #3514, JKE #3519.*
3. *Desmodium nuttallii* (Schindler) Schubert – NUTTALL'S TICK TREFOIL. Fields, woodlands, and other disturbed areas; common. *JKE #1003.*
4. *Desmodium paniculatum* (Linnaeus) A.P. de Candolle var. *paniculatum* – PANICLED TICK TREFOIL. Fields, woodlands, and other disturbed areas; common.

[*Desmodium paniculatum* (Linnaeus) A.P. de Candolle var. *pubens* Torrey & Gray; *Meibomia chapmanii* (Linnaeus) Kuntze; *Meibomia pubens* (Torrey & Gray) Rydberg]. *JKE #974, JKE #1288, JKE #3499.*

5. *Desmodium rotundifolium* A.P. de Candolle – ROUNDLEAF TICK TREFOIL. Forests and woodlands; rare. [*Meibomia michauxii* Vail]. *R. Kral 55595 (VDB).*

6. *Desmodium viridiflorum* (Linnaeus) A.P. de Candolle – VELVETY TICK TREFOIL. Fields, woodlands, and other disturbed areas; common. [*Meibomia viridiflora* (Linnaeus) Kuntze]. *JKE #991.*

13. *Erythrina* Linnaeus

1. *Erythrina herbacea* Linnaeus – CORAL BEAN. Oak woodlands on prairie; common. *JKE #4293.*

14. *Galactia* P. Browne

1. *Galactia volubilis* (Linnaeus) Britton var. *volubilis* – DOWNY MILK PEA. Dry forests with sandy soils; common. [*Galactia macreei* M.A. Curtis]. *JKE #3067, JKE #4350.*

15. *Gleditsia* Linnaeus

1. *Gleditsia triacanthos* Linnaeus – HONEY LOCUST. Woodlands, fencerows, and other disturbed areas; common. *JKE #1157.*

16. *Glycine* Willdenow

1. *Glycine max* (Linnaeus) Merrill – SOYBEAN ‡. Fields (as row crops) and nearby ditches; common. *JKE #3200.*

17. *Hylodesmum* H. Ohashi & R.R. Mill

1. *Hylodesmum glutinosum* (Muhlenberg ex Willdenow) H. Ohashi & R.R. Mill –

HEARTLEAF TICK TREFOIL. Rich, mesic forests; rare. [*Desmodium pauciflorum* (Nuttall) A.P. de Candolle; *Desmodium glutinosum* (Muhlenberg ex Willdenow) Wood; *Meibomia acuminata* (Michaux) Blake; *Meibomia grandiflora* auct. non (Walter) Kuntze]. *T. Henderson 150* (AUA).

18. *Kummerowia* Schindler

1. *Kummerowia striata* (Thunberg) Schindler – JAPANESE CLOVER ‡. Fields, roadsides, and other disturbed areas; common. [*Lespedeza striata* (Thunberg) Hooker & Arnott]. *JKE #2942*.

19. *Lackeya* Fortunato, L.P. Queiroz, & G.P. Lewis

1. *Lackeya multiflora* (Torrey & A. Gray) Fortunato, L.P. Queiroz, & G.P. Lewis – BOYKINS CLUSTER PEA. Alluvial, floodplain forests; common. [*Dioclea multiflora* (Torrey & A. Gray) C. Mohr; *Galactia mohlenbrockii* R.H. Maxwell]. *JKE #2946, JKE #3680*.

20. *Lathyrus* Linnaeus

1. *Lathyrus hirsutus* Linnaeus – CALEY PEA ‡. Roadsides, fields, and other disturbed areas; common. *JKE #1805, JKE #2454*.

21. *Lespedeza* Michaux

1. *Lespedeza bicolor* Turczaninow – BICOLOR LESPEDEZA ‡. Ditches, roadsides, woodlands, wildlife food plots, and other disturbed areas; rare. *J.L. Thomas 2427* (UNA).
2. *Lespedeza cuneata* (Dumont-Cours.) G. Don – SERICEA LESPEDEZA ‡. Woodlands, forests and disturbed areas; common. *JKE #3157, JKE #4312*.
3. *Lespedeza violacea* (Linnaeus) Persoon – WAND LESPEDEZA. Various woodlands

and woodland borders; common. [*Lespedeza intermedia* (S. Watson) Britton].
JKE #3002, JKE #3498.

4. *Lespedeza virginica* (Linnaeus) Britton – VIRGINIA LESPEDEZA. Woodlands and woodland borders with sandy soils; common. *JKE #999, JKE #3497.*

22. *Medicago* Linnaeus

1. *Medicago arabica* (Linnaeus) Hudson – SPOTTED BUR CLOVER ‡. Fields, roadsides and other disturbed areas; common. *JKE #1946, JKE #4141.*
2. *Medicago lupulina* Linnaeus – BLACK MEDICK ‡. Fields, roadsides and other disturbed areas; common. *JKE #2481.*
3. *Medicago polymorpha* Linnaeus – SMOOTH BUR CLOVER ‡. Fields, roadsides and other disturbed areas; common. [*Medicago apiculata* auct. non Willdenow; *Medicago denticulata* Willdenow; *Medicago hispida* Gaertner]. *JKE #4064.*

23. *Melilotus* P. Miller

1. *Melilotus indicus* (Linnaeus) Allioni – SMALL MELILOT ‡. Roadsides and other disturbed areas; common. *JKE #777.*
2. *Melilotus officinalis* (Linnaeus) Pallas – YELLOW MELILOT ‡. Roadsides and disturbed areas; rare. *H.D. Moore 270-69 (AUA).*

24. *Mimosa* Linnaeus

1. *Mimosa microphylla* Dryander – EASTERN SENSITIVE BRIAR. Dry woodlands with sandy soils, roadsides, and other disturbed areas; common. [*Leptoglottis chapmanii* Small ex Britton & Rose; *Leptoglottis microphylla* (Dryander) Britton & Rose; *Mimosa quadrivalvis* Linnaeus var. *angustata* (Torrey & Gray) Barneby; *Morongia angustata* (Torrey & Gray) Britton; *Morongia horridula* (Michaux) A.

Heller; *Schrankia microphylla* (Dryander) J.F. Macbride]. *JKE #1414*.

25. *Neptunia* Loureiro

1. *Neptunia lutea* (Leavenworth) Bentham – YELLOW NEPTUNIA. Open prairies; rare. *JKE #2421*.

26. *Orbexilum* Rafinesque

1. *Orbexilum pedunculatum* (P. Miller) Rydberg var. *pedunculatum* – WESTERN SAMPSON'S SNAKEROOT. Roadsides, ditches, and woodlands; infrequent. [*Psoralea psoralioides* (Walter) Cory var. *eglandulosa* (Elliott) Freeman; *Psoralea pedunculata* (P. Miller) Vail]. *JKE #1964*.
2. *Orbexilum pedunculatum* (P. Miller) Rydberg var. *psoralioides* (Walter) Isely – EASTERN SAMPSON'S SNAKEROOT. Open woodlands; rare. [*Psoralea psoralioides* (Walter) Cory var. *psoralioides*; *Orbexilum pedunculatum* var. *gracile* (Torrey & A. Gray) Grimes; *Orbexilum gracile* (Torrey & A. Gray) Rydberg; *Orbexilum pedunculatum*]. *R. Kral 46268* (VDB), *R. Kral 73806* (VDB).

27. *Pueraria* A.P. de Candolle

1. *Pueraria montana* (Loureiro) Merrill var. *lobata* (Willdenow) van der Maesen & S. Almeida – KUDZU ‡. Roadsides, fields, woodland or forest edges, and other disturbed areas; common. [*Pueraria lobata* (Willdenow) Ohwi; *Pueraria thunbergiana* (Siebold & Zuccarini) Bentham]. *JKE #1197*.

28. *Rhynchosia* Loureiro

1. *Rhynchosia tomentosa* (Linnaeus) Hooker & Arnott – TWINING SNOUT BEAN. Edges of chalk prairie barrens, forest edges, and dry pine woods; common.

[*Rhynchosia erecta* (Walter) A.P. de Candolle; *Rhynchosia intermedia* (Torrey & Gray) Small]. *JKE* #2485.

29. *Senna* P. Miller

1. *Senna marilandica* (Linnaeus) Link – MARYLAND WILD SENNA. Woodland border, roadsides, and moist forest; common. [*Cassia marilandica* Linnaeus; *Ditremexa marilandica* (Linnaeus) Britton & Rose; *Ditremexa medsgeri* (Shafer) Britton & Rose]. *JKE* #1287.
2. *Senna obtusifolia* (Linnaeus) Irwin & Barneby – SICKLEPOD. Moist roadside ditch; rare. [*Cassia obtusifolia* Linnaeus; *Cassia tora auct. non* Linnaeus; *Emelista tora* sensu Britton & Rose]. *R. Kral* 29632 (VDB).

30. *Sesbania* Adanson

1. *Sesbania herbacea* (P. Miller) McVaugh – COFFEE WEED. Ditches, wet roadsides and fields; common. [*Sesbania exaltatus* (Rafinesque) Rydberg; *Sesbania exaltata* (Rafinesque) Rydberg ex A.W. Hill; *Sesbania macrocarpa* Muhlenberg]. *JKE* #1394.
2. *Sesbania vesicaria* (Jacquin) Elliott – BLADDERPOD. Ditches, marshes, and other disturbed areas; common. [*Glottidium vesicarium* (Jacquin) R.M. Harper]. *JKE* #1372.

31. *Strophostyles* Elliott

1. *Strophostyles helvola* (Linnaeus) Elliott – ANNUAL SAND BEAN. Dry, sandy woodlands and disturbed areas; common. [*Phaseolus helvolus* Linnaeus]. *JKE* #950.

32. *Stylosanthes* Swartz

1. *Stylosanthes biflora* (Linnaeus) Britton, Sterns, & Poggenburg – PENCIL FLOWER.

Dry, sandy roadsides, woodland borders, and other disturbed areas; common.

[*Stylosanthes biflora* (Linnaeus) Britton, Sterns & Poggenburg var. *hispidissima* (Michaux) Pollard & Ball; *Stylosanthes riparia* Kearney]. JKE #2999.

33. *Tephrosia* Persoon

1. *Tephrosia spicata* (Walter) Torrey & A. Gray – LOOSE FLOWER GOAT'S RUE. Dry,

sandy soils on roadsides and woodlands; common. [*Cracca flexuosa* (Vail)

Heller; *Cracca spicata* (Walter) Kuntze; *Cracca spicata* (Walter) Kuntze var.

flexuosa (Chapman) Vail]. JKE #2517, JKE #3001, JKE #3768.

34. *Trifolium* Linnaeus

1. *Trifolium campestre* Schreber – HOP CLOVER ‡. Roadsides, fields, lawns, and other

disturbed areas; common. [*Trifolium procumbens* Linnaeus]. JKE #779, JKE

#1693, JKE #1884, JKE #1666.

2. *Trifolium incarnatum* Linnaeus – CRIMSON CLOVER ‡. Roadsides, fields, and other

disturbed areas; common. JKE #1791.

3. *Trifolium lappaceum* Linnaeus – LAPPA CLOVER ‡. Roadsides, fields, and other

disturbed areas; common. JKE #780.

4. *Trifolium nigrescens* Viviani – BALL CLOVER ‡. Roadsides, fields, and other

disturbed areas; common. JKE #1889, JKE #1961.

5. *Trifolium pratense* Linnaeus – RED CLOVER ‡. Roadsides, fields, and other

disturbed areas; common. JKE #1940.

6. *Trifolium repens* Linnaeus – WHITE CLOVER ‡. Roadsides, fields, and other

disturbed areas; common. JKE #778, JKE #1947.

7. *Trifolium resupinatum* Linnaeus – REVERSED CLOVER ‡. Roadsides, fields, and other disturbed areas; common. *JKE #1806*.

35. *Vicia* Linnaeus

1. *Vicia caroliniana* Walter – CAROLINA VETCH. Mesic forests, woodlands and disturbed areas; rare. [*Vicia hugeri* Small]. *JKE #3264*.
2. *Vicia grandiflora* Scopoli – LARGE YELLOW VETCH ‡. Roadsides and other disturbed areas; common. *JKE #1695, JKE #1711*.
3. *Vicia sativa* Linnaeus *ssp. nigra* (Linnaeus) Ehrhart – NARROWLEAF VETCH ‡. Roadsides and other disturbed areas; rare. [*Vicia angustifolia* Linnaeus; *Vicia angustifolia* Linnaeus var. *segetalis* (Thuillier) Seringe; *Vicia angustifolia* Linnaeus var. *uncinata* (Desvaux) Rouy; *Vicia sativa* Linnaeus var. *segetalis* (Thuillier) Seringe]. *J.L. Thomas 1924 (UNA)*.
4. *Vicia sativa* Linnaeus *ssp. sativa* – COMMON VETCH ‡. Roadsides and other disturbed areas; common. *JKE #1694*.
5. *Vicia tetrasperma* (Linnaeus) Schreber – SLENDER VETCH ‡. Roadsides and other disturbed areas; common. *JKE #1696, JKE #1751, JKE #1794*.
6. *Vicia villosa* Roth *ssp. villosa* – HAIRY VETCH ‡. Roadsides and other disturbed areas; common. *JKE #1750*.

36. *Wisteria* Nuttall

1. *Wisteria sinensis* (Sims) A.P. de Candolle – CHINESE WISTERIA ‡. Various woodlands and forests; common. [*Rehsonia sinensis* (Sims) Stritch]. *JKE #1705*.

FAGACEAE Dumortier 1829
Beech Family

1. *Castanea* P. Miller

1. *Castanea dentata* (Marshall) Borkhausen – AMERICAN CHESTNUT. Mesic woods;
rare. *R.C. Clark 13666* (NCU).
2. *Castanea mollissima* Blume – CHINESE CHESTNUT ‡. Lawns and old home sites;
rare. *JKE #3859*.
3. *Castanea pumila* (Linnaeus) P. Miller – COMMON CHINQUAPIN. Dry, upland woods;
rare. [*Castanea alnifolia* Nuttall; *Castanea ashei* (Sudworth) Sudworth; *Castanea floridana* (Sargent) Ashe]. *JKE #3974*.

2. *Fagus* Linnaeus

1. *Fagus grandifolia* Ehrhart – AMERICAN BEECH. Mesic forests; common. *JKE #3116*.

3. *Quercus* Linnaeus

1. *Quercus acutissima* Carruthers – SAWTOOTH OAK ‡. Roadsides, game plots, lawns
and other disturbed areas; infrequent. *JKE #3019, JKE #3091*.
2. *Quercus alba* Linnaeus – WHITE OAK. Mesic to dry forests and woodlands;
common. *JKE #785*.
3. *Quercus coccinea* Muenchhausen – SCARLET OAK. Dry upland forests; common.
[*Quercus coccinea* Muenchhausen var. *tuberculata* Sargent]. *JKE #1475*.
4. *Quercus durandii* Buckley – BASTARD OAK. Mesic slopes and alluvial forests
typically in calcareous soils; common. [*Quercus sinuata* Walter var. *sinuata*].
JKE #1149, JKE #3191, JKE #4361.
5. *Quercus falcata* Michaux – SOUTHERN RED OAK. Mesic to dry forests and

- woodlands; common. [*Quercus digitata* (Marshall) Sudworth; *Quercus falcata* Michaux var. *triloba* (Michaux) Nuttall]. *JKE #1212*.
6. *Quercus incana* Bartram – BLUEJACK OAK. Sandy, upland woodlands and forests; common. [*Quercus brevifolia* (Lamarck) Sargent; *Quercus cinerea* Michaux]. *JKE #3754*.
7. *Quercus laevis* Walter – TURKEY OAK. . Upland woodlands and forests; rare. [*Quercus catesbaei* Michaux]. *JKE #3895*.
8. *Quercus laurifolia* Michaux – LAUREL OAK. Floodplain and swampy woods; common. [*Quercus obtusa* (Willdenow) Ashe]. *JKE #3153, JKE #3843*.
9. *Quercus lyrata* Walter – OVERCUP OAK. Low woods and floodplain forest; common. *JKE #3115*.
10. *Quercus margarettiae* Ashe ex Small – SAND POST OAK. Sandy, upland woodlands and forests; common. [*Quercus stellata* Wangenheim var. *margaretta* (Ashe ex Small) Sargent]. *JKE #3752, JKE #3857*.
11. *Quercus marilandica* Muenchhausen var. *marilandica* – BLACKJACK OAK. Woodlands and forests; common. *JKE #3003*.
12. *Quercus michauxii* Nuttall – SWAMP CHESTNUT OAK. Low woods, floodplain woods, and riparian zones; common. [*Quercus prinus* auct. p.p. non Linnaeus]. *JKE #786*.
13. *Quercus muehlenbergii* Engelm. – YELLOW OAK. Woodlands and forests with calcareous soils; common. [*Quercus acuminata* (Michaux) Houba; *Quercus prinoides* Coulter var. *acuminata* (Michaux) Gleason]. *JKE #1025*.
14. *Quercus nigra* Linnaeus – WATER OAK. Mesic to dry woods, floodplain forests, and

- other low woods; common. *JKE #787*.
15. *Quercus oglethorpensis* Duncan – OGLETHORPE OAK ♀ **S1/G3**. Bottomland woods; rare. *W.K. Webb s.n. (UWAL)*.
 16. *Quercus pagoda* Rafinesque – CHERRYBARK OAK. Bottomland and mesic forests; common. [*Quercus falcata* Michaux var. *pagodifolia* Elliott; *Quercus pagodifolia* (Elliott) Ashe] *JKE #1474*.
 17. *Quercus phellos* Linnaeus – WILLOW OAK. Mesic to bottomland woods; common. *JKE #1401*.
 18. *Quercus prinoides* Willdenow - DWARF CHINQUAPIN OAK. Dry woods; rare. *R. Kral 33102 (VDB)*.
 19. *Quercus rubra* Linnaeus var. *rubra* – NORTHERN RED OAK. Mesic woods; rare. [*Quercus maxima* (Marshall) Ashe]. *R.C. Clark 13777 (NCU)*.
 20. *Quercus shumardii* Buckley – SHUMARD OAK. Rich, mesic forests typically in calcareous soils; common. [*Quercus schneckii* Britton; *Quercus shumardii* Buckley var. *schneckii* (Britton) Sargent]. *JKE #1151, JKE #1440, JKE #3193*.
 21. *Quercus stellata* Wangenheim – POST OAK. Woodlands and forests; common. [*Quercus minor* (Marshall) Sargent]. *JKE #2964*.
 22. *Quercus velutina* Lamarck – BLACK OAK. Upland woodlands and forests with sandy soils; common. *JKE #1213*.
 23. *Quercus virginiana* P. Miller – LIVE OAK. Lawns and old home sites; rare. *JKE #3654*.

GELSEMIACEAE (G. Don) Struwe & V. Albert 1995
Jessamine Family

1. *Gelsemium* A. L. de Jussieu

1. *Gelsemium sempervirens* (Linnaeus) St. Hilaire – CAROLINA JESSAMINE. Dry upland forests and woodlands; common. *JKE #1632*.

GENTIANACEAE A.L. de Jussieu
Gentian Family

1. *Obolaria* Linnaeus

1. *Obolaria virginica* Linnaeus – PENNYWORT. Rich, mesic ravines; rare. *JKE #4169*

2. *Sabatia* Adanson

1. *Sabatia angularis* (Linnaeus) Pursh – COMMON MARSH PINK. Wet ditches, roadsides, fields and woodlands; common. *JKE #1022, JKE #3533*.

GERANIACEAE A.L. de Jussieu 1789
Geranium Family

1. *Erodium* L'Héritier in Aiton

1. *Erodium cicutarium* (Linnaeus) L'Héritier – COMMON STORKS BILL ‡. Gravelly areas adjacent to parking lots and sidewalks; rare. *JKE #2631*.

2. *Geranium* Linnaeus

1. *Geranium carolinianum* Linnaeus – CAROLINA CRANES BILL. Fields, lawns, fields, roadsides, gardens, and other disturbed areas; common. *JKE #1713*.
2. *Geranium dissectum* Linnaeus – CUTLEAF CRANES BILL ‡. . Fields, lawns, fields, roadsides, gardens, and other disturbed areas; common. *JKE #1708*.
3. *Geranium maculatum* Linnaeus – WILD GERANIUM. Rich, mesic slopes and forests; rare. *J.W. Harris s.n. (UWAL)*.

4. *Geranium molle* Linnaeus – DOVES FOOT CRANES BILL ‡. Roadsides, lawns and other disturbed areas; infrequent. *JKE #4745*.

HALORAGACEAE R. Brown 1814
Water Milfoil Family

1. *Myriophyllum* Linnaeus

1. *Myriophyllum aquaticum* (da Conceição Vellozo) Verdcourt – PARROT FEATHER ‡. Ditches, ponds, lakes, and backwater sloughs; common. [*Myriophyllum brasiliense* Cambessedes; *Myriophyllum proserpinacoides* Gillies ex Hooker & Arnott]. *JKE #3724*.

HAMAMELIDACEAE R. Brown 1818
Witch Hazel Family

1. *Hamamelis* Linnaeus

1. *Hamamelis virginiana* Linnaeus – NORTHERN WITCH HAZEL. Mesic to dry forests, especially along streams; common. [*Hamamelis virginiana* Linnaeus var. *henryi* Jenne]. *JKE #1802*.

HYDRANGEACEAE Dumortier 1829
Hydrangea Family

1. *Decumaria* Linnaeus

1. *Decumaria barbara* Linnaeus – CLIMBING HYDRANGEA. Bottomland woods and swamp forests; common. *JKE #4144*, *JKE #4467*.

2. *Hydrangea* Linnaeus

1. *Hydrangea arborescens* Linnaeus – SMOOTH HYDRANGEA. Rich, mesic forests;

common. [*Hydrangea arborescens* Linnaeus var. *cordata* (Pursh) Torrey & Gray; *Hydrangea arborescens* Linnaeus var. *oblonga* Torrey & Gray]. *JKE* #3176, *JKE* #3539.

2. *Hydrangea quercifolia* Bartram – OAKLEAF HYDRANGEA. Mesic to dry forests; rare. *R.C. Clark 13769* (NCU).

HYDROLEACEAE Berchtold & J. Presl 1820 Hydrolea Family

1. *Hydrolea* Linnaeus

1. *Hydrolea quadrivalvis* Walter – WATERPOD. Backwater sloughs, edge of marshes and ponds; common. [*Nama quadrivalvis* (Walter) Kuntze]. *JKE* #2924.
2. *Hydrolea uniflora* Rafinesque – ONE FLOWER FALSE FIDDLELEAF. Backwater sloughs, edges of marshes and ponds; common. [*Nama affinis* (Gray) Kuntze]. *JKE* #2974, *JKE* #3716.

HYPERICACEAE A.L. de Jussieu 1789 St. John's Wort Family

1. *Hypericum* Linnaeus

1. *Hypericum crux-andreae* (Linnaeus) Crantz – ST. ANDREWS CROSS. Dry, sandy soils in forests and woodlands; common. [*Ascyrum cuneifolium* Chapman; *Ascyrum stans* Michaux ex Willdenow; *Hypericum stans* (Michaux) P. Adams & Robson]. *JKE* #915.
2. *Hypericum drummondii* (Greville & Hooker) Torrey & A. Gray – DRUMMONDS ST. JOHNS WORT. Dry woodlands, fields, and woodland borders; common. [*Sarothra*

- drummondii* Greville & Hooker]. *JKE* #966.
3. ***Hypericum frondosum*** Michaux – GOLDEN ST. JOHNS WORT. Calcareous woodlands on prairie; infrequent. [*Hypericum aureum* Bartram; *Hypericum splendens* Small] *JKE* #4292.
 4. ***Hypericum gentianoides*** (Linnaeus) Britton, Sterns, & Poggenburg – PINEWEEED. Fields, woodlands, sandy roadsides; common. [*Sarothra gentianoides* Linnaeus]. *JKE* #976.
 5. ***Hypericum hypericoides*** (Linnaeus) Crantz – ST. ANDREWS CROSS. Dry forests; common. [*Ascyrum hypericoides* Linnaeus; *Ascyrum linifolium* Spach]. *JKE* #914, *JKE* #3767.
 6. ***Hypericum lobocarpum*** Gattinger – FIVELOBE ST. JOHNSWORT. Steambanks; rare. Two other collections of this taxa occurred in Marengo County prior to this study; however, neither collection was documented. These collections are considered state records. [*Hypericum densiflorum* var. *lobocarpum* (Gattinger) Svenson]. *R. Kral* 43501 (VDB), *J.J. Street* 171 (AUA), *JKE* # 3109.
 7. ***Hypericum mutilum*** Linnaeus – COMMON DWARF ST. JOHNS WORT. Bogs, marshes, and other wet areas; common. [*Hypericum mutilum* Linnaeus var. *latisepalum* Fernald]. *JKE* #1191, *JKE* #3101.
 8. ***Hypericum perforatum*** Linnaeus – EUROPEAN ST. JOHNS WORT ‡. Fields, roadsides, and ditches; common. *JKE* #4269.
 9. ***Hypericum prolificum*** Linnaeus – SHRUBBY ST. JOHNS WORT. Low woods, rocky outcrops, and margins of backwaters; common. [*Hypericum spathulatum* (Spach) Steudel]. *JKE* #2512, *JKE* #3068, *JKE* #3109.

10. *Hypericum sphaerocarpum* Michaux – BARRENS ST. JOHNS WORT. Prairies and other areas with calcareous soils; common. [*Hypericum sphaerocarpum* Michaux var. *turgidum* (Small) Svenson; *Hypericum turgidum* Small]. *JKE* #2449.
11. *Hypericum walteri* J.G. Gmelin – WALTERS MARSH ST. JOHNS WORT. Seepage woods and swamp forests; common. [*Hypericum tubulosum* Walter var. *walteri* (J.G. Gmelin) Lott; *Triadenum petiolatum* (Walter) Britton; *Triadenum walteri* (Gmelin) Gleason]. *JKE* #1131.

ILLICIACEAE A.C. Smith 1947
Star-anise Family

1. *Illicium* Linnaeus

1. *Illicium floridanum* Ellis – FLORIDA STAR ANISE. Roadside marsh in standing water; infrequent. *JKE* #1794, *JKE* #4153.

ITEACEAE J. AGARDH 1858
Sweetspire Family

1. *Itea* Linnaeus

1. *Itea virginica* Linnaeus – VIRGINIA WILLOW. Moist woodland borders & thickets, forests, and riparian zones of small streams; common. *JKE* #3107.

JUGLANDACEAE A. Richard ex Kunth 1824
Walnut Family

1. *Carya* Nuttall

1. *Carya aquatica* (Michaux f.) Elliott – WATER HICKORY. Bottomland woods and

- riparian zone of streams and rivers; common. [*Hicoria aquatica* (Michaux f.) Britton]. *JKE* #3846.
2. *Carya carolinae-septentrionalis* (Ashe) Engler & Graebner – CAROLINA SHAGBARK HICKORY. Prairie woodlands; rare. [*Carya ovata* (P. Miller) K. Koch var. *australis* (Ashe) Little; *Hicoria carolinae-septentrionalis* Ashe]. *R. Kral* 69840 (UWAL).
3. *Carya cordiformis* (Wangenheim) K. Koch – BITTERNUT HICKORY. Forests and woodlands; rare. [*Hicoria cordiformis* (Wangenheim) Britton; *Hicoria minima* (Marshall) Britton]. *R.C. Clark* 14023 (NCU).
4. *Carya glabra* (P. Miller) Sweet – PIGNUT HICKORY. Upland woods to low woods; common. [*Carya glabra* (P. Miller) Sweet var. *hirsuta* (Ashe) Ashe; *Carya glabra* (P. Miller) Sweet var. *megacarpa* (Sargent) Sargent; *Carya leiodermis* Sargent; *Carya ovalis* (Wangenheim) Sargent var. *hirsuta* (Ashe) Sargent; *Hicoria austrina* Small; *Hicoria glabra* (P. Miller) Britton var. *glabra*; *Hicoria glabra* (P. Miller) Britton var. *hirsuta* Ashe]. *JKE* #4371.
5. *Carya illinoensis* (Wangenheim) K. Koch – PECAN ‡. Old home sites and urban woods; common. [*Hicoria pecan* (Marshall) Britton]. *JKE* #1156.
6. *Carya myristiciformis* (Michaux f.) Elliott – NUTMEG HICKORY. Moist, prairie woodlands; infrequent. [*Hicoria myristiciformis* (Michaux f.) Britton]. *JKE* #1152, *JKE* #4343.
7. *Carya ovalis* (Wangenheim) Sargent – RED HICKORY. Upland woods in sandy soils; rare. [*Carya ovalis* (Wangenheim) Sargent var. *obcordata* (Muhlenberg & Willdenow) Sargent; *Carya ovalis* (Wangenheim) Sargent var. *obovalis* Sargent;

Carya ovalis (Wangenheim) Sargent var. *odorata* (Marshall) Sargent; *Hicoria microcarpa* (Nuttall) Britton]. *JKE #4313*.

8. *Carya ovata* (P. Miller) K. Koch – COMMON SHAGBARK HICKORY. Rich, mesic bottomland forests; common. [*Carya ovata* (P. Miller) K. Koch var. *pubescens* Sargent; *Hicoria ovata* (P. Miller) Britton]. *JKE #1469*, *JKE #1470*, *JKE #3425*, *JKE #3661*.
9. *Carya pallida* (Ashe) Engler & Graebner – SAND HICKORY. Dry forests and woodlands; rare. [*Hicoria pallida* Ashe]. *R.C. Clark 13772* (NCU).
10. *Carya tomentosa* (Lamarck ex Poiret) Nuttall – MOCKERNUT HICKORY. Mesic to dry woodlands and forests; common. [*Carya alba* (Linnaeus) Nuttall ex Elliott; *Hicoria alba* (Linnaeus) Britton]. *JKE #1373*, *JKE # 3070*, *JKE #3071*.

2. *Juglans* Linnaeus

1. *Juglans nigra* Linnaeus – BLACK WALNUT. Bottomland woods to rich, mesic forests, typically near streams or major rivers; common. [*Wallia nigra* (Linnaeus) Alefeld]. *JKE #3202*.

LAMIACEAE Lindley 1836 Mint Family

1. *Ajuga* Linnaeus

1. *Ajuga reptans* Linnaeus – CARPET BUGLE ‡. Lawns and roadside ditches; common. *JKE #1816*.

2. *Blephilia* Rafinesque

1. *Blephilia ciliata* (Linnaeus) Bentham – DOWNY WOOD MINT. Fields, roadsides, prairies, and prairie savannahs; common. *JKE #2460*.

3. *Callicarpa* Linnaeus

1. *Callicarpa americana* Linnaeus – BEAUTYBERRY. Various forest types and conditions; common. *JKE #995, JKE #3166.*

4. *Collinsonia* Linnaeus

1. *Collinsonia anisata* Sims – SOUTHERN HORSEBALM. Rich woods; rare.
[*Collinsonia serotina* Walter; *Micheliella anisata* (Sims) Briquet]. *R. Kral 19772*
(VDB).
2. *Collinsonia canadensis* Linnaeus – NORTHERN HORSEBALM. Rich, mesic ravines; rare. [*Collinsonia scabriuscula* Aiton]. *JKE #1259.*

5. *Glechoma* Linnaeus

1. *Glechoma hederacea* Linnaeus – GILL OVER THE GROUND. Lawns, ditches, and other disturbed areas with moist soils; infrequent. [*Glechoma hederacea* Linnaeus var. *micrantha* Moricand; *Glechoma hederacea* Linnaeus var. *parviflora* (Bentham) House]. *JKE #3238.*

6. *Hedeoma* Persoon

1. *Hedeoma drummondii* Bentham var. *drummondii* – DRUMMONDS FALSE PENNYROYAL ♀ S2/G5. Open prairies and woodland edges; rare. *JKE #948.*
2. *Hedeoma hispida* Pursh – ROUGH PENNYROYAL. Edge of prairie woodlands and disturbed areas with calcareous soils; infrequent. *JKE #4276.*

7. *Hyptis* Jacquin

1. *Hyptis alata* (Rafinesque) Shinnery – CLUSTER BUSHMINT. Wet, sandy swales on roadside; rare. [*Hyptis radiata* Willdenow; *Mesosphaerum rugosum* (Linnaeus) Pollard]. *R. Kral 51406* (VDB).

2. *Hyptis mutabilis* (A. Richard) Briquet – TROPICAL BUSHMINT ‡. Roadsides, and other disturbed areas in bottomland woods; infrequent. [*Cantinoa mutabilis* (A. Richard) Harley & J.F.B. Pastore]. *JKE* #3853.

8. *Lamium* Linnaeus

1. *Lamium amplexicaule* Linnaeus var. *amplexicaule* – HENBIT DEAD NETTLE ‡. Roadsides, lawns, fields, and other disturbed areas; common. *JKE* #1579.
2. *Lamium purpureum* Linnaeus – PURPLE DEAD NETTLE ‡. Roadsides, lawns, fields, and other disturbed areas; common. *JKE* #1588.

9. *Lycopus* Linnaeus

1. *Lycopus americanus* Muhlenberg ex W.P.C. Barton – AMERICAN BUGLEWEED. Seeps, wet woods, and bottomland woods; rare. [*Lycopus americanus* Muhlenberg ex Bartram var. *longii* Benner; *Lycopus americanus* Muhlenberg ex Bartram var. *scabrifolius* Fernald]. *D.H. Burk* 3 (UNA).
2. *Lycopus rubellus* Moench – STALKED BUGLEWEED. Seeps, wet woods, and bottomland woods; infrequent. [*Lycopus velutinus* Rydberg]. *JKE* #1142.
3. *Lycopus virginicus* Linnaeus – VIRGINIA BUGLEWEED. Seeps, wet woods, and bottomland woods; infrequent. *JKE* #1260.

10. *Mentha* Linnaeus

1. *Mentha spicata* Linnaeus var. *spicata* – SPEARMINT. Wet, boggy ditch; rare. *JKE* #4434.

11. *Monarda* Linnaeus

1. *Monarda citriodora* Cervantes ex Lagasca y Segura var. *citriodora* – LEMON BERGAMOT. Prairies; common. [*Monarda dispersa* Small]. *JKE* #2451, *JKE*

#4282.

2. *Monarda fistulosa* Linnaeus var. *fistulosa* – APPALACHIAN BERGAMOT – Thicker soils on prairie woodland edges; rare. *JKE #4290*.
3. *Monarda fistulosa* Linnaeus var. *mollis* (Linnaeus) Bentham – EASTERN BERGAMOT. Edges of prairie woods and savannahs; rare. [*Monarda mollis* Linnaeus; *Monarda scabra* Beck]. *JKE #4277*.
4. *Monarda punctata* Linnaeus var. *punctata* – EASTERN HORSE MINT. Roadsides and other disturbed areas with sandy soils; common. *JKE #1253*, *JKE #3731*.

12. *Nepeta* Linnaeus

1. *Nepeta cataria* Linnaeus – CATMINT ‡. Roadsides and lawns; rare. *J.W. Harris s.n.* (UWAL).

13. *Perilla* Linnaeus

1. *Perilla frutescens* (Linnaeus) Britton – BEEFSTEAK PLANT ‡. Disturbed areas in low woods; common. *JKE #3679*.

14. *Physostegia* Bentham

1. *Physostegia angustifolia* Fernald – NARROWLEAF OBEDIENT PLANT. Moist areas on prairies; rare. *JKE #2419*.
2. *Physostegia virginiana* (Linnaeus) Bentham ssp. *virginiana* – NORTHERN OBEDIENT PLANT. Moist area in ditch near clearcut in low woods; rare. [*Dracocephalum denticulatum* Aiton; *Dracocephalum virginianum* Linnaeus; *Physostegia virginiana* (Linnaeus) Bentham var. *speciosa* (Sweet) Gray; *Physostegia virginiana* (Linnaeus) Bentham var. *granulosa* (Fassett) Fernald]. *R. Kral 51395* (VDB); *JKE #4475*.

15. *Prunella* Linnaeus

1. *Prunella vulgaris* Linnaeus var. *lanceolata* (W. Barton) Fernald – AMERICAN SELF HEAL. Prairies; common. [*Prunella vulgaris* Linnaeus var. *lanceolata* (W. Barton) Fernald]. *JKE #2020, JKE #2422, JKE #2508, JKE #3435.*

16. *Pycnanthemum* Michaux

1. *Pycnanthemum albescens* Torrey & A. Gray – WHITE LEAVED MOUNTAIN MINT. Mesic forests; rare. [*Koellia albescens* (Torrey & A. Gray) Kuntze]. *R. Kral 43504 (VDB).*
2. *Pycnanthemum muticum* (Michaux) Persoon – CLUSTERED MOUNTAIN MINT. Moist roadsides and woods with sandy soils; common. [*Koellia mutica* (Michaux) Kuntze]. *JKE #1266, JKE #4414.*
3. *Pycnanthemum tenuifolium* Schrader – NARROWLEAF MOUNTAIN MINT. Moist roadsides and woods with sandy soils; common. [*Koellia flexuosa* auct. non (Walter) MacMillan]. *JKE #2492, JKE #4415.*

17. *Salvia* Linnaeus

1. *Salvia azurea* Michaux ex Lamarck var. *azurea* – AZURE SAGE. Prairies; common. *JKE #943.*
2. *Salvia azurea* Michaux ex Lamarck var. *grandiflora* Bentham – PITCHERS BLUE SAGE. Prairies, rare. [*Salvia pitcheri* Torrey ex Bentham]. *R. Kral 29616 (VDB).*
3. *Salvia lyrata* Linnaeus – LYRELEAF SAGE. Lawns, roadsides, ditches, and other open disturbed areas; common. *JKE #1703.*

18. *Scutellaria* Linnaeus

1. *Scutellaria integrifolia* Linnaeus – HYSSOP SKULLCAP. Bottomlands and low woods; common. [*Scutellaria integrifolia* Linnaeus var. *hispida* Bentham]. *R. Kral 55581* (VDB), *JKE #2546*, *JKE #4295*.
2. *Scutellaria mellichampii* Small – MELLICHAMPS SKULLCAP. Sandy deciduous forests; rare. [*Scutellaria incana* Biehler var. *australis* (Epling) Collins]. *H.D. Moore 691-69* (AUA).
3. *Scutellaria parvula* Michaux – DWARF SKULLCAP. Prairies, savannahs, and edges of prairie woods; rare. [*Scutellaria campestris* Britton]. *JKE #4247*.

19. *Stachys* Linnaeus

1. *Stachys floridana* Shuttleworth ex Bentham – FLORIDA BETONY. Fields, lawns and other disturbed areas; common. *JKE #1822*, *JKE #4137*.

20. *Trichostema* Linnaeus

1. *Trichostema dichotomum* Linnaeus – COMMON BLUE CURLS. Dry woodlands and disturbed areas; infrequent. *JKE #1251*.

21. *Vitex* Linnaeus

1. *Vitex agnus-castus* Linnaeus – CHASTE TREE ‡. Lawns and disturbed areas; infrequent. *JKE #3631*.
2. *Vitex negundo* Linnaeus – CHINESE CHASTE TREE ‡. Disturbed area along roadside; rare. *JKE #4430*.

LAURACEAE A.L. de Jussieu 1789

Laurel Family

1. *Lindera* Thunberg

1. *Lindera benzoin* (Linnaeus) Blume – NORTHERN SPICEBUSH. Rich, mesic woods

and ravines; common. [*Benzoin aestivale* (Linnaeus) Nees; *Benzoin benzoin* (Linnaeus) Coulter]. *JKE* #2260.

2. *Sassafras* Presl

1. *Sassafras albidum* (Nuttall) Nees – SASSAFRAS. Dry to mesic forests, woodlands and fence rows; common. [*Sassafras albidum* (Nuttall) Nees var. *molle* (Rafinesque) Fernald; *Sassafras sassafras* (Linnaeus) Karsten]. *JKE* #1749.

LENTIBULARIACEAE Richard 1808 Bladderwort Family

1. *Utricularia* Linnaeus

1. *Utricularia biflora* Lamarck – LONGSPUR CREEPING BLADDERWORT. Ponds, lakes, marshes, and wet ditches; common. [*Utricularia pumila* Walter]. *JKE* #1383.
2. *Utricularia inflata* Walter – SWOLLEN BLADDERWORT ☼ **S1S2/G5**. Ponds, lakes, marshes, and wet ditches; rare. *J.W. Harris s.n.* (UWAL).

LINACEAE A.P. de Candolle ex Gray 1821 Flax Family

1. *Linum* Linnaeus

1. *Linum medium* (Planchon) Britton var. *texanum* (Planchon) Fernald – TEXAS
YELLOW FLAX. Moist roadside ditches; common. [*Cathartolinum medium* (Planchon) Small; *Linum virginianum* Linnaeus var. *medium* Planchon]. *JKE* #2486, *JKE* #2497, *JKE* #4304, *JKE* #4416.
2. *Linum striatum* Walter – RIDGESTEM YELLOW FLAX. Seepages and wet ditches; common. [*Cathartolinum striatum* (Walter) Small]. *JKE* #2514, *JKE* #3494, *JKE* #3596.

3. *Linum sulcatum* Riddell – GROOVED YELLOW FLAX. Moist areas on prairies; rare.
[*Cathartolinum sulcatum* (Riddell) Small]. *JKE* #3510.
4. *Linum virginianum* Linnaeus – VIRGINIA YELLOW FLAX. Dry to mesic woods and roadside slopes. [*Cathartolinum virginianum* (Linnaeus) Reichenbach]. *JKE* #975, *JKE* #3100.

LINDERNIACEAE Borsch, K. Müller, & Eb. Fischer 2005
False Pimpernel Family

1. *Lindernia* Allioni

1. *Lindernia dubia* (Linnaeus) Pennell var. *anagallidea* (Michaux) Cooperrider – SLENDER FALSE PIMPERNEL. Edges of marshes and other wet, sandy areas; common. [*Ilysanthes gratioloides* (Linnaeus) Bentham; *Ilysanthes inequalis* (Walter) Pennell; *Lindernia anagallidea* (Michaux) Pennell]. *JKE* #2935.

2. *Micranthemum* Michaux

1. *Micranthemum umbrosum* (J.F. Gmelin) Blake – SHADE MUDDFLOWER. Wet depressions, edges of marshes, and other wet areas; common. [*Globifera umbrosa* J.F. Gmelin; *Hemianthus callitrichoides* Grisebach; *Micranthemum orbiculatum* Michaux]. *JKE* #973, *JKE* #3713.

LOGANIACEAE R. Brown ex Martius 1827
Logania Family

1. *Mitreola* Linnaeus

1. *Mitreola petiolata* (J.F. Gmelin) Torrey & A. Gray – CARIBBEAN MITERWORT. Edge of marshes; rare. [*Cynoctonum mitreola* (Linnaeus) Britton]. *JKE* #3719, *JKE*

#3745, JKE #4460

2. *Spigelia* Linnaeus

1. *Spigelia marilandica* (Linnaeus) Linnaeus – PINKROOT. Rich, mesic woods; infrequent. JKE #2070.

LYTHRACEAE J. St.-Hilaire 1805

Loosestrife Family

1. *Ammannia* Linnaeus

1. *Ammannia coccinea* Rottbøll – SCARLET LOOSESTRIFE. Wet depressions, ditches, marshes, and other wet areas; common. JKE #926.

2. *Cuphea* P. Browne

1. *Cuphea carthagenensis* (Jacquin) J.F. Macbride – COLOMBIAN WAXWEED ‡. Marshes, ditches, and other wet areas; common. [*Parsonsia balsamona* (Chamisso & Schlechtendahl) Standley]. JKE #1404.

3. *Lagerstroemia* Linnaeus

1. *Lagerstroemia indica* Linnaeus – CRAPE MYRTLE ‡. Wet ditches and edges of low woods; common. JKE #2972.

4. *Lythrum* Linnaeus

1. *Lythrum lanceolatum* Elliott – SOUTHERN WINGED LOOSESTRIFE. Moist and wet areas; common. [*Lythrum alatum* ssp. *lanceolatum* (Elliott) A. Haines]. JKE #911.

5. *Rotala* Linnaeus

1. *Rotala ramosior* (Linnaeus) Koehne – TOOTHCUP. Ditches, marshes, wet depressions and other wet areas; common. [*Rotala ramosior* (Linnaeus) Koehne var. *interior*

Fernald & Griscom]. *JKE #912, JKE #937.*

MAGNOLIACEAE A.L. de Jussieu 1789
Magnolia Family

1. *Liriodendron* Linnaeus

1. *Liriodendron tulipifera* Linnaeus – TULIP TREE. Dry to mesic woods, ravines and slopes; common. *JKE #1386, JKE #1966.*

2. *Magnolia* Linnaeus

1. *Magnolia acuminata* (Linnaeus) Linnaeus var. *acuminata* – CUCUMBER TREE. Mesic to upland woods; rare. [*Tulipastrum acuminatum* (Linnaeus) Small]. *JKE #1803.*
2. *Magnolia grandiflora* Linnaeus – SOUTHERN MAGNOLIA. Low mesic to dry upland woods with typical sandy soils; common. [*Magnolia foetida* (Linnaeus) Sargent]. *JKE #968.*
3. *Magnolia macrophylla* Michaux – BIGLEAF MAGNOLIA. Mesic ravine slopes; rare. *JKE #1384.*
4. *Magnolia virginiana* Linnaeus – SWEET BAY MAGNOLIA. Swamps, wet roadside ditches, and low woods; common. *JKE #967, JKE #3742.*

MALVACEAE A.L. DE JUSSIEU 1789
Mallow Family

1. *Abutilon* P. Miller

1. *Abutilon theophrasti* Medicus – VELVETLEAF ‡. Roadside ditch; rare. [*Abutilon abutilon* (Linnaeus) Rusby]. *JKE #4433.*

2. *Corchorus* Linnaeus

1. *Corchorus hirtus* Linnaeus – HAIRY JUTE ‡. Moist, disturbed area on roadside; rare. [*Corchorus hirtus* Linnaeus var. *glabellus* Gray; *Corchorus orinocensis* Kunth]. *JKE* #3686, *JKE* #3747.

3. *Firmiana* Marsili

1. *Firmiana simplex* (Linnaeus) W. Wight – CHINESE PARASOL TREE ‡. Roadsides and disturbed areas; infrequent. [*Firmiana platanifolia* (Linnaeus f.) Schott & Endlicher; *Sterculia platanifolia* Linnaeus f.]. *JKE* #3743.

4. *Gossypium* Linnaeus

1. *Gossypium hirsutum* Linnaeus – UPLAND COTTON ‡. Fallow and cultivated fields; common. [*Gossypium herbaceum* auct. non Linnaeus]. *JKE* #3114.

5. *Hibiscus* Linnaeus

1. *Hibiscus laevis* Allioni – SMOOTH ROSE MALLOW. Marshes, riparian zones, and edges of backwaters; common. [*Hibiscus militaris* Cavanilles]. *JKE* #3081.
2. *Hibiscus moscheutos* Linnaeus – EASTERN ROSE MALLOW. Margins of swamps, marshes and riparian zones; common. [*Hibiscus incanus* Wendland f.; *Hibiscus moscheutos* Linnaeus ssp. *incanus* (Wendland f.) Ahles; *Hibiscus oculiroseus* Britton; *Hibiscus palustris* Linnaeus]. *JKE* #3010.
3. *Hibiscus syriacus* Linnaeus – ROSE OF SHARON ‡. Disturbed areas; infrequent. *JKE* #3749.

6. *Melochia* Linnaeus

1. *Melochia corchorifolia* Linnaeus – CHOCOLATE WEED ‡. Fallow fields; rare. *JKE* #2621.

7. *Modiola* Moench

1. *Modiola caroliniana* (Linnaeus) G. Don – BRISTLY MALLOW. Lawns, roadsides, and other disturbed areas; common. *JKE #1984*.

8. *Sida* Linnaeus

1. *Sida rhombifolia* Linnaeus var. *rhombifolia* – ARROWLEAF SIDA ‡. Fields, roadsides, gardens, and other disturbed areas; common. *JKE #1399*, *JKE #3025*, *JKE #4421*.
2. *Sida spinosa* Linnaeus – PRICKLY MALLOW ‡. Fields, roadsides, gardens, and other disturbed areas; common. *JKE #1129*.

9. *Tilia* Linnaeus

1. *Tilia americana* Linnaeus var. *caroliniana* (P. Miller) Castiglioni – SOUTHERN BASSWOOD. Bottomland woods near backwaters; common. [*Tilia australis* Small; *Tilia caroliniana* P. Miller; *Tilia floridana* Small; *Tilia leucocarpa* Ashe]. *JKE #784*.

MAZACEAE Reveal 2011
Mazus Family

1. *Mazus* Loureiro

1. *Mazus pumilus* (Burm. f.) Steenis – JAPANESE MAZUS ‡. Lawns and moist areas surrounding buildings; common. [*Mazus japonicus* (Thunberg) Kuntze]. *JKE #1818*.

MELASTOMATACEAE A.L. de Jussieu 1789
Melastome Family

1. *Rhexia* Linnaeus

1. *Rhexia mariana* Linnaeus var. *mariana* – MARYLAND MEADOW BEAUTY. Ditches, wet roadsides, and bottomland woodland openings; common. *JKE #909, JKE #2543, JKE #3016, JKE #3102, JKE #4452.*
2. *Rhexia nashii* Small – HAIRY MEADOW BEAUTY. Ditches and wet roadsides; rare. [*Rhexia mariana* Linnaeus var. *purpurea* Michaux]. *JKE #3734.*
3. *Rhexia virginica* Linnaeus – VIRGINIA MEADOW BEAUTY. Ditches and wet roadsides; common. [*Rhexia stricta* Pursh; *Rhexia virginica* Linnaeus var. *purshii* (Sprengel) C.W. James; *Rhexia virginica* Linnaeus var. *septemnervia* (Walter) Pursh]. *JKE #953, JKE #3015, JKE #3736.*

MELIACEAE A.L. de Jussieu 1789
Mahogany Family

1. *Melia* Linnaeus

1. *Melia azedarach* Linnaeus – CHINABERRY ‡. Fields, edge of woods, and other disturbed areas; common. *JKE #1154.*

MENISPERMACEAE A.L. de Jussieu 1789
Moonseed Family

1. *Calyocarpum* Nuttall ex Torrey & A. Gray

1. *Calyocarpum lyonii* (Pursh) A. Gray – CUPSEED. Floodplain forest, riparian zones, and mesic woodland edges; infrequent. *JKE #3203, JKE #3660.*

2. *Cocculus* A.P. de Candolle

1. *Cocculus carolinus* (Linnaeus) A.P. de Candolle – CAROLINA MOONSEED. Mesic to dry forests and disturbed areas with calcareous soils; common. [*Cebatha carolina* (Linnaeus) Britton; *Epibaterium carolinum* (Linnaeus) Britton]. *JKE*

#1006, JKE # 3007, JKE #3162.

MOLLUGINACEAE Hutchinson 1926

Carpetweed Family

1. *Mollugo* Linnaeus

1. *Mollugo verticillata* Linnaeus – CARPETWEED ‡. Fields, mudflats of backwaters, shorelines of rivers, and other disturbed areas; common. JKE #2950, JKE #3645.

MONTIACEAE Rafinesque 1820

Montia Family

1. *Claytonia* Linnaeus

1. *Claytonia virginica* Linnaeus var. *acutiflora* A.P. de Candolle – SOUTHERN SPRING BEAUTY. Mesic forests and lawns; common. [*Claytonia simsii* Sweet; *Claytonia virginica* Linnaeus var. *simsii* (Sweet) R.J. Davis]. JKE #1594.

MORACEAE Lindley 1847

Mulberry Family

1. *Broussonetia* L'Héritier ex Ventenat

1. *Broussonetia papyrifera* (Linnaeus) L'Héritier ex Ventenat – PAPER MULBERRY ‡. Roadsides, disturbed urban areas, and other disturbed areas; common. [*Papyrius papyriferus* (Linnaeus) Kuntze]. JKE #1155, JKE #3665.

2. *Maclura* Nuttall

1. *Maclura pomifera* (Rafinesque) C.K. Schneider – OSAGE ORANGE ‡. Fields, fencerows, and forest edges, typically in calcareous soils; common. [*Toxylon*

pomiferum Rafinesque ex Sargent]. *JKE #1028*.

3. *Morus* Linnaeus

1. *Morus alba* Linnaeus – WHITE MULBERRY ‡. Riparian zone of rivers and other disturbed areas; infrequent. [*Morus nigra* Linnaeus]. *JKE #3198*, *JKE #3240*.
2. *Morus rubra* Linnaeus – RED MULBERRY. Mesic woods and ravines; common. [*Morus murrayana* D.E Saar & S.J. Galla]. *JKE #4273*.

MYRICACEAE Blume 1829

Bayberry Family

1. *Morella* Loureiro

1. *Morella cerifera* (Linnaeus) Small – COMMON WAX MYRTLE. Moist woods and woodland edges; common. [*Cerothamnus ceriferus* (Linnaeus) Small; *Myrica cerifera* Linnaeus]. *JKE #996*, *JKE #1179*, *JKE #3854*.

NELUMBONACEAE Dumortier 1829

Lotus Lily Family

1. *Nelumbo* Adanson

1. *Nelumbo lutea* Willdenow – AMERICAN LOTUS LILY. Marshes and ponds; common. *JKE #3595*.

NYCTAGINACEAE A.L. de Jussieu 1789

Four O'Clock Family

1. *Mirabilis* Linnaeus

1. *Mirabilis albida* (Walter) Heimerl – WILD FOUR OCLOCK ☼ **S2/G5**. Exposed chalk on prairies; rare. [*Allionia albida* Walter; *Oxybaphus albidus* (Walter) Sweet].

JKE #1376.

NYSSACEAE A.L. de Jussieu ex Dumortier 1829
Tupelo Family

1. *Nyssa* Linnaeus

1. *Nyssa aquatica* Linnaeus – WATER TUPELO. Swamps; common. [*Nyssa uniflora* Wangenheim]. *JKE #3847.*
2. *Nyssa biflora* Walter – SWAMP TUPELO. Wet depressions, swamps; common. [*Nyssa sylvatica* Marshall var. *biflora* (Walter) Sargent]. *JKE #4426.*
3. *Nyssa sylvatica* Marshall – BLACK GUM. Dry to mesic upland forests; infrequent. *JKE #3024.*

OLEACEAE Hoffmanssegg & Link 1813
Olive Family

1. *Chionanthus* Linnaeus

1. *Chionanthus virginicus* Linnaeus – FRINGE TREE. Dry to mesic upland woods; infrequent. *JKE #1804.*

2. *Forestiera* Poiret

1. *Forestiera ligustrina* (Michaux) Poiret – SOUTHERN PRIVET. Upland forests; rare. [*Adelia ligustrina* Michaux]. *D.H. Burk 217 (UNA)*

3. *Fraxinus* Linnaeus

1. *Fraxinus americana* Linnaeus – WHITE ASH. Rich mesic woods and ravines, and prairie woods; common. [*Fraxinus americana* Linnaeus var. *curtissii* (Vasey) Small; *Fraxinus americana* Linnaeus var. *microcarpa* Gray]. *JKE #3509A, JKE*

#3632.

2. *Fraxinus caroliniana* P. Miller – WATER ASH. Bottomland and floodplain woods; infrequent. [*Fraxinus caroliniana* Miller var. *cubensis* (Grisebach) Lingelsh; *Fraxinus caroliniana* Miller var. *oblanceolata* (M.A. Curtis) Fernald & Schubert; *Fraxinus pauciflora* Nuttall]. *JKE* #3588.
3. *Fraxinus pennsylvanica* Marshall – GREEN ASH. Bottomland and mesic woods; common. [*Fraxinus darlingtonii* Britton; *Fraxinus lanceolata* Borkhausen; *Fraxinus pennsylvanica* Marshall var. *austinii* Fernald; *Fraxinus smallii* Britton]. *JKE* #1402.

4. *Ligustrum* Linnaeus

1. *Ligustrum lucidum* Aiton f. – GLOSSY PRIVET ‡. Multiple disturbed areas, typically in calcareous soils; common. *JKE* #941.
2. *Ligustrum sinense* Loureiro – CHINESE PRIVET ‡. Mesic to dry forests, alluvial bottomland forests, and disturbed areas; common. *JKE* #1026.

ONAGRACEAE A.L. de Jussieu 1789 Evening Primrose Family

1. *Ludwigia* Linnaeus

1. *Ludwigia alternifolia* Linnaeus – ALTERNATE LEAF SEEDBOX. Ditches, wet roadsides, and other disturbed wet areas; common. [*Ludwigia alternifolia* Linnaeus var. *linearifolia* Britton; *Ludwigia alternifolia* Linnaeus var. *pubescens* E.J. Palmer & Steyermark]. *JKE* #919A, *JKE* #3702, *JKE* #4443.
2. *Ludwigia decurrens* Walter – WINGSTEM WATER PRIMROSE. Ditches and swamps; common. [*Jussiaea decurrens* (Walter) A.P. de Candolle]. *JKE* #919, *JKE*

#927, JKE #3088.

3. *Ludwigia glandulosa* Walter – SMALL FLOWERED SEEDBOX. Low forests, marshes, ditches, and wet roadsides; common. JKE #1268, JKE #4438, JKE # 4455, JKE# 4456.
4. *Ludwigia grandiflora* (Michaux) Greuter & Burdet ssp. *hexapetala* (Hooker & Arnott) Nesom & Kartesz – COMMON WATERPRIMROSE ‡. In water along edge of lake; rare. [*Ludwigia grandiflora* (Michaux) Greuter & Burdet var. *hexapetala* (Hooker & Arnott) D. B. Ward; *Ludwigia hexapetala* (Hooker & Arnott) Zardini, Gu & Raven; *Ludwigia uruguayensis* (Cambessedes) Hara – pro parte]. JKE #3528.
5. *Ludwigia leptocarpa* (Nuttall) Hara – WATER WILLOW. Ditches, marshes, and riparian zones; common. [*Jussiaea leptocarpa* Nuttall; *Jussiaea pilosa* Humboldt, Bonpland & Kunth]. JKE #934.
6. *Ludwigia linearis* Walter – NARROWLEAF SEEDBOX. Marshes and disturbed wet areas; infrequent. JKE #918.
7. *Ludwigia microcarpa* Michaux – SMALL FRUITED SEEDBOX. Moist roadside ditch; rare. JKE #4345.
8. *Ludwigia palustris* (Linnaeus) Elliott – COMMON WATER PURSLANE. Moist or wet ditches, roadsides, or disturbed areas; common. [*Isnardia palustris* Linnaeus; *Ludwigia palustris* (Linnaeus) Elliott var. *americana* (A.P. de Candolle) Fernald & Griscom; *Ludwigia palustris* (Linnaeus) Elliott var. *nana* Fernald & Griscom]. JKE #2951, JKE #3076.
9. *Ludwigia peploides* (Kunth) Raven var. *glabrescens* (Kuntze) Shinnars – FLOATING

PRIMROSE WILLOW. Floating or creeping on banks of ponds or lakes; common. [*Jussiaea diffusa* auct. non Forsskål; *Jussiaea repens* Linnaeus var. *glabrescens* Kuntze; *Ludwigia peploides* (Humboldt, Bompland & Kunth) Raven var. *glabrescens* (Kuntze) Shinnery]. *JKE #2445*.

10. *Ludwigia repens* Forster – CREEPING SEEDBOX. Ditches, marshes, wet depressions and edges of streams; common. [*Isnardia repens* (J.R. Forster) A.P. de Candolle; *Ludwigia natans* Elliott] *JKE #3714*.

2. *Oenothera* Linnaeus

1. *Oenothera biennis* Linnaeus – COMMON EVENING PRIMROSE. Roadsides, fields, ditches, pastures, and other disturbed areas; common. [*Oenothera biennis* Linnaeus var. *pyncocarpa* (Atkinson & Bartlett) Wiegand; *Onagra biennis* (Linnaeus) Scopoli]. *JKE #2608*.
2. *Oenothera filiformis* (Small) W.L. Wagner & Hoch – LONG FLOWER BEEBLOSSOM. Roadsides and disturbed areas; rare. [*Gaura biennis* Linnaeus var. *pitcheri* Torrey & A. Gray; *Gaura filiformis* Small; *Gaura longiflora* Spach]. *R. Kral 33116 (VDB)*.
3. *Oenothera fruticosa* Linnaeus var. *fruticosa* – SOUTHERN SUNDROPS. Calcareous woods; rare. [*Kneiffia arenicola* Small; *Kneiffia brevistipata* (Pennell) Munz; *Kneiffia fruticosa* (Linnaeus) Raimann; *Kneiffia riparia* (Nuttall) Small; *Kneiffia semiglandulosa* Pennell; *Oenothera fruticosa* Linnaeus var. *humifusa* Allen; *Oenothera fruticosa* Linnaeus var. *linearis* (Michaux) S. Watson]. *JKE #4243*.
4. *Oenothera grandiflora* L'Héritier ex Aiton – LARGE FLOWER EVENING PRIMROSE. Ditches and roadsides in sandy soil; infrequent. *JKE #1195, JKE #4373*.

5. *Oenothera laciniata* Hill – CUTLEAF EVENING PRIMROSE. Ditches, roadsides, and other disturbed areas; common. [*Raimannia laciniata* (Hill) Rose]. *JKE* #1712.
6. *Oenothera simulans* (Small) W.L. Wagner & Hoch – SOUTHEASTERN GAURA. Roadsides, ditches, and disturbed areas; common. [*Gaura angustifolia* Michaux]. *JKE* #873.
7. *Oenothera speciosa* Nuttall – WHITE EVENING PRIMROSE ‡. Roadsides, fields, and other disturbed areas; common. [*Hartmannia speciosa* (Nuttall) Small; *Xylopleurum speciosum* (Nuttall) Raimann]. *JKE* #775, *JKE* #3006.

OROBANCHACEAE Ventenat 1799
Broomrape Family

1. *Agalinis* Rafinesque

1. *Agalinis heterophylla* (Nuttall) Small ex Britton – PRAIRIE FALSE FOXGLOVE ♣
S2/G4G5. Moist ditches and depressions on prairie; rare. [*Gerardia heterophylla* Nuttall]. *JKE* #3159.
2. *Agalinis purpurea* (Linnaeus) Pennell – PURPLE FALSE FOXGLOVE. Prairie savannahs, ditches and woodland edges; common. [*Gerardia purpurea* Linnaeus]. *JKE* #3152.
3. *Agalinis tenuifolia* (Vahl) Rafinesque var. *tenuifolia* – SLENDER LEAF FALSE FOXGLOVE. Prairie savannahs, ditches and woodland edges; common. [*Gerardia tenuifolia* Vahl]. *JKE* #1019, *JKE* #1184.

2. *Aureolaria* Rafinesque

1. *Aureolaria flava* (Linnaeus) Farwell – SMOOTH OAK LEECH. Roadside under powerline cut; infrequent. [*Dasistoma flava* (Linnaeus) Wood; *Gerardia flava*

Linnaeus var. *flava*; *Gerardia flava* Linnaeus var. *reticulata* (Rafinesque) Cory].
JKE #3168.

3. *Buchnera* Linnaeus

1. *Buchnera americana* Linnaeus – PRAIRIE BLUEHEARTS. Prairies and prairie savannahs; common. *JKE #1023, JKE #2459.*
2. *Buchnera floridana* Gandoger – SAVANNA BLUEHEARTS. Chalk outcrop on Blackland prairie; rare. [*Buchnera breviflora* Pennell]. *J.L. Thomas 2246* (UNA).

4. *Dasistoma* Rafinesque

1. *Dasistoma macrophylla* (Nuttall) Rafinesque – MULLEIN FOXGLOVE. Prairies along edge of calcareous woods; common. [*Seymeria macrophylla* Nuttall]. *JKE #3546, JKE #4353.*

5. *Epifagus* Nuttall

1. *Epifagus virginiana* (Linnaeus) W. Barton – BEECHDROPS. Mesic to dry forest under *Fagus grandifolia*; common. [*Leptamnium virginianum* (Linnaeus) Rafinesque]. *JKE #1385.*

6. *Pedicularis* Linnaeus

1. *Pedicularis canadensis* Linnaeus – EASTERN LOUSEWORT. Mesic slopes and ravines; rare. [*Pedicularis canadensis* Linnaeus var. *dobbsii* Fernald]. *R. Kral 19774* (VDB).

OXALIDACEAE R. Brown 1818

Wood Sorrel Family

1. *Oxalis* Linnaeus

1. *Oxalis articulata* Savigny in Lamarck – WINDOWBOX WOOD SORREL ‡. Lawns and urban roadsides; common. [*Oxalis rubra* St. Hilaire]. *JKE #1581*.
2. *Oxalis corniculata* Linnaeus – CREEPING LADYS SORREL ‡. Disturbed areas; common. [*Oxalis repens* Thunberg; *Xanthoxalis corniculata* (Linnaeus) Small; *Xanthoxalis langloisii* Small]. *J.L. Thomas 1960 (UNA)*.
3. *Oxalis dillenii* Jacquin – SOUTHERN YELLOW WOOD SORREL. Roadsides, lawns, pastures and other disturbed areas; common. [*Oxalis stricta* auct. non Linnaeus]. *JKE #4140*.
4. *Oxalis priceae* Small – SADIE PRICES YELLOW WOOD SORREL. Prairies and prairie savannahs; infrequent. [*Oxalis macrantha* (Trelease) Small; *Oxalis recurva* Elliott var. *macrantha* (Trelease) Wiegand; *Xanthoxalis hirsuticaulis* (Small) Small; *Xanthoxalis priceae* (Small) Small]. *JKE #1813*.
5. *Oxalis stricta* Linnaeus – COMMON YELLOW WOOD SORREL. Variety of habitats and disturbed areas; common. [*Oxalis cymosa* Small; *Oxalis europaea* Jordan var. *bushii* (Small) Wiegand; *Oxalis europaea* Jordan var. *europaea*; *Oxalis fontana* Bunge; *Xanthoxalis brittoniae* (Small) Small; *Xanthoxalis bushii* Small; *Xanthoxalis cymosa* (Small) Small; *Xanthoxalis rufa* (Small) Small; *Xanthoxalis stricta* (Linnaeus) Small]. *JKE #1691*.
6. *Oxalis violacea* Linnaeus – VIOLET WOOD SORREL. Dry to mesic forest and ravines; common. [*Oxalis violacea* var. *trichophora* Fassett; *Ionoxalis violacea* (Linnaeus) Small]. *JKE #1742*.

PAPAVERACEAE A.L. de Jussieu 1789
Poppy Family

1. *Sanguinaria* Linnaeus

1. *Sanguinaria canadensis* Linnaeus – BLOODROOT. Rich, mesic woods and north-facing ravines; rare. [*Sanguinaria canadensis* Linnaeus var. *rotundifolia* (Greene) Fedde]. *JKE #2661*.

PARNASSIACEAE Gray 1821

Grass of Parnassus Family

1. *Lepuropetalon* Elliott

1. *Lepuropetalon spathulatum* Elliott – PETITE PLANT ☉ **S1/G5**. Lawns and cemeteries with small, barren areas typically with sandy soils; rare. *JKE #1825*.

PASSIFLORACEAE A.L. de Jussieu ex Kunth 1817

Passionflower Family

1. *Passiflora* Linnaeus

1. *Passiflora incarnata* Linnaeus – MAYPOPS. Roadsides, fencerows, fields, and pastures; common. *JKE #3095*.
2. *Passiflora lutea* Linnaeus – EASTERN YELLOW PASSIONFLOWER. Woodland edges, mesic forests, and bottomland woods; infrequent. *JKE #1408*.

PAULOWNIACEAE Nakai 1949

Paulownia Family

1. *Paulownia* Siebold & Zuccarini

1. *Paulownia tomentosa* (Thunberg) Siebold & Zuccarini ex Steudel – PRINCESS TREE ☼. Roadsides, woodland & forest edges, roadcuts, and other disturbed areas; common. *JKE #3696*.

PENTHORACEAE Rydberg ex Britton 1901
Ditch Stonecrop Family

1. *Penthorum* Linnaeus

1. *Penthorum sedoides* Linnaeus – DITCH STONECROP. Wet ditches, moist forests, floodplain forests, and moist disturbed areas; common. *JKE #1410*.

PHRYMACEAE Schauer 1847
Lopseed Family

1. *Mimulus* Linnaeus

1. *Mimulus alatus* Aiton – WINGED MONKEY FLOWER. Marshes, riparian zone of rivers, bottomlands, and ditches; common. *JKE #3643*.

2. *Phryma* Linnaeus

1. *Phryma leptostachya* Linnaeus – AMERICAN LOPSEED. Rich, mesic slopes and ravines; infrequent. [*Phryma leptostachya* Linnaeus var. *confertifolia* Fernald].
JKE #3177.

PHYLLANTHACEAE Martinov 1820
Leaf Flower Family

1. *Phyllanthus* Linnaeus

1. *Phyllanthus caroliniensis* Walter *ssp. caroliniensis* – CAROLINA LEAF FLOWER. Disturbed areas; rare. *R. Kral 29601* (VDB).
2. *Phyllanthus urinaria* Linnaeus *ssp. urinaria* – CHAMBER BITTER ‡. Landscaped areas, gardens, and roadsides; rare. *JKE #2953*.

PHYTOLACCACEAE R. Brown 1818
Pokeweed Family

1. *Phytolacca* Linnaeus

1. *Phytolacca americana* Linnaeus – COMMON POKEWEED. Many different natural and disturbed habitats; common. [*Phytolacca decandra* Linnaeus]. *JKE* #2986.

PLANTAGINACEAE A.L. de Jussieu 1789
Plantain Family

1. *Callitriche* Linnaeus

1. *Callitriche heterophylla* Pursh var. *heterophylla* – GREATER WATER STARWORT. Marshes, slow moving streams, wet depressions, and ditches; common. *JKE* #1627.
2. *Callitriche nuttallii* Torrey – NUTTALLS WATER STARWORT. Low fields; rare. [*Callitriche pedunculosa* Nuttall]. *JKE* #1655.
3. *Callitriche peploides* Nuttall – MATTED WATER STARWORT. Low fields; rare. *JKE* #1654.

2. *Gratiola* Linnaeus

1. *Gratiola floridana* Nuttall – FLORIDA HEDGE HYSSOP. Bottomland and floodplain forests; common. *JKE* #4145.
2. *Gratiola neglecta* Torrey – MUD HYSSOP. Ditches, bottomlands, and other wet areas; common. *JKE* #1733.
3. *Gratiola virginiana* Linnaeus – VIRGINIA HEDGE HYSSOP. Slow moving streams, seeps, and other wet areas; common. *JKE* #1688, *JKE* #2553.

3. *Kickxia* Dumortier

1. *Kickxia elatine* (Linnaeus) Dumortier – SHARP LEAVED FLUELLEN ‡. Disturbed roadsides on exposed chalk; rare. First collection (16 Oct 2011) of this species in Alabama in at least 110 years. [*Elatinoides elatine* (Linnaeus) Wettstein]. *B. R. Keener 6779* (UWAL), *B. R. Keener 7300* (UWAL).

4. *Leucospora* Nuttall

1. *Leucospora multifida* (Michaux) Nuttall – NARROWLEAF PALESEED. Cracks in concrete, sandy riverbanks, edges of marshes and swamps, and other wet areas; common. [*Conobea multifida* (Michaux) Bentham]. *JKE #2936*, *JKE #3642*.

5. *Mecardonia* Ruiz & Pavón

1. *Mecardonia acuminata* (Walter) Small *var. acuminata* – COMMON AXIL FLOWER. Marshes, ditches and wet disturbed areas; common. [*Bacopa acuminata* (Walter) B.L. Robinson; *Monniera acuminata* (Walter) Kuntze; *Pagesia acuminata* (Walter) Pennell]. *JKE #917*.

6. *Nuttallanthus* D.A. Sutton

1. *Nuttallanthus canadensis* (Linnaeus) D.A. Sutton – COMMON TOADFLAX. Variety of habitats including natural and disturbed; common. [*Linaria canadensis* (Linnaeus) Dumortier]. *JKE #1714*.

7. *Penstemon* Schmidel

1. *Penstemon australis* Small – SOUTHERN BEARDTONGUE. Roadside slopes in sandy soils; common. *JKE #1882*.
2. *Penstemon laevigatus* Aiton – EASTERN BEARDTONGUE. Bottomland woods, roadsides, ditches, and forest edges; common. [*Penstemon penstemon* (Linnaeus) Britton]. *JKE #2423*, *JKE #4152*.

3. *Penstemon laxiflorus* Pennell – NODDING BEARDTONGUE. Roadside slopes; common. [*Penstemon australis* Small ssp. *laxiflorus* (Pennell) Bennett]. *JKE* #1882.
4. *Penstemon tenuiflorus* Pennell – LIMESTONE BEARDTONGUE. Chalky roadsides on prairie; rare. *Joab L. Thomas 2015* (UNA).

8. *Plantago* Linnaeus

1. *Plantago aristata* Michaux – BUCKHORN PLANTAIN. Dry roadsides and disturbed areas; common. *JKE* #2467.
2. *Plantago heterophylla* Nuttall – MANY SEEDED PLANTAIN. Lawns; rare. *JKE* #2326.
3. *Plantago lanceolata* Linnaeus – ENGLISH PLANTAIN ‡. Lawns, roadsides, ditches, and other disturbed areas; common. [*Plantago lanceolata* Linnaeus var. *angustifolia* Poiret; *Plantago lanceolata* Linnaeus var. *sphaerostachya* Mertens & Koch]. *JKE* #1697.
4. *Plantago major* Linnaeus – COMMON PLANTAIN ‡. Lawns, roadsides, and other disturbed areas; common. [*Plantago major* Linnaeus ssp. *pleiosperma* Pilger var. *paludosa* Béguinot; *Plantago major* Linnaeus ssp. *pleiosperma* Pilger var. *scopulorum* Fries & Broberg; *Plantago major* Linnaeus var. *scopulorum* Fries & Broberg]. *JKE* #2943.
5. *Plantago rugelii* Decaisne – AMERICAN PLANTAIN. Roadside and disturbed areas; common. *JKE* #4299.
6. *Plantago virginica* Linnaeus – VIRGINIA PLANTAIN. Roadsides, lawns, and other disturbed areas; common. [*Plantago virginica* Linnaeus var. *viridescens*

Fernald]. *JKE #1784, JKE #1886.*

9. *Veronica* Linnaeus

1. *Veronica arvensis* Linnaeus – CORN SPEEDWELL ‡. Lawns, fields, and other disturbed areas; common. *JKE #1582.*
2. *Veronica hederifolia* Linnaeus – IVYLEAF SPEEDWELL ‡. Lawns, fields, and other disturbed areas; common. *JKE #1567.*
3. *Veronica peregrina* Linnaeus var. *peregrina* – COMMON PURSLANE SPEEDWELL. Lawns, fields, and other disturbed areas; common. *JKE #1586, JKE #3441.*
4. *Veronica persica* Poiret – BIRDS EYE SPEEDWELL ‡. Lawns, fields, and other disturbed areas; common. *JKE #1575.*

PLATANACEAE Dumortier 1829

Plane Tree Family

1. *Platanus* Linnaeus

1. *Platanus occidentalis* Linnaeus – SYCAMORE. Riparian zones of streams, rivers, alluvial forests, and wet roadcuts; common. [*Platanus occidentalis* Linnaeus var. *glabrata* (Fernald) Sargent]. *JKE #2981.*

POLEMONIACEAE A.L. de Jussieu 1789

Jacobs Ladder Family

1. *Ipomopsis* Michaux

1. *Ipomopsis rubra* (Linnaeus) Wherry – STANDING CYPRESS. Prairies in thin soils to exposed chalk; rare. [*Gilia coronopifolia* (Willdenow) Persoon; *Gilia rubra* (Linnaeus) Heller]. *JKE #4289.*

2. *Phlox* Linnaeus

1. *Phlox amoena* Sims – HAIRY PHLOX. Roadside slope near woodland; infrequent.
JKE #2681.
2. *Phlox divaricata* Linnaeus – EASTERN BLUE PHLOX. Rich, mesic forests and ravines; common. *JKE #1633.*
3. *Phlox floridana* Bentham – FLORIDA PHLOX. Roadside slopes and woods with sandy soils; common. *JKE #1798, JKE #1881.*
4. *Phlox glaberrima* Linnaeus – SMOOTH PHLOX. Bottomland forests, woodlands, and moist roadside ditches; common. [*Phlox glaberrima* Linnaeus ssp. *interior* (Wherry) Wherry; *Phlox glaberrima* Linnaeus var. *interior* Wherry; *Phlox glaberrima* Linnaeus ssp. *triflora* (Michaux) Wherry; *Phlox glaberrima* Linnaeus var. *triflora* (Michaux) Reveal & Broome]. *JKE #772, JKE #3740, JKE #4420, JKE #4300.*
5. *Phlox pilosa* Linnaeus – DOWNY PHLOX. Dry to mesic forests and roadsides; common. *JKE #2501.*
6. *Phlox subulata* Linnaeus – MOSS PHLOX ‡. Lawns, landscaping and urban roadsides; rare. Escape or naturalized in our area. [*Phlox brittonii* Small; *Phlox subulata* Linnaeus ssp. *australis* (Wherry) Wherry; *Phlox subulata* Linnaeus var. *australis* Wherry; *Phlox subulata* Linnaeus ssp. *brittonii* (Small) Wherry; *Phlox subulata* Linnaeus var. *brittonii*; *Phlox subulata* Linnaeus var. *ciliata* Wherry; *Phlox subulata* Linnaeus var. *setacea* (Linnaeus) Brand]. *J.W. Harris s.n.* (UWAL).

POLYGALACEAE R. Brown 1814
Milkwort Family

1. *Asemeia* Rafinesque

1. *Asemeia grandiflora* (Walter) Small – SHOWY MILKWORT. Prairies; common.

[*Polygala grandiflora* Walter var. *grandiflora*]. *JKE* #1363, *JKE* #3511.

2. *Polygala* Linnaeus

1. *Polygala boykinii* Nuttall var. *boykinii* – BOYKINS MILKWORT. Prairies and

calcareous outcrops; common. *JKE* #1437, *JKE* #2076, *JKE* #3500.

2. *Polygala incarnata* Linnaeus – PINK MILKWORT. Woodlands; rare. [*Galypola*

incarnata (Linnaeus) Nieuwland]. *T. Henderson 167* (AUA).

3. *Polygala mariana* P. Miller – MARYLAND MILKWORT. Moist woodlands and

roadside ditches with acidic soils; common. [*Polygala harperi* Small]. *JKE*

#2516, *JKE* #2549, *JKE* #3670.

4. *Polygala nana* (Michaux) A.P. de Candolle – DWARF MILKWORT. Roadside slopes

with acidic, sandy soils; rare. [*Pylostachya nana* (Michaux) Rafinesque]. *JKE*

#2523.

5. *Polygala verticillata* Linnaeus var. *isocycla* Fernald – WHORLED MILKWORT.

Clearcuts, woodland edges, and roadsides with sandy soils; rare. [*Polygala*

pretzii Pennell; *Polygala verticillata* Linnaeus var. *isocycla* Fernald]. *JKE* #2998,

JKE #3669.

6. *Polygala verticillata* Linnaeus var. *verticillata* – WHORLED MILKWORT. Woodland

border; rare. [*Polygala pretzii* Pennell]. *J. L. Thomas 2013* (UNA).

POLYGONACEAE A.L. de Jussieu 1789

Smartweed Family

1. *Brunnichia* Banks ex Gaertner

1. ***Brunnichia ovata*** (Walter) Shinnars – BUCKWHEAT VINE. Edges of bottomland woods, roadsides and ditches near streams and rivers; common. [*Brunnichia cirrhosa* Gaertner]. *JKE #962, JKE #3586.*

2. ***Persicaria*** P. Miller

1. ***Persicaria glabra*** (Willdenow) M. Gómez – DENSE FLOWER SMARTWEED. Shallows near edge of lake; rare. [*Persicaria densiflora* (Meisner) Moldenke; *Persicaria portoricensis* (Bertero ex Small) Small; *Polygonum densiflorum* Meisner; *Polygonum glabrum* Willdenow; *Polygonum portoricense* Bertero ex Small]. *JKE #3529.*
2. ***Persicaria hydropiper*** (Linnaeus) Opiz – COMMON SMARTWEED ‡. Wet ditches, fields, and marshes; common. [*Polygonum hydropiper* Linnaeus]. *JKE #1144.*
3. ***Persicaria hydropiperoides*** (Michaux) Small – WATERPEPPER. Marsh, ditches, and swamp forests; common. [*Persicaria hydropiperoides* (Michaux) Small var. *opelousana* (Riddell ex Small) J.S. Wilson; *Persicaria opelousana* (Riddell ex Small) Small; *Polygonum hydropiperoides* var. *opelusanum* (Riddell ex Small) Riddell ex W. Stone; *Polygonum hydropiperoides* Michaux; *Polygonum opelusanum* Riddell ex Small]. *JKE #4442.*
4. ***Persicaria lapathifolia*** (Linnaeus) S.F. Gray – WILLOW WEED. Bottomland forests, fields, and other wet disturbed areas; common. [*Polygonum incarnatum* Elliott; *Polygonum lapathifolium* Linnaeus]. *JKE #1379.*
5. ***Persicaria longiseta*** (de Bruijn) Kitagawa – LONGBRISTLED SMARTWEED ‡. Bottomland forests, fields, and other wet disturbed areas; common. [*Polygonum cespitosum* Blume var. *longisetum* (de Bruijn) A.N. Steward]. *JKE #1185, JKE*

#1277.

6. *Persicaria setacea* (Baldwin) Small – SWAMP SMARTWEED. Bottomland forests, fields, and other wet disturbed areas; common. [*Polygonum hydropiperoides* Michaux var. *setaceum* (Baldwin) Gleason; *Polygonum setaceum* Baldwin ex Elliott var. *interjectum* Fernald; *Polygonum setaceum* Baldwin ex Elliott var. *setaceum*; *Polygonum setaceum* var. *tonsum* Fernald]. *JKE #3682, JKE #3718.*
7. *Persicaria virginiana* (Linnaeus) Gaertner – JUMPSEED. Floodplains and bottomland forests; common. [*Tovara virginiana* (Linnaeus) Rafinesque]. *JKE #3072.*

3. *Polygonum* Linnaeus

1. *Polygonum aviculare* Linnaeus ssp. *depressum* (Meisner) Arcangeli – DOORYARD KNOTWEED ‡. Lawns, fields, and other moist disturbed areas; infrequent. [*Polygonum arenastrum* Jordan ex Boreau; *Polygonum aviculare* Linnaeus var. *arenastrum* (Jordan ex Boreau) Rouy]. *JKE #3029.*

4. *Rumex* Linnaeus

1. *Rumex crispus* Linnaeus ssp. *crispus* – CURLY DOCK ‡. Fields, ditches, roadsides, pastures, and other disturbed areas; common. *JKE #1702, JKE #2529.*
2. *Rumex hastatulus* Baldwin – WILD DOCK. Fields, roadsides, ditches, and other disturbed areas; common. [*Acetosa hastatula* (Baldwin) Á. Löve]. *JKE #1759, JKE #2526.*
3. *Rumex pulcher* Linnaeus – FIDDLE DOCK ‡. Bottomland fields, forests, and other disturbed areas; common. *JKE #2518.*

PORTULACACEAE A.L. de Jussieu 1789 Purslane Family

1. *Portulaca* Linnaeus

1. *Portulaca oleracea* Linnaeus – COMMON PURSLANE ‡. Gardens, gravelly roadsides, sidewalks, parking lots, and other disturbed areas; common. *JKE #2968*.
2. *Portulaca pilosa* Linnaeus – KISS ME QUICK. Disturbed sandy or gravelly soils; common. *JKE #3641*.

PRIMULACEAE Ventenat 1799
Primrose Family

1. *Hottonia* Linnaeus

1. *Hottonia inflata* Elliott – FEATHERFOIL ☼ **S2/G4**. Floating in waters of *Taxodium* swamp; rare. Only one population found in county during 2008. Site was visited each year since initial collection with no additional plants visible. *JKE #781*.

2. *Lysimachia* Linnaeus

1. *Lysimachia lanceolata* Walter – LANCELEAF LOOSESTRIFE. Forests and forest edges; rare. [*Steironema lanceolatum* (Walter) Gray; *Steironema heterophyllum* (Michaux) Baudo]. *T. Henderson 149* (AUA).
2. *Lysimachia minima* (Linnaeus) U. Manns & A. Anderberg – CHAFFWEED. Mudflats and ditches; rare. [*Centunculus minimus* Linnaeus; *Anagallis minima* (Linnaeus) Krause]. *JKE #3432*.

3. *Samolus* Linnaeus

1. *Samolus parviflorus* Rafinesque – WATER PIMPERNEL. Stream banks in sandy sediments; infrequent. [*Samolus floribundus* Kunth; *Samolus valerandi* Linnaeus ssp. *parviflorus* (Rafinesque) Hultén]. *JKE #2479*.

RANUNCULACEAE A.L. de Jussieu 1789
Buttercup Family

1. *Actaea* Linnaeus

1. *Actaea pachypoda* Elliott – WHITE BANEBERRY. Rich, mesic ravines; rare. [*Actaea alba* auct. non (Linnaeus) Miller]. *JKE #1740*.

2. *Anemone* Linnaeus

1. *Anemone acutiloba* (A.P. de Candolle) G. Lawson – SHARP LOBED HEPATICA. Rich, mesic ravines; infrequent. [*Hepatica acutiloba* A.P. de Candolle; *Hepatica nobilis* P. Miller var. *acuta* (Pursh) Steyermark; *Hepatica acuta* (Pursh) Britton]. *JKE #1634*.
2. *Anemone americana* (A.P. de Candolle) H. Hara – ROUND LOBED HEPATICA. Rich, mesic ravines; rare. [*Hepatica americana* (A.P. de Candolle) Ker-Gawler; *Hepatica nobilis* P. Miller var. *obtusa* (Pursh) Steyermark; *Hepatica hepatica* (Linnaeus) Karsten]. *R. Kral 66729 (TROY)*.
3. *Anemone berlandieri* Pritzl – EASTERN PRAIRIE ANEMONE. Prairies, lawns, roadsides, ditches, and forests with calcareous soils; common. [*Anemone caroliniana* Walter; *Anemone decapetala* auct. non Arduino]. *JKE #1624*.
4. *Anemone coronaria* L. – LILIES OF THE FIELD ‡. Lawns and old homesites; rare outside of cultivation. *B.R. Keener 5691 (UWAL)*.
5. *Anemone virginiana* Linnaeus var. *virginiana* – TALL ANEMONE. Rich, mesic woods; common. *JKE #3435A, JKE #3542*.

3. *Clematis* Linnaeus

1. *Clematis crispa* Linnaeus – MARSH CLEMATIS. Marshes, swamps, floodplain forests, and wet disturbed areas; rare. [*Clematis crispa* Linnaeus var. *walteri* Pursh;

Viorna crisper (Linnaeus) Small; *Viorna obliqua* Small]. *J.W. Harris s.n.*
(UWAL), *R. Kral 94144* (VDB), *JKE #4448A*.

2. *Clematis reticulata* Walter – NET LEAF LEATHER FLOWER. Dry, sandy woodlands; infrequent. [*Viorna reticulata* (Walter) Small; *Viorna subreticulata* Harbison ex Small]. *JKE #3691*, *JKE #4281*.
3. *Clematis sp. nov.* – PRAIRIE LEATHER FLOWER. Mesic slopes near streams and backwaters on prairie; rare. *JKE #4281*, *JKE #4448B*.
4. *Clematis terniflora* A.P. de Candolle – SWEET AUTUMN CLEMATIS ‡. Disturbed areas; infrequent. [*Clematis dioscoreifolia* Léveillé & Vaniot; *Clematis dioscoreifolia* Léveillé & Vaniot var. *robusta* Carrière & Rehder; *Clematis paniculata* Thunberg]. *JKE #3841*.
5. *Clematis virginiana* Linnaeus – VIRGINS BOWER. Moist forests and woodlands; common. *JKE #961*.

4. *Delphinium* Linnaeus

1. *Delphinium alabamicum* Kral – ALABAMA LARKSPUR ☉ S2/G2. Prairie woods; rare. Alabama endemic only known from the Blackland Prairie and Moulton Valley geologic provinces. Also scattered populations near relic limestone glades in eastern Alabama. *JKE #2074*; *JKE #2444*.
2. *Delphinium carolinianum* Walter ssp. *carolinianum* – PRAIRIE LARKSPUR. Edge of prairie woods and savannas; rare. *JKE #4271*.

5. *Myosurus* Linnaeus

1. *Myosurus minimus* Linnaeus – MOUSETAIL. Mudflats, fields, and other disturbed areas; common. *JKE #3429*.

6. *Ranunculus* Linnaeus

1. *Ranunculus abortivus* Linnaeus – KIDNEYLEAF BUTTERCUP. Low fields, bottomland woods, lawns, and roadsides; common. [*Ranunculus abortivus* Linnaeus var. *indivisus* Fernald]. *JKE #3242, JKE #4164.*
2. *Ranunculus carolinianus* A.P. de Candolle – CAROLINA BUTTERCUP. Along railroad tracks on Blackland Prairie; rare. [*Ranunculus hispidus* Michaux var. *nitidus* (Elliott) T. Duncan; *Ranunculus palmatus* Elliott; *Ranunculus septentrionalis* Poiret]. *D. D. Spaulding 11832 (UNA).*
3. *Ranunculus fascicularis* Muhlenberg ex Bigelow – THICK ROOT BUTTERCUP. Prairie woods, savannas, and lawns & disturbed areas associated with calcareous soils; common. *JKE #1580, JKE #3243, JKE #3245.*
4. *Ranunculus hispidus* Michaux – HAIRY BUTTERCUP. Bottomland forests, rich mesic forests, and woodlands; common. [*Ranunculus hispidus* Michaux var. *eurylobus* L. Benson; *Ranunculus hispidus* Michaux var. *falsus* Fernald; *Ranunculus hispidus* Michaux var. *marilandicus* (Poiret) L. Benson]. *JKE #1734.*
5. *Ranunculus muricatus* Linnaeus – SPINY FRUIT BUTTERCUP ‡. Ditches and roadsides; common. *JKE #1815.*
6. *Ranunculus parviflorus* Linnaeus – SMALL FLOWERED BUTTERCUP ‡. Ditches and roadsides; common. *JKE #2263.*
7. *Ranunculus platensis* Sprengel – PRAIRIE BUTTERCUP ‡. Cracks in sidewalk, lawns, and ditches; rare. *JKE #4082.*
8. *Ranunculus pusillus* Poiret – LOW SPEARWORT. Marshes, ditches, and other wet areas; common. [*Ranunculus pusillus* Poiret var. *angustifolius* (Engelmann) L.

Benson; *Ranunculus pusillus* Poirét var. *lindheimeri* (Engelmann) Gray;
Ranunculus lindheimeri Engelmann; *Ranunculus oblongifolius* Elliott;
Ranunculus tener C. Mohr]. *JKE #1689, JKE #3440.*

9. ***Ranunculus recurvatus*** Poirét var. ***recurvatus*** – HOOKED BUTTERCUP. Bottomland forests, swamp forests, and mesic ravines; common. [*Ranunculus recurvatus* Poirét var. *adpressipilis* Weatherby]. *JKE #1893.*
10. ***Ranunculus sardous*** Crantz – SARDINIAN BUTTERCUP ‡. Fields, roadsides, lawns, and other moist disturbed areas; common. [*Ranunculus parvulus* Linnaeus]. *JKE #1704.*

7. ***Thalictrum*** Linnaeus

1. ***Thalictrum debile*** Buckley – SOUTHERN MEADOW RUE ☉ S2/G2. Rich, floodplain woods; rare. *JKE #2663.*
2. ***Thalictrum thalictroides*** (Linnaeus) Eames & Boivin – RUE ANEMONE. Rich, mesic slopes and ravines; infrequent. [*Anemonella thalictroides* (Linnaeus) Spach; *Syndesmon thalictroides* (Linnaeus) Hoffmannsegg ex Britton]. *JKE #2674.*

8. ***Xanthorhiza*** Marshall

1. ***Xanthorhiza simplicissima*** Marshall – YELLOWROOT. Riparian zone of streams; rare. [*Zanthorhiza apiifolia* L'Heritier]. *JKE #3220.*

RHAMNACEAE A.L. de Jussieu 1789 Buckthorn Family

1. ***Berchemia*** Necker

1. ***Berchemia scandens*** (Hill) K. Koch – AMERICAN RATTAN. Bottomland forests, riparian zones, forest and woodland edges, and dry woods; common. *JKE #1004.*

2. *Ceanothus* Linnaeus

1. *Ceanothus americanus* Linnaeus var. *americanus* – COMMON NEW JERSEY TEA.

Woodland edges and dry woodlands; rare. *R. Kral 42948* (UNA).

3. *Frangula* P. Miller

1. *Frangula caroliniana* (Walter) A. Gray – CAROLINA BUCKTHORN. Prairie woods,

dry woodlands and forest edges; common. [*Rhamnus caroliniana* Walter]. *JKE*

#1002.

4. *Rhamnus* Linnaeus

1. *Rhamnus lanceolata* Pursh var. *glabrata* Gleason – WESTERN LANCE LEAVED

BUCKTHORN ♀ S2/G5. Prairies along fence row and woodland edges; rare.

[*Rhamnus lanceolata* Pursh var. *glabrata* Gleason]. *JKE #1005*.

5. *Ziziphus* P. Miller

1. *Ziziphus zizyphus* (Linnaeus) Karsten – CHINESE JUJUBE ‡. Disturbed urban areas

on prairie; infrequent. [*Ziziphus jujuba* Miller]. *JKE #3634*.

ROSACEAE A.L. de Jussieu 1789

Rose Family

1. *Agrimonia* Linnaeus

1. *Agrimonia microcarpa* Wallroth – LOW AGRIMONY. Dry to mesic forests; rare.

[*Agrimonia platycarpa* Wallroth; *Agrimonia pubescens* Wallroth var. *microcarpa*

(Wallroth) Ahles; *Agrimonia pumila* Muhlenberg ex Bicknell]. *J.L. Thomas 2244*

(UNA).

2. *Crataegus* Linnaeus

1. *Crataegus crus-galli* Linnaeus – COCKSPUR HAWTHORN. Thickets, forests, fencerows, and disturbed woodlands; rare. [*Crataegus algens* Beadle; *Crataegus arborea* Beadle; *Crataegus crus-galli* Linnaeus var. *pyracanthifolia* Aiton; *Crataegus linnophylla* Sargent; *Crataegus pyracanthoides* (Aiton) Beadle; *Crataegus signata* Beadle]. *H.D. Moore 690-69* (AUA).
2. *Crataegus flava* Aiton – YELLOW HAWTHORN. Upland, dry woods; rare. *JKE #3766, JKE #3900*.
3. *Crataegus marshallii* Eggleston – PARSLEY HAWTHORN. Bottomland and alluvial forests to dry & mesic forests; common. [*Crataegus apiifolia* (Marshall) Michaux]. *JKE #1762*.
4. *Crataegus spathulata* Michaux – LITTLEHIP HAWTHORN. Bottomland forests and upland woods; common. *JKE #1405, JKE #1885*.
5. *Crataegus triflora* Chapman – THREEFLOWER HAWTHORN. Mesic ravines and upper slopes; rare. [*Crataegus austromontana* Beadle]. *R. Lance s.n.* (TROY).
6. *Crataegus uniflora* Muenchhausen – ONEFLOWER HAWTHORN. Upland forests, roadsides, and other disturbed areas; rare. [*Crataegus arenicola* Ashe; *Crataegus armentalis* Beadle; *Crataegus bisulcata* Ashe; *Crataegus brittonii* Eggleston; *Crataegus gregalis* Beadle; *Crataegus parvifolia* Aiton; *Crataegus raleighensis* Ashe; *Crataegus rhodella* Ashe; *Crataegus trianthophora* Sargent]. *R. B. Reynolds 28* (UWAL).

3. *Fragaria* Linnaeus

1. *Fragaria virginiana* P. Miller – WILD STRAWBERRY. Roadsides, pastures, fields, woodlands, and grasslands; rare. [*Fragaria australis* (Rydberg) Rydberg;

Fragaria grayana Vilmorin ex J. Gay; *Fragaria virginiana* Duchesne ssp. *grayana* (Vilmorin ex J. Gay) Staudt; *Fragaria virginiana* Duchesne var. *australis* Rydberg; *Fragaria virginiana* Duchesne var. *illinoensis* (Prince) Gray]. *J.W. Harris s.n.* (UWAL).

4. *Geum* Linnaeus

1. *Geum canadense* Jacquin – WHITE AVENS. Mesic forest slopes and bottomland forests; common. [*Geum canadense* Jacquin var. *brevipes* Fernald; *Geum canadense* Jacquin var. *camporum* (Rydberg) Fernald & Weatherby; *Geum canadense* var. *grimesii* Fernald & Weatherby]. *JKE #2425, JKE #3536.*

5. *Malus* P. Miller

1. *Malus angustifolia* (Aiton) Michaux – WILD CRABAPPLE. Upland forest and woodland edges; rare. [*Pyrus angustifolia* Aiton var. *angustifolia*; *Pyrus angustifolia* Aiton var. *spinosa* (Rehder) L.H. Bailey]. *JKE #4739.*

6. *Photinia* Lindley

1. *Photinia serratifolia* (Desfontaines) Kalkman – TAIWANESE REDTIP ‡. Urban woods, lawns, old homesites, and other disturbed areas; infrequent. [*Photinia serrulata* Lindley]. *JKE #3648.*

7. *Potentilla* Linnaeus

1. *Potentilla indica* (Andrews) T. Wolf – INDIAN STRAWBERRY ‡. Lawns, gardens and other disturbed areas; common. [*Duchesnea indica* (Andrews) Focke; *Fragaria indica* Andrzejowski]. *JKE #1686.*
2. *Potentilla simplex* Michaux – OLD FIELD FIVE FINGERS. Woodlands, fields, and other disturbed areas; common. [*Potentilla simplex* Michaux var. *argyrisma*

Fernald; *Potentilla simplex* Michaux var. *calvescens* Fernald]. *JKE* #4153A.

8. *Prunus* Linnaeus

1. *Prunus angustifolia* Marshall – CHICKASAW PLUM. Roadsides, fence rows, and other disturbed areas; common. *JKE* #1628.
2. *Prunus caroliniana* (P. Miller) Aiton – CAROLINA LAUREL CHERRY. Roadsides, riparian zones, fence rows, and other disturbed areas; common. [*Laurocerasus caroliniana* (P. Miller) M. Roemer]. *JKE* #1273, *JKE* #3858.
3. *Prunus cerasifera* Ehrhart – CHERRY PLUM ‡. Old homesites and lawns; infrequent. *JKE* #4744.
4. *Prunus mexicana* S. Watson – MEXICAN PLUM. Bottomland forests and mesic woodlands; common. [*Prunus americana* Marshall var. *lanata* Sudw.]. *JKE* #770, *JKE* #3066.
5. *Prunus persica* (Linnaeus) Batsch – PEACH ‡. Fence rows, fields, and other disturbed areas; common. [*Amygdalus persica* Linnaeus]. *JKE* #3239.
6. *Prunus serotina* Ehrhart var. *serotina* – BLACK CHERRY. Dry to mesic forests and woodlands; common. [*Prunus serotina* Ehrhart var. *neomontana* (Small) Sudw.]. *JKE* #2490.
7. *Prunus umbellata* Ehrhart – FLATWOODS PLUM. Dry, upland woods; rare. [*Prunus mitis* Beadle; *Prunus injuncunda* Small; *Prunus umbellata* Elliott var. *injuncunda* (Small) Sargent]. *JKE* #3856.

9. *Pyracantha* M.J. Roemer

1. *Pyracantha koidzumii* (Hayata) Rehder – FORMOSAN FIRETHORN ‡. Prairies woodlands, fence rows, and other disturbed areas; common. *JKE* #1018.

10. *Pyrus* Linnaeus

1. *Pyrus calleryana* Decaisne – BRADFORD PEAR ‡. Fields, roadsides, lawns, old home sites and other disturbed areas; common. *JKE #2667*.
2. *Pyrus communis* Linnaeus – COMMON PEAR ‡. Old home sites, roadsides, fields, and lawns; common. *JKE #4741*.

11. *Rosa* Linnaeus

1. *Rosa bracteata* J.C. Wendland – CHICKASAW ROSE ‡. Prairies, savannas, and woodlands associated with calcareous soils; common. *JKE #2450*.
2. *Rosa carolina* Linnaeus *ssp. carolina* – CAROLINA ROSE. Upland woods, fields, roadsides, and disturbed areas; common. [*Rosa carolina* Linnaeus var. *grandiflora* (Baker) Rehder; *Rosa carolina* Linnaeus *ssp. subserrulata* (Rydberg) W.H. Lewis; *Rosa carolina* Linnaeus var. *villosa* (Best) Rehder; *Rosa humilis* Marshall; *Rosa lyonii* Pursh; *Rosa serrulata* Rafinesque; *Rosa subserrulata* Rydberg]. *JKE #2500*.
3. *Rosa chinensis* Thunberg – CHINESE ROSE ‡. Old home sites, fence rows, roadsides and other disturbed areas; infrequent. *JKE #3436*.
4. *Rosa multiflora* Thunberg ex Murray – MULTIFLORA ROSE ‡. Old home sites, fence rows, roadsides and other disturbed areas; common. *JKE #1888*.

12. *Rubus* Linnaeus

1. *Rubus pensilvanicus* Poiret – PENNSYLVANIA BLACKBERRY. Roadsides, thickets, and woodlands; common. [*Rubus argutus* Link]. *JKE #1797*, *JKE #1937*, *JKE #4294*.
2. *Rubus trivialis* Michaux – SOUTHERN DEWBERRY. Roadsides, thickets, and

woodlands; common. [*Rubus continentalis* (Focke) Bailey; *Rubus lucidus* Rydberg; *Rubus rubrisetus* Rydberg]. *JKE* #1692, *JKE* #3244.

13. *Spiraea* Linnaeus

1. *Spiraea prunifolia* Siebold & Zuccarini – BRIDAL WREATH SPIRAEA ‡. Urban woods, roadsides, and cemeteries; infrequent. *JKE* #2649.

RUBIACEAE A.L. de Jussieu 1789

Madder Family

1. *Cephalanthus* Linnaeus

1. *Cephalanthus occidentalis* Linnaeus – BUTTONBUSH. Riparian zones, marshes, swamps, and wet roadsides; common. [*Cephalanthus occidentalis* Linnaeus var. *pubescens* Rafinesque]. *JKE* #2548.

2. *Diodia* Linnaeus

1. *Diodia virginiana* Linnaeus – VIRGINIA BUTTONWEED. Wet ditches, roadsides, pond edges, and other wet areas; common. [*Diodia hirsuta* Pursh; *Diodia tetragona* Walter; *Diodia virginiana* Linnaeus var. *attenuata* Fernald; *Diodia virginiana* Linnaeus var. *latifolia* Torrey & Gray; *Diodia harperi* Small; *Diodia hirsuta* Pursh; *Diodia tetragona* Walter]. *JKE* #910, *JKE* #2929.

3. *Galium* Linnaeus

1. *Galium anglicum* Hudson – ENGLISH BEDSTRAW ‡. Roadsides and other disturbed areas; common. [*Galium parisiense* Linnaeus var. *leiocarpum* Tausch]. *JKE* #3571.
2. *Galium aparine* Linnaeus – CLEAVERS. Forests, roadsides, thickets, and disturbed areas; common. [*Galium aparine* Linnaeus var. *echinospermum* (Wallroth)

- Farwell]. *JKE #1589, JKE #1941.*
3. *Galium circaezans* Michaux var. *circaezans* – SOUTHERN FOREST BEDSTRAW.
Mesic forests; common. [*Galium circaezans* Michaux var. *hypomalacum*
Fernald]. *JKE #2945, JKE #3422.*
 4. *Galium divaricatum* Hudson – WALL BEDSTRAW ‡. Prairies and disturbed areas;
common. [*Galium parisiense* Linnaeus var. *divaricatum* (Pourret ex Lamarck)
Visiani]. *JKE #2480, JKE #3052.*
 5. *Galium obtusum* Bigelow var. *obtusum* – BLUNTLEAF BEDSTRAW. Swampy woods
and marshes; common. *JKE #1939*
 6. *Galium orizabense* Hemsley ssp. *laevicaule* (Weatherby & Blake) Dempster –
SMOOTHSTEM BEDSTRAW. Mesic to dry forests; rare. [*Galium pilosum* Aiton
var. *laevicaule* Weatherby & Blake]. *JKE #3837.*
 7. *Galium pedemontanum* (Bellardi) Allioni – PIEDMONT BEDSTRAW ‡. Roadsides
and disturbed areas; rare. [*Cruciata pedemontana* (Bellardi) Ehrendorfer]. *JKE*
#4172.
 8. *Galium pilosum* Aiton var. *pilosum* – HAIRY BEDSTRAW. Edge of forests, roadsides,
and woodlands; infrequent. [*Galium pilosum* Aiton var. *puncticulosum*
(Michaux) Torrey & Gray]. *JKE #3733.*
 9. *Galium parisiense* Linnaeus – WALL BEDSTRAW ‡. Roadside and other disturbed
areas; common. *JKE #2480.*
 10. *Galium sherardia* E.H.L. Krause – FIELD MADDER ‡. Lawns, fields, and disturbed
areas; common. [*Sherardia arvensis* Linnaeus]. *JKE #1576.*
 11. *Galium uniflorum* Michaux – ONE FLOWERED BEDSTRAW. Mesic forests; rare.

JKE #3708, JKE #4369.

12. *Galium virgatum* Nuttall – OZARK BEDSTRAW. Prairies; rare. [*Galium virgatum* var. *leiocarpum* Torrey & A. Gray]. *JKE #4245.*

4. *Houstonia* Linnaeus

1. *Houstonia caerulea* Linnaeus – QUAKER LADIES. Mesic forests; rare. [*Hedyotis caerulea* (Linnaeus) Hooker]. *JKE #3237.*
2. *Houstonia micrantha* (Shinners) Terrell – SOUTHERN BLUET. Lawns, roadsides, and disturbed areas; common. [*Hedyotis australis* W.H. Lewis & D.M. Moore; *Hedyotis crassifolia* Rafinesque var. *micrantha* Shinners]. *JKE #2262.*
3. *Houstonia nigricans* (Lamarck) Fernald var. *nigricans* – DIAMOND FLOWER. Exposed chalk and thicker soils on prairies; common. [*Hedyotis nigricans* (Lamarck) Fosberg; *Houstonia angustifolia* Michaux; *Houstonia filifolia* (Chapman) Small; *Stenaria nigricans* (Lamarck) Terrell]. *JKE #874, JKE #2611, JKE #2484.*
4. *Houstonia procumbens* (Walter ex J.F. Gmelin) Standley – CREEPING BLUET. Clearcuts in sandy soils; rare. [*Hedyotis procumbens* (Walter ex J.F. Gmelin) Fosberg; *Houstonia rotundifolia* Michaux]. *JKE #3219, JKE #3249.*
5. *Houstonia purpurea* Linnaeus var. *calycosa* Shuttleworth ex A. Gray – MIDWESTERN SUMMER BLUET. Prairies and prairie woodland borders; common. [*Houstonia lanceolata* (Poiret) Britton, *Hedyotis purpurea* (Linnaeus) Torrey & A. Gray var. *calycosa* (Shuttleworth ex A. Gray) Fosberg]. *JKE #1811.*
6. *Houstonia pusilla* Schoepf – TINY BLUET. Lawns, roadsides, and disturbed areas; common. [*Hedyotis crassifolia* Rafinesque; *Houstonia minima* Beck; *Houstonia*

minor (Michaux) Britton; *Houstonia patens* Elliott]. *JKE* #1610, *JKE* #3218.

7. ***Houstonia rosea*** (Rafinesque) Terrell – ROSE BLUET. Lawns and sports fields; rare. [*Hedyotis rosea* Rafinesque; *Houstonia pygmaea* C.H. & M.T. Muller]. *JKE* #2261.

5. ***Mitchella*** Linnaeus

1. ***Mitchella repens*** Linnaeus – PARTRIDGE BERRY. Riparian zones and moist forests; common. *JKE* #1631.

6. ***Oldenlandia*** Linnaeus

1. ***Oldenlandia boscii*** (A.P. de Candolle) Chapman – BOSC'S BLUET. Moist disturbed areas and bottomland woods; common. [*Hedyotis boscii* A.P. de Candolle]. *JKE* #920.
2. ***Oldenlandia uniflora*** Linnaeus – OLDENLANDIA. Moist disturbed areas and bottomland woods; common. [*Hedyotis uniflora* (Linnaeus) Lamarck; *Oldenlandia littoralis* C. Mohr; *Oldenlandia fasciculata* (Bertoloni) Small; *Oldenlandia uniflora* Linnaeus var. *fasciculata* (Bertoloni) D. B. Ward]. *JKE* #1250.

7. ***Richardia*** Linnaeus

1. ***Richardia scabra*** Linnaeus – ROUGH MEXICAN CLOVER ‡. Roadsides and disturbed areas; common. *JKE* #1200, *JKE* #3112.

8. ***Spermacoce*** Linnaeus

1. ***Spermacoce glabra*** Michaux – SMOOTH BUTTONWEED. Edge of backwaters and wet ditches; common. *JKE* #3518.

RUTACEAE A.L. de Jussieu 1789
Citrus Family

1. *Citrus* Linnaeus

1. *Citrus trifoliata* Linnaeus – TRIFOLIATE ORANGE ‡. Thickets and bottomland forests; common. [*Poncirus trifoliata* (Linnaeus) Rafinesque]. *JKE #1760*.

2. *Ptelea* Linnaeus

1. *Ptelea trifoliata* Linnaeus – HOP TREE. Riparian zones and roadsides in calcareous soils; infrequent. [*Ptelea baldwinii* Torrey & Gray; *Ptelea microcarpa* Small; *Ptelea serrata* Small; *Ptelea trifoliata* Linnaeus ssp. *trifoliata* var. *trifoliata*]. *JKE #3525*.

3. *Zanthoxylum* Linnaeus

1. *Zanthoxylum clava-herculis* Linnaeus – TOOTHACHE TREE. Prairie woodlands; common. *JKE #771*.

SALICACEAE de Mirbel 1815
Willow Family

1. *Populus* Linnaeus

1. *Populus alba* Linnaeus – SILVER POPLAR ‡. Old home sites, lawns, and disturbed urban areas; infrequent. *JKE #2976*.
2. *Populus deltoides* Bartram ex Marshall var. *deltoides* – EASTERN COTTONWOOD. Riparian zones, bottomland forests, edges of marshes, and wet roadsides; common. [*Populus balsamifera* auct. non Linnaeus; *Populus deltoides* Marshall; *Populus deltoides* Marshall var. *missouriensis* (A. Henry) A. Henry]. *JKE #1150*.

2. *Salix* Linnaeus

1. *Salix babylonica* Linnaeus – WEEPING WILLOW ‡. Lawns and old home sites; common. [*Salix ×sepulcralis* Simonkai]. *JKE #3263*.
2. *Salix nigra* Marshall – BLACK WILLOW. Riparian zones, bottomland forests, edges of marshes, and wet roadsides; common. *JKE #1698*, *JKE #1701*.

SANTALACEAE R. Brown 1820
Sandlewood Family

1. *Phoradendron* Nuttall

1. *Phoradendron leucarpum* (Rafinesque) Reveal & M.C. Johnston ssp. *leucarpum* – AMERICAN MISTLETOE. Parasitic on various species of trees; common. [*Phoradendron flavescens* Nuttall ex Engelmann; *Phoradendron serotinum* (Rafinesque) M.C. Johnston]. *JKE #1595*.

SAPINDACEAE A.L. de Jussieu 1789
Soapberry Family

1. *Acer* Linnaeus

1. *Acer floridanum* (Chapman) Pax – FLORIDA MAPLE. Rich, mesic ravines; common [*Acer barbatum* Michaux; *Acer saccharum* Marshall var. *barbatum* (Michaux) Trelease; *Acer saccharum* Marshall ssp. *floridanum* (Chapman) Desmarais; *Saccharodendron barbatum* (Michaux) Nieuwland; *Saccharodendron floridanum* (Chapman) Nieuwland]. *JKE #2977*.
2. *Acer leucoderme* Small – CHALK MAPLE. Rich, mesic ravines; common. [*Acer saccharum* Marshall ssp. *leucoderme* (Small) Desmarais; *Saccharodendron leucoderme* (Small) Nieuwland]. *JKE #3187*.

3. *Acer negundo* Linnaeus var. *negundo* – BOX ELDER. Riparian zones, swamps, bottomland forests and prairie woods; common. [*Acer negundo* Linnaeus var. *texanum* Pax; *Negundo negundo* (Linnaeus) Karsten]. *JKE #1027*.
4. *Acer rubrum* Linnaeus var. *rubrum* – EASTERN RED MAPLE. Dry to mesic forests; common. [*Rufacer rubrum* (Linnaeus) Small]. *JKE #1636*.
5. *Acer saccharinum* Linnaeus – SILVER MAPLE. Riparian zones and roadsides; infrequent. [*Argentacer saccharinum* (Linnaeus) Small]. *JKE #2941*.

2. *Aesculus* Linnaeus

1. *Aesculus glabra* Willdenow var. *glabra* – OHIO BUCKEYE. Mesic forests over calcareous material; common. *JKE #2658*.
2. *Aesculus pavia* Linnaeus var. *pavia* – RED BUCKEYE. Mesic woods; common. *JKE #1741*.

3. *Cardiospermum* Linnaeus

1. *Cardiospermum halicacabum* Linnaeus – BALLOON VINE ‡. Disturbed areas; common. *JKE #2931*.

SAPOTACEAE A.L. de Jussieu 1789

Sapodilla Family

1. *Sideroxylon* Linnaeus

1. *Sideroxylon lycioides* Linnaeus – BUCKTHORN BUMELIA. Edge of chalk bluff along river; rare. [*Bumelia lycioides* (Linnaeus) Persoon var. *lycioides*; *Bumelia lycioides* (Linnaeus) Persoon var. *virginiana* Fernald; *Bumelia smallii* R.B. Clark]. *JKE #3633*.

SAURURACEAE E. Meyer 1827

Lizard's-tail Family

1. *Saururus* Linnaeus

1. *Saururus cernuus* Linnaeus – LIZARDS TAIL. Swamps and wet ditches; common.
JKE #954.

SAXIFRAGACEAE A.L. de Jussieu 1789

Saxifrage Family

1. *Tiarella* Linnaeus

1. *Tiarella cordifolia* Linnaeus – SOUTHERN FOAMFLOWER. Rich, mesic woods near streams; rare. [*Tiarella cordifolia* Linnaeus var. *austrina* Lakela; *Tiarella wherryi* Lakela; *Tiarella cordifolia* Linnaeus var. *collina* Wherry]. JKE #1890.

SCHISANDRACEAE Blume 1830

Star-vine Family

1. *Schisandra* Michaux

1. *Schisandra glabra* (Brickell) Rehder – BAY STARVINE ☼ S2/G3. Rich, damp wood bottoms, climbing high trees in sink bottomlands of central prairie region; rare. A second specimen, which is also housed at UNA, was collected from Marengo County with no collector or date on the label. The second collection was most certainly collected by Charles Mohr. [*Schisandra coccinea* Michaux]. C. Mohr s.n. (UNA).

SCROPHULARIACEAE A.L. de Jussieu 1789

Figwort Family

1. *Scrophularia* Linnaeus

1. *Scrophularia marilandica* Linnaeus – EASTERN FIGWORT. Bottomland woods; rare.

JKE #3821.

2. *Verbascum* Linnaeus

1. *Verbascum blattaria* Linnaeus – MOTH MULLEIN ‡. Disturbed areas; common.

JKE #4351.

SIMAROUBACEAE A.P. de Candolle 1811

Quassia Family

1. *Ailanthus* Desfais

1. *Ailanthus altissima* (P. Miller) Swingle – TREE OF HEAVEN ‡. Roadsides and other disturbed areas; infrequent. [*Ailanthus glandulosa* Desfontaines]. *JKE #4427.*

SOLANACEAE A.L. Jussieu 1789

Nightshade Family

1. *Calibrachoa* La Llave & Lexarza

1. *Calibrachoa parviflora* (A. L. de Jussieu) D'Arcy – WILD PETUNIA ‡. Cracks in concrete; rare. [*Petunia parviflora* Jussieu]. *JKE #4363.*

2. *Datura* Linnaeus

1. *Datura stramonium* Linnaeus – JIMSONWEED ‡. Disturbed areas; rare. [*Datura stramonium* Linnaeus var. *tatula* (Linnaeus) Torrey; *Datura tatula* Linnaeus]. *K. Anderson s.n.* (UWAL).

3. *Physalis* Linnaeus

1. *Physalis angulata* Linnaeus var. *angulata* – SMOOTH GROUND CHERRY. Roadside and other disturbed areas; common. *JKE #2933, JKE #3086.*
2. *Physalis cinerascens* (Dunal) A.S. Hitchcock var. *cinerascens* – SMALL FLOWER GROUND CHERRY ‡. Roadside on disturbed Blackland Prairie; rare. [*Physalis mollis* Nuttall var. *cinerascens* (Dunal) Gray]. *JKE #3635.*
3. *Physalis pubescens* Linnaeus var. *pubescens* – THICKLEAF DOWNY GROUND CHERRY. Roadside slope; rare. [*Physalis barbadensis* Jacquin; *Physalis floridana* Rydberg]. *H. D. Moore 694-69 (AUA).*

4. *Solanum* Linnaeus

1. *Solanum carolinense* Linnaeus var. *carolinense* – HORSE NETTLE. Roadsides and other disturbed areas; common. *JKE #3026, JKE #3094, JKE #3646.*

STYRACACEAE Dumortier 1829 Storax Family

1. *Halesia* J. Ellis ex Linnaeus

1. *Halesia carolina* Linnaeus – LITTLE SILVERBELL. Alluvial forests; rare. [*Halesia parviflora* Michaux]. *R. Kral 30021 (NCU).*
2. *Halesia diptera* Ellis var. *diptera* – COMMON TWO WING SILVERBELL. Bottomland and floodplain woods; common. [*Mohrodendron dipterum* (Linnaeus) Britton]. *JKE #1801.*

2. *Styrax* Linnaeus

1. *Styrax grandifolius* Aiton – BIGLEAF SNOWBELL. Upland forests; rare. *R. C. Clark 13770 (NCU).*

SYMPLOCACEAE Desfontaines 1820
Sweetleaf Family

1. *Symplocos* Jacquin

1. *Symplocos tinctoria* (Linnaeus) L'Heritier – SWEETLEAF. Mesic woods; infrequent.
[*Symplocos tinctoria* (Linnaeus) L'Heritier var. *pygmaea* Fernald]. *JKE #1800*.

TETRACHONDRAEAE Wettstein 1924
Tetrachondra Family

1. *Polypremum* Linnaeus

1. *Polypremum procumbens* Linnaeus – JUNIPER LEAF. Clear-cuts near forests with sandy soils and other disturbed areas; common. *JKE #916, JKE #2957*.

THYMELAEACEAE A.L DE JUSSIEU 1789
Mezereum Family

1. *Dirca* Linnaeus

1. *Dirca palustris* Linnaeus – LEATHERWOOD. Mesic woods and slopes typically near streams; common. *JKE #1635, JKE #2673, JKE #4088*.

ULMACEAE de Mirbel 1815
Elm Family

1. *Ulmus* Linnaeus

1. *Ulmus alata* Michaux – WINGED ELM. Mesic to dry forests and woods; common.
JKE #1645, JKE #2651.
2. *Ulmus americana* Linnaeus – AMERICAN ELM. Mesic woods and forests; common.
JKE #2682.

3. *Ulmus rubra* Muhlenberg – SLIPPERY ELM. Dry calcareous woods and forests; common. [*Ulmus fulva* Michaux]. *JKE* #2675.

URTICACEAE A.L. de Jussieu 1789
Nettle Family

1. *Boehmeria* Jacquin

1. *Boehmeria cylindrica* (Linnaeus) Swartz – FALSE NETTLE. Bottomland and mesic woods; common. [*Boehmeria drummondiana* Weddell]. *JKE* #1140.

2. *Laportea* Gaudichaud-Beaupré

1. *Laportea canadensis* (Linnaeus) Weddell – WOOD NETTLE. Rich, mesic woods near streams; rare. [*Urticastrum divaricatum* (Linnaeus) Kuntze]. *JKE* #3730.

3. *Parietaria* Linnaeus

1. *Parietaria pennsylvanica* Muhlenberg ex Willdenow – PENNSYLVANIA PELLITORY. Calcareous soils in bottomland woods; rare. *JKE* #2431.

4. *Pilea* Lindley

1. *Pilea pumila* (Linnaeus) A. Gray – GREENFRUIT CLEARWEED. Floodplain woods near seeps; infrequent. [*Adicea pumila* (Linnaeus) Rafinesque]. *JKE* #1139.

5. *Urtica* Linnaeus

1. *Urtica chamaedryoides* Pursh – DWARF STINGING NETTLE. Rich, mesic woods; rare. *R. Kral 45409* (VDB).

VALERIANACEAE Batsch 1802
Valerian Family

1. *Valerianella* P. Miller

1. *Valerianella radiata* (Linnaeus) Dufresne – BEAKED CORNSALAD. Roadsides, moist bottomlands, and other disturbed areas; common. [*Valerianella intermedia* Dyal; *Valerianella patellaria* (Sullivant ex Gray) Wood; *Valerianella radiata* (Linnaeus) Dufresne var. *intermedia* (Dyal) Gleason; *Valerianella woodsiana* (Torrey & Gray) Walpers]. *JKE #1690*.

VERBENACEAE J. St.-Hilaire 1805
Verbena Family

1. *Glandularia* J.F. Gmelin

1. *Glandularia bipinnatifida* (Nuttall) Nuttall var. *bipinnatifida* – DAKOTA VERVAIN. Roadsides on prairies; common. [*Verbena bipinnatifida* Nuttall]. *JKE #774*.
2. *Glandularia canadensis* (Linnaeus) Nuttall – ROSE VERVAIN. Rich woods; rare. [*Glandularia drummondii* (Lindley) Small; *Glandularia lambertii* (Sims) Small; *Verbena canadensis* (Linnaeus) Britton]. *JKE #2665*.

2. *Lantana* Linnaeus

1. *Lantana camara* Linnaeus – COMMON LANTANA ‡. Along roadside; infrequent. [*Lantana aculeata* Linnaeus; *Lantana strigocamara* R.W. Sanders]. *JKE #3113*, *JKE #3748*.

3. *Phyla* Loureiro

1. *Phyla lanceolata* (Michaux) Greene – MARSH FROGFRUIT. Wet ditches, marshes and other moist areas; common. [*Lippia lanceolata* Michaux var. *lanceolata*; *Lippia lanceolata* Michaux var. *recognita* Fernald & Griscom]. *JKE #936*, *JKE #2937*.

4. *Verbena* Linnaeus

1. *Verbena brasiliensis* da Conceição Vellozo – BRAZILIAN VERVAIN ‡. Roadsides and

- disturbed areas; common. [*Verbena litoralis* Kunth var. *brasiliensis* (da Conceição Vellozo) Briquet]. *JKE* #922.
2. *Verbena halei* Small – TEXAS VERVAIN. Dry roadsides and disturbed areas; infrequent. [*Verbena officinalis* Linnaeus ssp. *halei* (Small) Barber]. *JKE* #1963, *JKE* #3842.
 3. *Verbena incompta* P.W. Michael – COMMON CLASPING VERVAIN ‡. Clear cut and other disturbed areas; rare. [*Verbena bonariensis* Linnaeus var. *brevibracteata* Kuntze]. *JKE* #4412, *JKE* #4436.
 4. *Verbena montevidensis* Sprengel – URUGUAYAN VERVAIN. Roadside and other disturbed areas; rare. *JKE* #3901.
 5. *Verbena rigida* Sprengel – TUBEROUS VERVAIN ‡. Roadsides and disturbed areas; common. *JKE* #921, *JKE* #2491, *JKE* #4413.
 6. *Verbena simplex* Lehmann – NARROWLEAF VERVAIN. Prairies and other calcareous soils; infrequent. [*Verbena angustifolia* Michaux]. *JKE* #4246.
 7. *Verbena urticifolia* Linnaeus – WHITE VERVAIN. Fields and roadsides; rare. *J.L. Thomas* 2432 (UNA).

VIOLACEAE Batsch 1802
Violet Family

1. *Viola* Linnaeus

1. *Viola bicolor* Pursh – WILD PANSY. Roadsides, lawns and other disturbed areas; common. [*Viola kitaibeliana* J.A. Schultes var. *rafinesquei* Fernald; *Viola rafinesquei* Greene]. *JKE* #1593.
2. *Viola hirsutula* Brainerd – SOUTHERN WOODLAND VIOLET. Cemeteries; rare. *JKE*

#3248.

3. *Viola primulifolia* Linnaeus – PRIMROSE LEAF VIOLET. Moist clear-cut in sandy soils; rare. [*Viola primulifolia* Linnaeus var. *acuta* (Bigelow) Torrey & Gray; *Viola primulifolia* Linnaeus var. *australis* Pollard; *Viola primulifolia* Linnaeus var. *villosa* Eaton]. *JKE #3247*.
4. *Viola septemloba* Le Conte – SOUTHERN COASTAL VIOLET. Upland forest with sandy soils; rare. [*Viola vicinalis* Greene]. *JKE #1945*.
5. *Viola sororia* Willdenow var. *missouriensis* (Greene) L.E. McKinney – THINLEAF VIOLET †. Low woods; rare. [*Viola affinis* Le Conte]. *R. Kral 34025 (VDB)*.
6. *Viola sororia* Willdenow var. *sororia* – CONFEDERATE VIOLET. Roadside ditches, bottomland and floodplain woods; common. [*Viola floridana* Brainerd; *Viola palmata* Linnaeus var. *sororia* (Willdenow) Pollard; *Viola papilionacea* Pursh; *Viola priceana* Pollard; *Viola rosacea* Brainerd]. *JKE #2654, JKE #3241*.
7. *Viola walteri* House var. *walteri* – WALTERS VIOLET. Rich, mesic woods; common. [*Viola multicaulis* (Torrey & Gray) Britton]. *JKE #1744*.

VITACEAE A.L. de Jussieu 1789
Grape Family

1. *Ampelopsis* Michaux

1. *Ampelopsis arborea* (Linnaeus) Koehne – PEPPERVINE. Fence rows, wet thickets and moist disturbed areas; common. *JKE #1012*.
2. *Ampelopsis cordata* Michaux – RACCOON GRAPE. Moist forests, fence rows on prairie, and other disturbed areas; infrequent. *JKE #1007*.

2. *Cissus* Linnaeus

1. *Cissus trifoliata* (Linnaeus) Linnaeus – MARINE IVY ‡. Landscaped areas; infrequent. [*Ampelopsis incisa* (Nuttall) Des Moulins; *Cissus incisa* auct. non Des Moulins]. *JKE* #3186.

3. *Muscadinia* (Planchon) Small

1. *Muscadinia rotundifolia* (Michaux) Small var. *rotundifolia* – MUSCADINE. Various habitats and conditions; common. [*Vitis rotundifolia* Michaux var. *rotundifolia*]. *JKE* #981.

4. *Parthenocissus* Planchon

1. *Parthenocissus quinquefolia* (Linnaeus) Planchon – VIRGINIA CREEPER. Mesic woods; common. [*Parthenocissus hirsuta* (Pursh) Graebner]. *JKE* #4368.

5. *Vitis* Linnaeus

1. *Vitis aestivalis* Michaux var. *aestivalis* – SUMMER GRAPE. Forests and woodlands; common. [*Vitis rufotomentosa* Small]. *JKE* #2962.
2. *Vitis cinerea* (Engelmann in A. Gray) Engelmann ex Millardet var. *cinerea* – GRAYBARK GRAPE. Moist forests; rare. *R. C. Clark* 13569 (NCU).
3. *Vitis vulpina* Linnaeus – FROST GRAPE. Forests and woodlands; rare. [*Vitis cordifolia* Michaux]. *R. C. Clark* 13735 (NCU).

DIVISION MAGNOLIOPHYTA

CLASS LILIOPSIDA

AGAVACEAE Endlicher 1841 Agave Family

1. *Camassia* Lindley

1. *Camassia scilloides* (Rafinesque) Cory – WILD HYACINTH. Rich woods; rare.

[*Quamasia esculenta* (Ker-Gawler) Coville; *Quamasia hyacinthina* (Rafinesque) Britton]. *J.W. Harris s.n.* (UWAL).

2. *Manfreda* Salisbury

1. *Manfreda virginica* (Linnaeus) Salisbury ex Rose – EASTERN FALSE ALOE. Prairies and exposed chalk; common. [*Agave virginica* Linnaeus; *Manfreda tigrina* (Engelmann) Small; *Polianthes virginica* (Linnaeus) Shinnery]. *JKE #931*.

3. *Yucca* Linnaeus

1. *Yucca filamentosa* Linnaeus – CURLYLEAF YUCCA. Dry slopes throughout county; common. [*Yucca concava* Haworth]. *JKE #2959*.
2. *Yucca recurvifolia* Salisbury – CURVE LEAF YUCCA. Fence rows; rare. [*Yucca gloriosa* Linnaeus var. *recurvifolia* (Salisbury) Engelmann]. *JKE #4406*.

ALISMATACEAE Ventenat 1799 Water Plantain Family

1. *Echinodorus* L.C. Richard ex Engelmann

1. *Echinodorus cordifolius* (Linnaeus) Grisebach – CREEPING BURHEAD. Swamps, wet ditches, and low floodplains; common. [*Echinodorus radicans* (Nuttall)

Engelmann]. *JKE #1403, JKE #2947.*

2. *Sagittaria* Linnaeus

1. *Sagittaria australis* (J.G. Smith) Small – APPALACHIAN ARROWHEAD. Marshes, wet ditches, backwaters and margins of lakes; common. [*Sagittaria engelmanniana* J.G. Smith ssp. *longirostra* auct. non Micheli; *Sagittaria longirostra* auct. non (Micheli) J.G. Smith; *Sagittaria longirostra* (Micheli) J.G. Smith var. *australis* J.G. Smith]. *JKE #1271, JKE #1411, JKE #3746, JKE #4453.*
2. *Sagittaria calycina* Engelmann – HOODED ARROWHEAD. Marshes, wet ditches, backwaters and margins of lakes; common. [*Lophotocarpus calycinus* (Engelmann) J.G. Smith; *Sagittaria montevidensis* Chamisso & Schlechtendal ssp. *calycina* (Engelmann) Bogin]. *JKE #928.*
3. *Sagittaria platyphylla* (Engelmann) J.G. Smith – DELTA ARROWHEAD. Marshes, wet ditches, backwaters and margins of lakes; common. [*Sagittaria graminea* Michaux var. *platyphylla* Engelmann; *Sagittaria mohrii* J.G. Smith]. *JKE #938, JKE #3683.*

AMARYLLIDACEAE J. St. Hilaire 1805

Amaryllis Family

1. *Allium* Linnaeus

1. *Allium ampeloprasum* Linnaeus – WILD LEEK ‡. Disturbed areas; infrequent. *JKE #2446*
2. *Allium canadense* Linnaeus var. *canadense* – WILD ONION. Lawns, roadsides, fields and other disturbed areas; common. *JKE #1949, JKE #2438B.*
3. *Allium canadense* Linnaeus var. *mobile* (Regel) Ownbey – GLADE ONION. Edge

of prairie woods; rare. [*Allium arenicola* Small; *Allium microscordion* Small; *Allium mobilense* Regeal; *Allium mutabile* Michaux]. *JKE #2502, JKE #3437B*.

4. *Allium neapolitanum* Cirillo – WHITE GARLIC ‡. Lawns, old home sites and flower beds, common. [*Allium inodorum* Aiton; *Nothoscordum inodorum* (Aiton) Nicholson] *JKE #4085*.
5. *Allium vineale* Linnaeus – FIELD GARLIC ‡. Lawns, fields, and other disturbed areas; common. *JKE #2438*.

2. *Hymenocallis* Salisbury

1. *Hymenocallis occidentalis* (LeConte) Kunth var. *occidentalis* – HAMMOCK SPIDERLILY. Edge of low woods; rare. [*Hymenocallis caroliniana* (Linnaeus) Herbert, *pro parte*]. *JKE #4444*.

3. *Leucojum* Linnaeus

1. *Leucojum aestivum* Linnaeus – SUMMER SNOWFLAKE ‡. Lawns and old homesites; common. *JKE #1646*.

4. *Lycoris* Herbert

1. *Lycoris radiata* (L'Héritier) Herbert – MAGIC LILY. Roadsides, lawns, and old home sites; common. *JKE #1261*.

5. *Narcissus* Linnaeus

1. *Narcissus ×incomparabilis* P. Miller (pro sp.) [*poeticus* × *pseudonarcissus*] – NONESUCH DAFFODIL. Lawns and old home sites; common. *JKE #4746*.
2. *Narcissus ×odoratus* Linnaeus (pro sp.) [*jonquilla* × *pseudonarcissus*] – CAMPERNELLE JONQUIL ‡. Lawns and old home sites; common. *JKE #1611, JKE #2269*.
3. *Narcissus papyraceus* Ker-Gawler – PAPER WHITE DAFFODIL ‡. Lawns and old

home sites; common. *JKE #4699*.

4. *Narcissus poeticus* Linnaeus – POETS NARCISSUS. Lawns and old home sites; infrequent. *JKE #4747*.
5. *Narcissus pseudonarcissus* Linnaeus – DAFFODIL ‡. Roadsides, lawns, and old home sites; common. *JKE #2267*.
6. *Narcissus tazetta* Linnaeus – BUNCH FLOWERED DAFFODIL ‡. Roadsides, lawns, and old home sites; common. *JKE #2268, JKE #4086*.

6. *Nothoscordum* Kunth

1. *Nothoscordum bivalve* (Linnaeus) Britton – GRACE GARLIC. Lawns, fields, and roadsides; common. [*Allium inodorum* auct. non Aiton; *Nothoscordum borbonicum* auct. non Kunth; *Nothoscordum fragrans* (Ventenat) Kunth]. *JKE #1621*.

7. *Tristagma* Poeppig

1. *Tristagma uniflorum* (Graham) Traub – STAR OF BETHLEHEM ‡. Lawns, flower beds, and old home sites; common. [*Ipheion uniflorum* (Lindley) Rafinesque]. *JKE #1623*.

8. *Zephyranthes* Herbert

1. *Zephyranthes atamasca* (Linnaeus) Herbert – COMMON ATAMASCO LILY. Low, rich woods; rare. [*Atamosco atamasca* (Linnaeus) Greene]. *JKE #2655*.

ARACEAE A.L de Jussieu 1789

Arum Family

1. *Arisaema* Martius

1. *Arisaema dracontium* (Linnaeus) Schott – GREEN DRAGON. Rich and bottomland

woods; infrequent. [*Muricauda dracontium* (Linnaeus) Small]. *JKE #1730*.

2. *Arisaema triphyllum* (Linnaeus) Schott – COMMON JACK IN THE PULPIT. Mesic woods; common. [*Arisaema atrorubens* (Aiton) Blume]. *JKE #1723*.

2. *Colocasia* Schott

1. *Colocasia esculenta* (Linnaeus) Schott – ELEPHANTS EAR ‡. Sandy alluvium near stream; rare. [*Colocasia antiquorum* Schott; *Colocasia esculenta* (Linnaeus) Schott var. *antiquorum* (Schott) Hubbard & Rehder; *Colocasia esculenta* (Linnaeus) Schott var. *aquaticilis* Hasskarl]. *JKE #4447*.

3. *Landoltia* D.H. Les & D.J. Crawford

1. *Landoltia punctata* (G.F.W. Meyer) D.H. Les & D.J. Crawford – DOTTED DUCKMEAT ‡. Swamps and ponds; common. [*Spirodela oligorrhiza* (Kurz) Hegelmaier; *Spirodela punctata* (G.F.W. Meyer) Thompson]. *JKE #956A*.

4. *Lemna* Linnaeus

1. *Lemna aequinoctialis* Welwitsch – LESSER DUCKWEED. Still waters in ditch; rare. [*Lemna trinervis* (Austin) Small]. *L.J. Davenport 433* (VDB).

5. *Peltandra* Rafinesque

1. *Peltandra virginica* (Linnaeus) Schott – GREEN ARROW ARUM. Marshes and backwater floodplains; common. *JKE #1178*, *JKE #3078*.

6. *Spirodela* Schleiden

1. *Spirodela polyrrhiza* (Linnaeus) Schleiden – GREATER DUCKWEED. Still waters of ponds; rare. *L.J. Davenport 434* (UNA).

7. *Wolffia* Horkel ex Schleiden

1. *Wolffia brasiliensis* Weddell – BRAZILIAN WATERMEAL. Still waters of ponds and

marshes; common. [*Wolffia papulifera* C.H. Thompson]. *JKE* #2566.

8. *Wolffiella* Hegelmann

1. *Wolffiella gladiata* (Hegelmaier) Hegelmaier – MUD MIDGETS. Still waters of ponds and marshes; infrequent. [*Wolffiella floridana* (J.D. Smith) C.H. Thompson]. *JKE* #956B.

ARECACEAE Schultz 1832 Palm Family

1. *Sabal* Adanson

1. *Sabal minor* (Jacquin) Persoon – DWARF PALMETTO. Low, flat woods and floodplain woods; common. *JKE* #1181.

ASPARAGACEAE A.L. de Jussieu 1789 Asparagus Family

1. *Asparagus* Linnaeus

1. *Asparagus officinalis* Linnaeus – ASPARAGUS ‡. Roadsides; infrequent. *JKE* #2960.

BROMELIACEAE A.L. de Jussieu 1789 Pineapple Family

1. *Tillandsia* Linnaeus

1. *Tillandsia usneoides* (Linnaeus) Linnaeus – SPANISH MOSS. Low woods, riparian zones, and floodplain woods attached to various tree species; common. [*Dendropogon usneoides* (Linnaeus) Rafinesque]. *JKE* #783.

COLCHICACEAE A.P. de Candolle
Meadow Saffron Family

1. *Uvularia* Linnaeus

1. *Uvularia floridana* Chapman – FLORIDA BELLWORT ☼ **S1/G3**. Low flatwoods; rare. [*Oakesiella floridana* (Chapman) Small]. *JKE* #1724, *JKE* #4150.
2. *Uvularia perfoliata* Linnaeus – PERFOLIATE BELLWORT. Rich, mesic, north-facing slope near creek; rare. *JKE* #4158.

COMMELINACEAE R. Brown 1810
Spiderwort Family

1. *Commelina* Linnaeus

1. *Commelina communis* Linnaeus – COMMON DAYFLOWER ‡. Roadsides, lawns, and ditches; common. [*Commelina communis* Linnaeus var. *ludens* (Miquel) C.B. Clarke]. *JKE* #3065.
2. *Commelina erecta* Linnaeus var. *erecta* – ERECT DAYFLOWER. Rich, mesic woods; infrequent. [*Commelina angustifolia* Michaux; *Commelina crispa* Wooton]. *JKE* #2978, *JKE* #4366.
3. *Commelina virginica* Linnaeus – VIRGINIA DAYFLOWER. Bottomland woods and other moist woods and forests; common. [*Commelina hirtella* Vahl]. *JKE* #3850.

2. *Tradescantia* Linnaeus

1. *Tradescantia hirsutiflora* Bush – HAIRY FLOWER SPIDERWORT. Upland woods; rare. *T. Henderson* 221 (AUA).
2. *Tradescantia hirsutiflora* x *ohiensis* – HYBRID HAIRY FLOWER SPIDERWORT.

Roadside ditch near boundary of calcareous outcrop and high terrace deposits;
common. *JKE #1393*.

3. *Tradescantia pallida* (Rose) D.R. Hunt – PURPLEQUEEN ‡. Disturbed area along train tracks; rare. [*Setcreasea pallida* Rose; *Setcreasea purpurea* B.K. Boom]. *D.D. Spaulding 11829* (VDB).
4. *Tradescantia subaspera* Ker-Gawler – WIDE LEAVED SPIDERWORT. Mesic woods; rare. [*Tradescantia montana* Shuttleworth ex Britton; *Tradescantia pilosa* Lehmann; *Tradescantia subaspera* Ker-Gawler var. *montana* (Shuttleworth ex Britton) E.S. Anderson & Woodson]. *D.H. Burk 113* (UNA).
5. *Tradescantia virginiana* Linnaeus – VIRGINIA SPIDERWORT. Roadside ditches, lawns, and disturbed areas; common. [*Tradescantia brevicaulis* Rafinesque]. *JKE #1716*.

CYPERACEAE A.L. de Jussieu 1789

Sedge Family

1. *Bulbostylis* Kunth

1. *Bulbostylis barbata* (Rottbøll) C.B. Clarke – OLD WORLD HAIRSEGE. Field and sandy ditch; rare. [*Stenophyllus barbatus* (Rottbøll) Britton]. *R. Kral 29870* (VDB).
2. *Bulbostylis capillaris* (Linnaeus) Kunth ex C.B. Clarke – COMMON HAIRSEGE. Roadside boggy swale; rare. [*Bulbostylis capillaris* (Linnaeus) C.B. Clarke var. *crebra* Fernald; *Bulbostylis capillaris* (Linnaeus) C.B. Clarke var. *isopoda* Fernald; *Stenophyllus capillaris* (Linnaeus) Britton]. *R. Kral 29869* (VDB).

2. *Carex* Linnaeus

1. *Carex abscondita* Mackenzie – HIDDEN FRUIT SEDGE. Rich bottomland forests; rare. [*Carex abscondita* Mackenzie var. *rostellata* Fernald]. *R. Kral 38811* (VDB).
2. *Carex albicans* Willdenow ex Sprengel – WHITE TINGE SEDGE. Mesic woods; common. [*Carex artitecta* Mackenzie var. *artitecta*; *Carex artitecta* Mackenzie var. *subtilirostris* F.J. Hermann; *Carex nigro-marginata* Schweinitz var. *muhlenbergii* (A. Gray ex Torrey) Gleason; *Carex varia* Muhlenberg ex Willdenow, non Host]. *JKE #2266*.
3. *Carex albolutescens* Schweinitz – GREEN WHITE SEDGE. Bottomlands and other low areas; infrequent. *JKE #3723*.
4. *Carex atlantica* L.H. Bailey – PRICKLY BOG SEDGE. Low flatwoods and bottomland woods; common. [*Carex incompta* E.P. Bicknell]. *JKE #1971*, *JKE #1975*.
5. *Carex aureolensis* Steudel – GOLDEN FRUIT SEDGE. Floodplain forests, marshes, and other wet areas; common. *JKE #2442*, *JKE #2447*, *JKE #2433*, *JKE #2468*, *JKE #2509*, *JKE #3021*, *JKE #3543*.
6. *Carex basiantha* Steudel – SOUTHERN WILLDENOWS SEDGE. Mesic woods; infrequent. [*Carex willdenowii* Schkuhr var. *pauciflora* Olney ex L.H. Bailey]. *JKE #1967*.
7. *Carex blanda* Dewey – EASTERN WOODLAND SEDGE. Rich woods; rare. [*Carex laxiflora* Lamarck var. *blanda* (Dewey) F. Boott]. *R. Kral 38810* (VDB).
8. *Carex bromoides* Willdenow ssp. *bromoides* – COMMON BROME SEDGE. Boggy swales; rare. *R. Kral 69839* (UWAL).
9. *Carex caroliniana* Schweinitz – CAROLINA SEDGE. Mesic to dry forests; common.

JKE #1876.

10. *Carex cherokeensis* Schweinitz – CHEROKEE SEDGE. Roadsides, forests, woodlands, lawns, and disturbed areas; common. *JKE #1707, JKE #1735.*
11. *Carex complanata* Torrey & Hooker – FLATTENED SEDGE. Mesic to dry forests; common. *JKE #1978, JKE #2493, JKE #2552, JKE #3424.*
12. *Carex debilis* Michaux – WHITE EDGED SEDGE. Swamps, boggy swales, and other moist to wet habitats; common. [*Carex allegheniensis* Mackenzie; *Carex debilis* Michaux var. *pubera* A. Gray; *Carex debilis* Michaux var. *prolixa* L.H. Bailey]. *JKE #1894, JKE #1982, JKE #4146.*
13. *Carex flaccosperma* Dewey – THIN FRUIT SEDGE. Margin of low, swampy woods; infrequent. *JKE #1979.*
14. *Carex frankii* Kunth – BRISTLY CAT TAIL SEDGE. Bottomland forests; common. *JKE #4297.*
15. *Carex gigantea* Rudge – GIANT SEDGE. Swamps, bottomland forests and flatwoods near wet depressions; infrequent. [*Carex grandis* L.H. Bailey]. *JKE #3075.*
16. *Carex glaucescens* Elliott – SOUTHERN SEDGE. Sandy, boggy swales and roadside ditches; common. *JKE #3761, JKE #4464.*
17. *Carex howei* Mackenzie – HOWES SEDGE. Seepages, low woods, and boggy areas; common. [*Carex atlantica* L.H. Bailey ssp. *capillacea* (L.H. Bailey) Reznicek; *Carex mohriana* Mackenzie]. *JKE #1729.*
18. *Carex intumescens* Rudge var. *intumescens* – GREATER BLADDER SEDGE. Low forests and botomland woods; infrequent. *JKE #4149.*
16. *Carex jorii* L.H. Bailey – JOORS SEDGE. Swamps; rare. *J.H. Wiersema 1961*

(UNA).

20. *Carex kraliana* Naczi & Bryson – KRALS SEDGE. Mesic woods; rare. *JKE #1970*.
21. *Carex leavenworthii* Dewey – LEAVENWORTHS SEDGE. Wet ditch in prairie soils; rare. *B.R. Keener 5942 (UWAL)*.
22. *Carex leptalea* Wahlenberg var. *harperi* (Fernald) Weatherby & Griscom – HARPERS SEDGE. Seeps, flatwoods, and other woods with standing water; common. [*Carex harperi* Fernald; *Carex leptalea* Wahlenberg ssp. *harperi* (Fernald) W. Stone]. *JKE #1892, JKE #1983, JKE #4147*.
23. *Carex louisianica* L.H. Bailey – LOUISIANA SEDGE. Moist floodplain woods; infrequent. *JKE #3677, JKE #4450*.
24. *Carex lupulina* Muhlenberg ex Willdenow – HOP SEDGE. Flatwoods and bottomland woods; common. [*Carex lupulina* Muhlenberg ex Schkuhr var. *pedunculata* A. Gray ex G.Beck]. *JKE #2556, JKE #3593, JKE #4298*.
25. *Carex lurida* Wahlenberg – LURID SEDGE. Wet ditches, low woods, and boggy areas; infrequent. *JKE # 3705, JKE #4424*.
26. *Carex meadii* Dewey – MEADS SEDGE. Roadside on prairie; rare. *B.R. Keener 5815 (UWAL)*.
27. *Carex microdonta* Torrey & Hooker – LITTLE TOOTHED SEDGE. Prairies; rare. *B.R. Keener 5817 (UWAL)*.
28. *Carex muehlenbergii* Schkuhr ex Willdenow var. *muehlenbergii* – SAND SEDGE. Roadside ditch in dry, sandy soil; infrequent. [*Carex muehlenbergii* Schkuhr ex Willdenow var. *xalapensis* (Kunth) Britton; *Carex plana* Mackenzie]. *JKE #1956*.

29. *Carex oxylepis* Torrey & Hooker – SHARP SCALE SEDGE. Rich, bottomland forest; rare. [*Carex oxylepis* Torrey & Hooker var. *pubescens* Underwood]. *R. Kral* 73809 (VDB).
30. *Carex socialis* Mohlenbrock & Schwegman – CREEPING WOODLAND SEDGE ⬠
S1/G4. Mesic woods near small stream; rare. *JKE #4139.*
31. *Carex tribuloides* Wahlenberg var. *sangamonensis* Clokey – FESTIVAL SEDGE.
 Bottomland forests; common. [*Carex tribuloides* Wahlenberg var. *turbata* L.H. Bailey]. *JKE #2506, JKE #3020.*
32. *Carex tribuloides* Wahlenberg var. *tribuloides* – BLUNT BROOM SEDGE.
 Bottomland forests; rare. *J.H. Wiersema 1953 (UNA).*

3. *Cyperus* Linnaeus

1. *Cyperus acuminatus* Torrey & Hooker ex Torrey – SHORTPOINT FLAT SEDGE.
 Prairie soils along railroad tracks; rare. *D.D. Spaulding 11831 (UNA).*
2. *Cyperus echinatus* (Linnaeus) Wood – GLOBE SEDGE. Roadside ditches and bottomland woods; common. [*Cyperus ovularis* (Michaux) Torrey var. *ovularis*; *Cyperus ovularis* (Michaux) Torrey var. *sphaericus* Böckler]. *JKE #2515, JKE #4296.*
3. *Cyperus erythrorhizos* Muhlenberg – REDROOT FLATSEEDGE. Wet sloping outcrop of Black Bluff, soft shale at base of bluff; rare. [*Cyperus halei* Torrey ex Britton]. *R.M. Harper 127 (UNA).*
4. *Cyperus haspan* Linnaeus – SHEATHED FLATSEEDGE. Marshes and ditches; rare. [*Cyperus haspan* Linnaeus var. *americanus* Böckler]. *JKE #3763.*
5. *Cyperus iria* Linnaeus – RICE FIELD FLATSEEDGE ‡. Marshes, ditches, and other wet

- disturbed areas; rare. *JKE #4441*.
6. *Cyperus odoratus* Linnaeus var. *odoratus* – FRAGRANT FLATSEEDGE. Low fields, marshes and wet ditches; common. [*Cyperus ferax* L.C. Richard; *Cyperus longispicatus* J.B.S. Norton; *Cyperus speciosus* Vahl]. *JKE #973, JKE #2955, JKE #3710, JKE #4454*.
 7. *Cyperus polystachyos* Rottbøll – MANY SPIKE FLATSEEDGE. Wet sloping outcrop of Black Bluff, soft shale at base of bluff; rare. [*Cyperus microdontus* Torrey; *Cyperus paniculatus* Rottbøll; *Cyperus polystachyos* Rottbøll var. *texensis* (Torrey) Fernald]. *R.M. Harper 126 (UNA), JKE #3726*.
 8. *Cyperus pseudovegetus* Steudel – MARSH FLATSEEDGE. Marshes, ditches, and wet depressions; common. *JKE #1286, JKE #2511, JKE #3762*.
 9. *Cyperus retrorsus* Chapman – PINEBARREN FLATSEEDGE. Dry woodlands and forests; rare. [*Cyperus cylindricus* (Elliott) Britton; *Cyperus nashii* Britton; *Cyperus retrorsus* Chapman var. *nashii* (Britton) Fernald & Griscom; *Cyperus torreyi* Britton]. *J. L. Thomas 2424 (UNA), JKE #2530*.
 10. *Cyperus squarrosus* Linnaeus – AWNED FLATSEEDGE. Riparian zones and moist disturbed areas; rare. [*Cyperus aristatus* Rottbøll; *Cyperus inflexus* Muhlenberg]. *R. M. Harper 124 (UNA)*.
 11. *Cyperus strigosus* Linnaeus – FALSE NUTSEEDGE. Marshes, ditches and wet disturbed areas; rare. [*Cyperus strigosus* Linnaeus var. *robustior* Britton; *Cyperus strigosus* Linnaeus var. *stenolepis* (Torrey) Kükenthal; *Cyperus stenolepis* Torrey]. *R. R. Haynes 7397 (UNA)*.
 12. *Cyperus virens* Michaux – GREEN FLATSEEDGE. Moist ditches and low acidic woods;

infrequent. [*Cyperus robustus* Kunth]. *R. Kral* 55587 (VDB); *JKE* #4462.

4. *Eleocharis* R. Brown

1. *Eleocharis obtusa* (Willdenow) J.A. Schultes – BLUNT SPIKERUSH. Ditches, marshes, and other wet areas; common. [*Eleocharis obtusa* (Willdenow) J.A. Schultes var. *ellipsoidalis* Fernald; *Eleocharis obtusa* (Willdenow) J.A. Schultes var. *jejuna* Fernald; *Eleocharis ovata* (Roth) Roemer & J.A. Schultes var. *obtusata* (Willdenow) Kükenthal]. *JKE* #1274, *JKE* #3430.
2. *Eleocharis tuberculosa* (Michaux) Roemer & J.A. Schultes – LONG TUBERCLE SPIKERUSH. Acidic seeps; rare. [*Eleocharis simplex* (Elliott) A. Dietrich]. *JKE* #4465.

5. *Fimbristylis* Vahl

1. *Fimbristylis annua* (Allioni) Roemer & J.A. Schultes – ANNUAL FIMBRY. Wet disturbed areas; rare. [*Fimbristylis baldwiniana* (J.A. Schultes) Torrey]. *R. Kral* 29608 (VDB).
2. *Fimbristylis autumnalis* (Linnaeus) Roemer & J.A. Schultes – SLENDER FIMBRY. Moist to wet disturbed areas; common. [*Fimbristylis autumnalis* (Linnaeus) Roemer & J.A. Schultes var. *mucronulata* (Michaux) Fernald; *Fimbristylis geminata* (Nees) Kunth]. *JKE* #1276.
3. *Fimbristylis decipiens* Kral – SOUTHERN FIMBRY. Wet to moist disturbed areas; common. *JKE* #1369.
4. *Fimbristylis littoralis* Gaudichaud – GRASS LIKE FIMBRY ‡. Wet to moist disturbed areas; common. [*Fimbristylis miliacea* (Linnaeus) Vahl]. *JKE* #1275, *JKE* #3711.

5. *Fimbristylis vahlii* (Lamarck) Link – VAHLS FIMBRY. Riparian zone and shoreline of rivers; common. *JKE #2925, JKE #3085.*

6. *Fuirena* Rottbøll

1. *Fuirena squarrosa* Michaux – HAIRY UMBRELLA SEDGE. Wet, boggy ditches; common. [*Fuirena squarrosa* Michaux var. *hispida* (Elliott) Chapman; *Fuirena hispida* Elliott]. *JKE #3739, JKE #3764.*

7. *Isolepis* R. Brown

1. *Isolepis carinata* Hooker & Arnott ex Torrey – KEELED BULRUSH. Low woods; common. [*Scirpus koilolepis* (Steudel) Gleason; *Scirpus carinatus* (Hooker & Arnott ex Torrey) A. Gray]. *JKE #1980.*

8. *Kyllinga* Rottbøll

1. *Kyllinga pumila* Michaux – ANNUAL GREENHEAD SEDGE. Moist ditches, fields and lawns; rare. [*Cyperus tenuifolius* (Steudel) Dandy]. *R. Kral 29867 (VDB).*

9. *Lipocarpa* R. Brown

1. *Lipocarpa micrantha* (Vahl) G. Tucker – SMALL FLOWER HALFCHAFF SEDGE. Moist sandy areas near drawdowns; rare. [*Hemicarpha micrantha* (Vahl) Pax]. *R.M. Harper 123 (UNA).*

10. *Oxycaryum* Nees

1. *Oxycaryum cubense* (Poeppig & Kunth) Palla – CUBAN BULRUSH ‡. Along river edges and floating in rivers; rare. [*Cyperus blepharoleptos* Steudel; *Scirpus cubensis* Poeppig & Kunth]. *B.R. Keener 6662 (UWAL).*

11. *Rhynchospora* Vahl

1. *Rhynchospora caduca* Elliott – ANGLE STEM BEAKSEEDGE. Swamps and other wet

areas; common. [*Rhynchospora patula* A. Gray]. *R.R. Haynes 7404* (UNA),
JKE #2463, JKE #2476, JKE #2510.

2. *Rhynchospora corniculata* (Lamarck) A. Gray var. *corniculata* – SHORT BRISTLE
HORNED BEAKSEDGE. Swamps and other wet areas; common. [*Rhynchospora*
corniculata (Lamarck) A. Gray var. *interior* Fernald]. *JKE #925, JKE #2545,*
JKE #3594.
3. *Rhynchospora glomerata* (Linnaeus) Vahl var. *glomerata* – CLUSTERED BEAKSEDGE.
Wet ditches and other wet areas; common. [*Rhynchospora cymosa* Elliott;
Rhynchospora glomerata (Linnaeus) Vahl var. *paniculata* Chapman]. *JKE*
#1284, JKE #3741.
4. *Rhynchospora gracilentata* A. Gray – SLENDER BEAKSEDGE. Wet ditches; rare. *R.*
Kral 51410 (VDB).
5. *Rhynchospora harveyi* W. Boott – HARVEYS BEAKSEDGE. Acidic seeps and ditches;
rare. [*Rhynchospora earlei* Britton]. *R. Kral 42949* (VDB).
6. *Rhynchospora inexpansa* (Michaux) Vahl – NODDING BEAKSEDGE. Acidic seeps and
wet roadsides; infrequent. *R. Kral 51418* (VDB), *JKE #2521, JKE #4472.*

12. *Scirpus* Linnaeus

1. *Scirpus cyperinus* (Linnaeus) Kunth – WOOLGRASS BULRUSH. Wet ditches, marshes,
and other wet areas; common. [*Scirpus cyperinus* (Linnaeus) Kunth var.
eriphorum (Michaux) Kunth; *Scirpus cyperinus* (Linnaeus) Kunth var. *pelius*
Fernald; *Scirpus eriphorum* Michaux; *Scirpus rubricosus* Fernald]. *JKE #987.*
2. *Scirpus pendulus* Muhlenberg – NODDING BULRUSH. Wet ditches on prairie;
common. *JKE #2456.*

13. *Scleria* P.J. Bergius

1. *Scleria oligantha* Michaux – FEW FLOWERED NUTRUSH. Dry to moist woods; common. *JKE #1953*.
2. *Scleria triglomerata* Michaux – TALL NUTRUSH. Wet to mesic flatwoods; common. *JKE #2522, JKE #4471*.

DIOSCOREACEAE R. Brown 1810
Yam Family

1. *Dioscorea* Linnaeus

1. *Dioscorea floridana* Bartlett – FLORIDA WILD YAM. Mesic forests; rare. [*Dioscorea villosa* Linnaeus var. *floridana* (Bartlett) H.E. Ahles]. *T. Henderson* 223 (AUA).
2. *Dioscorea villosa* Linnaeus – WILD YAM. Mesic forests; infrequent. [*Dioscorea glauca* Muhlenberg ex Bartlett; *Dioscorea hirticaulis* Bartlett; *Dioscorea quaternata* J.F. Gmelin; *Dioscorea villosa* Linnaeus var. *glabrifolia* (Bartlett) Fernald; *Dioscorea villosa* Linnaeus var. *hirticaulis* (Bartlett) H.E. Ahles]. *JKE #2069*.

HYACINTHACEAE Batsch 1786
Hyacinth Family

1. *Muscari* P. Miller

1. *Muscari neglectum* Gussoni ex Tenore – GRAPE HYACINTH ‡. Lawns, fields, and other disturbed areas; infrequent. [*Muscari racemosum* (Linnaeus) P. Miller]. *JKE #4083*.

2. *Ornithogalum* Linnaeus

1. *Ornithogalum umbellatum* Linnaeus – STAR OF BETHLEHEM ‡. Lawns and other open disturbed areas; common. *JKE #1821*.

HYDROCHARITACEAE A.L. de Jussieu 1789

Frog's Bit Family

1. *Egeria* Planchon

1. *Egeria densa* Planchon – BRAZILIAN WATERWEED ‡. Swamp and slow-moving waters; infrequent. [*Anacharis densa* (Planchon) Marie-Victorin; *Elodea densa* (Planchon) Caspary; *Philotria densa* (Planchon) Small & St. John]. *JKE #2538*.

2. *Limnobium* L.C. Richard

1. *Limnobium spongia* (Bosc) L.C. Richard ex Steudel – AMERICAN FROGS BIT. Ponds and sloughs; infrequent. *JKE #1388*.

3. *Najas* Linnaeus

1. *Najas guadalupensis* (Sprengel) Magnus var. *guadalupensis* – COMMON NAIAD. Ponds and sloughs; infrequent. *JKE #2536*.
2. *Najas minor* Allioni – SPINYLEAF NAIAD ‡. Ponds and sloughs; infrequent. *JKE #2537*.

HYPOXIDACEAE R. Brown 1814

Stargrass Family

1. *Hypoxis* Linnaeus

1. *Hypoxis hirsuta* (Linnaeus) Coville – COMMON STARGRASS. Dry to mesic forests; rare. *R. Kral 59404 (VDB)*.

IRIDACEAE A.L. de Jussieu 1789
Iris Family

1. *Gladiolus* Linnaeus

1. *Gladiolus communis* Linnaeus – FALSE CORN FLAG ‡. Roadsides, old homesites, and other disturbed areas; infrequent. [*Gladiolus communis* Linnaeus ssp. *byzantinus* (P. Miller) A. Hamilton; *Gladiolus byzantinus* P. Miller; *Gladiolus papilio* auct. non Hooker]. *JKE #1820, JKE #4136.*

2. *Iris* Linnaeus

1. *Iris germanica* Linnaeus – GERMAN IRIS ‡. Roadsides, old homesites, and other disturbed areas; common. *JKE #2650.*
2. *Iris virginica* Linnaeus var. *virginica* – SOUTHERN BLUE FLAG. Roadside ditches and wet depressions; common. *JKE #1785.*

3. *Sisyrinchium* Linnaeus

1. *Sisyrinchium albidum* Rafinesque – WHITE BLUE EYED GRASS. Prairies; common. [*Sisyrinchium scabrellum* E.P. Bicknell]. *JKE #1812.*
2. *Sisyrinchium angustifolium* P. Miller – NARROWLEAF BLUE EYED GRASS. Forests and woodlands; common. [*Sisyrinchium graminoides* E.P. Bicknell]. *JKE #1943, JKE #1951*
3. *Sisyrinchium minus* Engelman & A. Gray – DWARF BLUE EYED GRASS. Moist areas on prairie; rare. This represents the first known collection of this taxon in Alabama. [*Sisyrinchium bermudianum* Linnaeus var. *minus* (Engelman & A. Gray) Klatt; *Sisyrinchium filiforme* Rafinesque; *Sisyrinchium flexuosum* Rafinesque; *Sisyrinchium thurowii* J. M. Coulter & Fisher]. *JKE #3431.*
4. *Sisyrinchium nashii* E.P. Bicknell – NASHS BLUE EYED GRASS. Woodlands and

forests; common. [*Sisyrinchium carolinianum* E.P. Bicknell; *Sisyrinchium fibrosum* E.P. Bicknell]. *JKE #1958, JKE #4165.*

5. *Sisyrinchium pruinosum* E.P. Bicknell – DOTTED BLUE EYED GRASS. Prairie woods and woodlands; infrequent. *JKE #1807.*

JUNCACEAE A.L. de Jussieu 1789

Rush Family

1. *Juncus* Linnaeus

1. *Juncus biflorus* Elliott – BOG RUSH. Roadside acidic bog; infrequent. [*Juncus aristulatus* Michaux var. *biflorus* (Elliott) Small]. *JKE #2474, JKE #2533.*
2. *Juncus brachycarpus* Engelman – SHORT FRUITED RUSH. Wet, sandy soils; common. *R. Kral 55582 (VDB), JKE #2475.*
3. *Juncus coriaceus* Mackenzie – LEATHERY RUSH. Streams, swamps, and other wet depressions; common. [*Juncus setaceus* Rostkovius]. *JKE #1285, JKE #1721, JKE #2427, JKE #2432, JKE #2469, JKE #2495, JKE #3013, JKE #3840.*
4. *Juncus dichotomus* Elliott – FORKED RUSH. Ditches and other wet areas; common. [*Juncus dichotomus* Elliott var. *platyphyllus* Wiegand; *Juncus platyphyllus* (Wiegand) Fernald; *Juncus tenuis* Willdenow var. *dichotomus* (Elliott) Alphonso Wood]. *JKE #1721.*
5. *Juncus diffusissimus* Buckley – DIFFUSE RUSH. Ditches and other open wet areas, common. *JKE #2505, JKE #2554.*
6. *Juncus filipendulus* Buckley – TEXAS PLAINS RUSH. Wet ditches on prairie; infrequent. *B.R. Keener 6002 (UWAL), JKE #2415, JKE #4272.*
7. *Juncus interior* Wiegand – INLAND RUSH ☉ **S1/G3**. Prairies; rare. *R. Kral 46270*

(VDB).

8. *Juncus marginatus* Rostkovius – GRASSLEAF RUSH. Wet soils; common. [*Juncus marginatus* Rostkovius var. *setosus* Coville; *Juncus setosus* (Coville) Small].
JKE #2440, *JKE* #4305.
9. *Juncus repens* Michaux – CREEPING RUSH. Wet ditches and depressions; common.
JKE #3703, *JKE* #3715.
10. *Juncus scirpoides* Lamarck var. *scirpoides* – NEEDLEPOD RUSH. Ditches and other wet areas; common. [*Juncus scirpoides* Lamarck var. *compositus* R.M. Harper; *Juncus scirpoides* Lamarck var. *meridionalis* Buchenau]. *JKE* #2551, *JKE* #4306.
11. *Juncus tenuis* Willdenow – PATH RUSH. Dry to moist soils along roads and fields; common. [*Juncus tenuis* Willdenow var. *williamsii* Fernald]. *JKE* #1814, *JKE* #1877, *JKE* #2414, *JKE* #2426, *JKE* #2432.
12. *Juncus torreyi* Coville – TORREYS RUSH. Bogs along roadside; infrequent. *R. Kral* 31208 (VDB), *JKE* #2956, *JKE* #3526.
13. *Juncus validus* Coville var. *validus* – VIGOROUS RUSH. Margins of streams and ponds, roadsides, and other wet disturbed areas; common. [*Juncus crassifolius* Buchenau]. *JKE* #4308.

2. *Luzula* A.P. de Candolle

1. *Luzula bulbosa* (Wood) Smyth & Smyth – BULBOUS WOOD RUSH. Dry forests and fields; common. [*Juncooides bulbosum* (AlphonsoWood) Small; *Luzula campestris* (Linnaeus) A.P. de Candolle var. *bulbosa* Alphonso Wood]. *JKE* #1752, *JKE* #1817.

2. *Luzula echinata* (Small) F.J. Hermann – SPREADING WOOD RUSH. Forests and moist areas; common. [*Juncoides echinatum* Small; *Luzula campestris* (Linnaeus) A.P. de Candolle var. *echinata* (Small) Fernald & Wiegand]. *JKE #1891*.

LILIACEAE A.L. de Jussieu 1789
Lily Family

1. *Erythronium* Linnaeus

1. *Erythronium rostratum* W. Wolf – BEAKED TROUT LILY. Rich, floodplain woods; rare. *JKE #2653*.

2. *Lilium* Linnaeus

1. *Lilium michauxii* Poiret – CAROLINA LILY. Mesic woods on slope; rare. [*Lilium carolinianum* Michaux, non Bosc ex Lamarck]. *R. Kral 22049* (VDB).
2. *Lilium* sp. – Specimen undetermined at time of publication. Species is likely to be *Lilium superbum* L.; low flatwoods under canopy. *JKE # 4374*.

NARTHECIACEAE E.M. Fries 1846
Bog Asphodel Family

1. *Aletris* Linnaeus

1. *Aletris farinosa* Linnaeus – NORTHERN WHITE COLIC ROOT. Sandy roadside; rare. *R. Kral 42951* (VDB).

ORCHIDACEAE A.L. de Jussieu 1789
Orchid Family

1. *Listera* R. Brown

1. *Listera australis* Lindley – SOUTHERN TWAYBLADE. Floodplain woods; infrequent.

[*Ophrys australis* (Lindley) House]. *JKE* #1637.

2. *Platanthera* L.C. Richard

1. *Platanthera ciliaris* (Linnaeus) Lindley – YELLOW FRINGED ORCHID. Bog in roadside swale; rare. [*Blephariglotis ciliaris* (Linnaeus) Rydberg; *Habenaria ciliaris* (Linnaeus) R. Brown ex W.T. Aiton]. *R. Kral* 40170 (VDB).
2. *Platanthera clavellata* (Michaux) Luer – SMALL GREEN WOOD ORCHID. Low woods near acidic seep; rare. [*Gymnadeniopsis clavellata* (Michaux) Rydberg; *Habenaria clavellata* (Michaux) Sprengel var. *clavellata*; *Habenaria clavellata* (Michaux) Sprengel var. *wrightii* Olive]. *JKE* #3744.
3. *Platanthera cristata* (Michaux) Lindley – CRESTED FRINGED ORCHID. Roadside bog; rare. [*Blephariglotis cristata* (Michaux) Rafinesque; *Habenaria cristata* (Michaux) R. Brown ex W.T. Aiton]. *JKE* #3735.
4. *Platanthera flava* (Linnaeus) Lindley var. *flava* – SOUTHERN GYPSY SPIKE. Low, flatwoods; rare. [*Habenaria flava* (Linnaeus) R. Brown; *Perularia bidentata* (Elliott) Small; *Platanthera flava* (Linnaeus) Farwell; *Platanthera scutellata* (Nuttall) Small]. *JKE* #3755.

3. *Spiranthes* L.C. Richard

1. *Spiranthes cernua* (Linnaeus) L.C. Richard – NODDING LADIES TRESSES. Drainage in mesic woods; rare. [*Gyrostachys cernua* (Linnaeus) Kuntze; *Ibidium cernuum* (Linnaeus) House]. *JKE* #1257.
2. *Spiranthes magnicamporum* Sheviak – GREAT PLAINS LADIES TRESSES. Prairies; rare. *JKE* #1434, *JKE* #1481.
3. *Spiranthes ovalis* Lindley var. *ovalis* – OVAL LADIES TRESSES. Mesic woods; rare.

[*Ibidium ovale* (Lindley) House]. *R. Kral* 59397 (VDB).

4. *Spiranthes vernalis* Engelman & A. Gray – SPRING LADIES TRESSES. Lawns on prairie; rare. [*Ibidium vernale* (Engelman & A. Gray) House]. *JKE* #2439.

4. *Tipularia* Nuttall

1. *Tipularia discolor* (Pursh) Nuttall – CRANEFLY ORCHID. Mesic woods; infrequent. [*Tipularia unifolia* Britton, Sterns & Poggenburg]. *JKE* #1193.

POACEAE (R. Brown) Barnhart 1895
Grass Family

1. *Agrostis* Linnaeus

1. *Agrostis hyemalis* (Walter) Britton, Sterns, & Poggenburg – TICKLEGRASS. Roadsides and disturbed areas; common. *JKE* #4163.

2. *Aira* Linnaeus

1. *Aira caryophyllea* Linnaeus – SILVER HAIR GRASS ‡. Fields, roadsides and other disturbed areas; common. [*Aspris caryophyllea* (Linnaeus) Nash]. *JKE* #4166.
2. *Aira elegans* Willdenow ex Roemer & Schultes – ELEGANT HAIR GRASS ‡. Fields, roadsides and other disturbed areas; common. [*Aira caryophyllea* Linnaeus var. *capillaris* (Host) Mutel; *Aira elegantissima* Schur; *Aspris capillaris* (Host) Hitchcock]. *JKE* #4268.

3. *Alopecurus* Linnaeus

1. *Alopecurus myosuroides* Hudson – SLENDER FOXTAIL GRASS ‡. Moist fields and roadsides; common. *JKE* #1720.

4. *Andropogon* Linnaeus

1. *Andropogon glomeratus* (Walter) Britton, Sterns, & Poggenburg – TUFTED BUSHY

BLUESTEM. Fields, roadsides, and other moist disturbed areas; common.

[*Andropogon virginicus* Linnaeus var. *abbreviatus* (Hackel) Fernald & Griscom].

JKE #1493.

2. ***Andropogon gyrans*** W.W. Ashe – ELLIOTT'S BLUESTEM. Moist forests, woodlands, and disturbed areas; rare. [*Andropogon campyloracheus* Nash; *Andropogon elliottii* Chapman var. *elliottii*; *Andropogon elliottii* Chapman var. *gracilior* Hackel; *Andropogon elliottii* Chapman var. *projectus* Fernald & Griscom; *Andropogon subtenuis* Nash]. R. Kral 29588B (VDB).
3. ***Andropogon ternarius*** Michaux var. ***ternarius*** – SPLITBEARD BLUESTEM. Dry to moist soils; rare. [*Andropogon argyraeus* J.A. Schultes; *Andropogon ternarius* Michaux var. *glaucescens* (Scribner) Fernald & Griscom]. R. Kral 29588A (VDB).

5. ***Aristida*** Linnaeus

1. ***Aristida dichotoma*** Michaux – FORK TIP THREE AWN. Roadsides, fields and other disturbed areas; rare. R. Kral 29593B (VDB).
2. ***Aristida geniculata*** Rafinesque – NORTHEASTERN SLIM SPIKE THREE AWN. Roadsides, fields and other disturbed areas; infrequent. [*Aristida intermedia* Scribner & Ball; *Aristida longespica* Poiret var. *geniculata* (Rafinesque) Fernald]. JKE #1375.
3. ***Aristida oligantha*** Michaux – PRAIRIE THREE AWN. Roadsides, fields and other disturbed areas; rare. R. Kral 29593A (VDB).
4. ***Aristida purpurascens*** Poiret – ARROWFEATHER. Sandy roadsides, fields and other disturbed areas; infrequent. [*Aristida purpurascens* Poiret var. *minor* Vasey]. R.

Kral 29874, JKE #3181.

5. *Aristida tenuispica* A.S. Hitchcock – SOUTHERN ARROWFEATHER. Sandy habitats; rare. [*Aristida purpurascens* Poiret var. *tenuispica* (Hitchcock) Allred]. A. Schotz 2044 (UNA).

6. *Arundinaria* Michaux

1. *Arundinaria gigantea* (Walter) Muhlenberg – RIVER CANE. Mesic ravines and riparian zones near streams and rivers; common. [*Arundinaria macrosperma* Michaux]. *JKE #1738.*

7. *Arundo* Linnaeus

1. *Arundo donax* Linnaeus – GIANT REED ‡. Roadside ditches, old home sites, and lawns; common. [*Arundo donax* Linnaeus var. *versicolor* (P. Miller) Stokes]. *JKE #2966.*

8. *Axonopus* Palisot de Beauvois

1. *Axonopus fissifolius* (Raddi) Kuhlmann – COMMON CARPET GRASS. Roadsides, lawns, and other disturbed areas; common. [*Axonopus affinis* Chase; *Paspalum fissifolium* Raddi]. *JKE #3725.*

9. *Bothriochloa* Kuntze

1. *Bothriochloa ischaemum* (Linnaeus) Keng var. *songarica* (Ruprecht ex Fischer & C.A. Meyer) Celarier & Harlan – KING RANCH BLUESTEM ‡. Disturbed areas; common. [*Andropogon ischaemum* Linnaeus]. *JKE #1370, JKE #3195.*
2. *Bothriochloa laguroides* (A.P. de Candolle) Herter ssp. *torreyana* (Steudel) Allred & Gould – SILVER BLUESTEM ‡. Disturbed areas; common. [*Andropogon saccharoides* Swartz var. *torreyanus* (Steudel) Hackel; *Bothriochloa saccharoides*

(Swartz) Rydberg]. *JKE* #3637.

3. *Bothriochloa pertusa* (Linnaeus) A. Camus – PITTED BLUESTEM ‡. Disturbed areas; rare. This represents the first known collection of this taxon in Alabama (1 Oct 2011), later documented (Diamond et al. 2013) to occur in Bullock County, Macon County, Montgomery County, and Pickens County. [*Andropogon pertusus* (Linnaeus) Willdenow]. *JKE* #3195.

10. *Briza* Linnaeus

1. *Briza minor* Linnaeus – LESSER QUAKING GRASS ‡. Moist disturbed areas; common. *JKE* #1717.

11. *Bromus* Linnaeus

1. *Bromus catharticus* Vahl var. *catharticus* – RESCUE GRASS ‡. Disturbed areas; common. [*Bromus unioloides* Kunth; *Bromus willdenowii* Kunth]. *JKE* #1879.
2. *Bromus commutatus* Schrader – HAIRY CHESSE ‡. Disturbed areas; common. *JKE* #3502.
3. *Bromus pubescens* Muhlenberg ex Willdenow – COMMON EASTERN BROME. Mesic prairie woods; infrequent. [*Bromus laeviglumis* (Scribner) Hitchcock; *Bromus purgans* auct. non Linnaeus; *Bromus purgans* Linnaeus var. *laeviglumis* (Scribner ex Shear) Swallen]. *JKE* #4240.
4. *Bromus secalinus* Linnaeus – COMMON CHESSE ‡. Disturbed areas; common. *JKE* #4175.
5. *Bromus tectorum* Linnaeus – DOWNY BROME ‡. Disturbed areas; common. *JKE* #3672.

12. *Cenchrus* Linnaeus

1. *Cenchrus incertus* M.A. Curtis – COASTAL SANDSPUR. Fields, roadsides, and other disturbed areas; rare. [*Cenchrus pauciflorus* Bentham; *Cenchrus spinifex* Cavanilles]. *J.L. Thomas 2426* (UNA).

13. *Chasmanthium* Link

1. *Chasmanthium latifolium* (Michaux) Yates – RIVER OATS. Riverbanks, low woods and mesic slopes; common. [*Uniola latifolia* Michaux]. *JKE #1182*.
2. *Chasmanthium sessiliflorum* (Poiret) Yates var. *sessiliflorum* – LONGLEAF SPIKEGRASS. Moist hardwood forests and other moist woods; common. [*Uniola longifolia* Scribner; *Uniola sessiliflora* Poiret]. *JKE #1193*.

14. *Coleataenia* Grisebach

1. *Coleataenia anceps* (Michaux) Soreng ssp. *anceps* – BEAKED PANIC GRASS. Moist ditches, fields, and other disturbed areas; common. [*Panicum anceps* Michaux var. *anceps*; *Panicum anceps* Michaux ssp. *anceps*; *Panicum rostratum* Muhlenberg ex Willdenow; *Sorengia anceps* (Michaux) Zuloaga & Morrone ssp. *anceps*]. *JKE #3017*.
2. *Coleataenia longifolia* (Torrey) Soreng ssp. *longifolia* – LONG LEAVED PANIC GRASS. Wet roadside ditch; infrequent. [*Panicum longifolium* Torrey var. *longifolium*; *Panicum rigidulum* Bosc ex Nees var. *pubescens* (Vasey) Lelong; *Panicum rigidulum* Bosc ex Nees ssp. *pubescens* (Vasey) Freckmann & Lelong; *Sorengia longifolia* (Torrey) Zuloaga & Morrone ssp. *longifolia*]. *JKE #4274*.
3. *Coleataenia rigidula* (Bosc ex Nees) LeBlond ssp. *rigidula* – REDTOP PANIC GRASS. Wet sandy ditches; infrequent. [*Coleataenia longifolia* (Torrey) Soreng ssp. *rigidula* (Bosc ex Nees) Soreng; *Panicum agrostoides* Sprengel; *Panicum*

elongatum Pursh var. *ramosius* C. Mohr; *Panicum rigidulum* Bosc ex Nees var. *rigidulum*; *Panicum rigidulum* Bosc ex Nees ssp. *rigidulum*; *Sorengia longifolia* (Torrey) Zuloaga & Morrone ssp. *rigidula* (Bosc ex Nees) Zuloaga & Morrone].
JKE #971, *JKE* #3706.

15. *Cynodon* L.C. Richard

1. *Cynodon dactylon* (Linnaeus) Persoon – BERMUDA GRASS ‡. Lawns, fields, and other disturbed areas; common. [*Capriola dactylon* (Linnaeus) Kuntze]. *JKE* #2079.

16. *Dactylis* Linnaeus

1. *Dactylis glomerata* Linnaeus – ORCHARD GRASS ‡. Fields, woodland edges and roadsides; common. [*Dactylis glomerata* Linnaeus var. *detonsa* Fries; *Dactylis glomerata* Linnaeus var. *ciliata* Petermann]. *JKE* #4244.

17. *Danthonia* A.P. de Candolle

1. *Danthonia sericea* Nuttall – SILKY OAT GRASS. Upland woods; common. *JKE* #3507.
2. *Danthonia spicata* (Linnaeus) Palisot de Beauvois ex Roemer & J.A. Schultes – POVERTY OAT GRASS. Dry woods; common. [*Danthonia spicata* (Linnaeus) Beauvois ex Roemer & J.A. Schultes var. *longipila* Lamson-Scribner & Merrill].
JKE #3423, *JKE* #4241.

18. *Desmazeria* Dumortier

1. *Desmazeria rigida* (Linnaeus) Tutin – FERN GRASS ‡. Open areas in prairie soils; rare. [*Catapodium rigidum* (Linnaeus) C.E. Hubbard ex Dony; *Scleropoa rigida* (Linnaeus) Grisebach]. *JKE* #3439.

19. *Dichanthelium* (A.S. Hitchcock & Chase) Gould1. *Dichanthelium aciculare* (Desvaux ex Poiret) Gould & Clark – NEEDLE

WITCHGRASS. Sandy woods and fields; common. [*Panicum aciculare* Desvaux ex Poiret; *Panicum arenicola* Ashe; *Panicum bennettense* M.V. Brown]. *JKE* #4417.

2. *Dichanthelium acuminatum* (Swartz) Gould & Clark var. *fasciculatum* (Torrey)

Freckmann – SLENDER STEMMED WITCHGRASS. Clear-cuts, open woods and thickets; common. [*Dichanthelium acuminatum* (Swartz) Gould & C.A. Clark ssp. *implicatum* (Scribner) Freckmann & Lelong, *pro parte*; *Dichanthelium acuminatum* (Swartz) Gould & C.A. Clark var. *implicatum* (Scribner) Gould & C.A. Clark; *Dichanthelium acuminatum* (Swartz) Gould & C.A. Clark var. *fasciculatum* (Torrey) Freckmann; *Panicum acuminatum* Swartz var. *implicatum* (Scribner) Beetle; *Panicum acuminatum* Swartz var. *fasciculatum* (Torrey) Lelong; *Panicum acuminatum* Swartz var. *unciphyllum* (Trinius) Lelong, *pro parte*; *Panicum huachucae* Ashe var. *fasciculatum* (Torrey) Hubbard; *Panicum huachucae* Ashe var. *huachucae*; *Panicum implicatum* Scribner; *Panicum lanuginosum* Elliott var. *fasciculatum* (Torrey) Fernald; *Panicum lanuginosum* Elliott var. *tennesseense* (Ashe) Gleason; *Panicum tennesseense* Ashe]. *JKE* #2995.

3. *Dichanthelium acuminatum* (Swartz) Gould & C.A. Clark var. *lindheimeri* (Nash)

Gould & C.A. Clark – LINDHEIMERS WITCHGRASS. Clear-cuts, open woods and thickets; common. [*Dichanthelium acuminatum* (Swartz) Gould & C.A. Clark var. *lindheimeri* (Nash) Gould & C.A. Clark; *Panicum acuminatum* Swartz var.

lindheimeri (Nash) Lelong; *Panicum lanuginosum* Elliott var. *lindheimeri* (Nash) Fernald; *Panicum lanuginosum* Elliott var. *septentrionale* Fernald; *Panicum lindheimeri* Nash]. *JKE* #2470.

4. ***Dichanthelium angustifolium*** (Elliott) Gould – NARROW LEAVED WITCHGRASS. Sandy woods and fields; common. [*Dichanthelium aciculare* (Desvaux ex Poiret) Gould & C.A. Clark ssp. *angustifolium* (Elliott) Freckmann & Lelong; *Panicum aciculare* Desvaux ex Poiret var. *angustifolium* (Elliott) J. Wipff & S.D. Jones; *Panicum angustifolium* Elliott]. *JKE* #2996, *JKE* #4409.
5. ***Dichanthelium boscii*** (Poiret) Gould & Clark – BOSCS WITCHGRASS. Shaded, mesic woods; common. [*Panicum boscii* Poiret var. *boscii*; *Panicum boscii* Poiret var. *molle* (Vasey) Hitchcock & Chase; *Panicum pubifolium* Nash]. *JKE* #1968, *JKE* #2068, *JKE* #2985.
6. ***Dichanthelium commutatum*** (Schultes) Gould var. ***commutatum*** – VARIABLE WITCHGRASS. Low woods and woodland edges; common. [*Dichanthelium commutatum* (J.A. Schultes) Gould var. *commutatum*; *Panicum commutatum* J.A. Schultes var. *commutatum*; *Panicum mutabile* Scribner & J.G. Smith]. *JKE* #1880, *JKE* #4160.
7. ***Dichanthelium depauperatum*** (Muhlenberg) Gould – STARVED WITCHGRASS. Dry soils in fields and woodlands; common. [*Panicum depauperatum* Muhlenberg var. *depauperatum*; *Panicum depauperatum* Muhlenberg var. *psilophyllum* Fernald]. *JKE* #1954.
8. ***Dichanthelium dichotomum*** (Linnaeus) Gould var. ***ramulosum*** (Torrey) LeBlond-
BRANCHED WITCHGRASS. Low floodplain forests, swamps, and riparian zones;

common. [*Dichantherium dichotomum* (Linnaeus) Gould ssp. *microcarpon* (Muhlenberg ex Elliott) Freckmann & Lelong; *Panicum dichotomum* Linnaeus var. *ramulosum* (Torrey) Lelong; *Panicum microcarpon* Muhlenberg ex Elliott; *Panicum nitidum* Lamarck var. *ramulosum* Torrey; *Dichantherium microcarpon* (Muhlenberg ex Elliott) Mohlenbrock]. JKE #2519, JKE #2555, JKE #4446

9. ***Dichantherium laxiflorum*** (Lamarck) Gould – OPEN FLOWER WITCHGRASS. Moist, open and shaded woods; common. [*Panicum laxiflorum* Lamarck; *Panicum pyriforme* Nash; *Panicum xalapense* Kunth var. *strictirameum* Hitchcock & Chase; *Panicum xalapense* Kunth var. *xalapense*]. JKE #1955, JKE #1977, JKE #2997, JKE #4148, JKE #4302.
10. ***Dichantherium polyanthes*** (Schultes) Mohlenbrock – SMALL FRUITED WITCHGRASS. Various moisture in woods and ditches; common. [*Dichantherium sphaerocarpon* Elliott var. *isophyllum* (Scribner) Gould & C.A. Clark; *Panicum polyanthes* J.A. Schultes]. JKE #2984, JKE #4418.
11. ***Dichantherium scoparium*** (Lamarck) Gould – VELVET WITCHGRASS. Moist sandy woods and ditches; common. [*Panicum pubescens* Lamarck; *Panicum scoparium* Lamarck; *Panicum viscidum* Elliott]. JKE #2472, JKE #2994, JKE #4419.
12. ***Dichantherium sphaerocarpon*** (Elliott) Gould – ROUND FRUITED WITCHGRASS. Woods and ditches; common. [*Panicum sphaerocarpon* Elliott var. *inflatum* (Scribner & J.G. Smith) Hitchcock & Chase; *Panicum sphaerocarpon* Elliott var. *sphaerocarpon*]. JKE #4155.

20. ***Digitaria*** Haller

1. *Digitaria ciliaris* (Retzius) Köler – SOUTHERN CRAB GRASS. Fields, lawns, and roadsides; common. [*Digitaria sanguinalis* (Linnaeus) Scopoli var. *ciliaris* (Retzius) Parlatore]. *JKE #988, JKE #2954, JKE #3638.*
2. *Digitaria cognata* (J.A. Schultes) Pilger – FALL WITCHGRASS. Fields and roadsides; common. [*Leptoloma cognatum* (J.A. Schultes) Chase; *Panicum cognatum* J.A. Schultes]. *JKE #3185.*
3. *Digitaria villosa* (Walter) Persoon – SHAGGY CRABGRASS. Fields, lawns, and roadsides; rare. [*Digitaria filiformis* (Linnaeus) Köler var. *villosa* (Walter) Fernald; *Syntherisma villosa* Walter]. *R. Kral 29594A (VDB).*
4. *Digitaria violascens* Link – VIOLET CRABGRASS ‡. Fields, lawns, and roadsides; rare. [*Digitaria ischaemum* (Schreber) Muhlenberg var. *violascens* (Link) Radford]. *R. Kral 29868 (VDB).*

21. *Dinebra* Jacquin

1. *Dinebra panicoides* (J. Presl) P.M. Peterson & N. Snow – AMAZON SPRANGLETOP ‡. Lake margins and drawdowns; infrequent. [*Diplachne panicoides* (J. Presl) McNeill; *Leptochloa floribunda* Döll; *Leptochloa panicoides* (J. Presl) Hitchcock]. *JKE #1398, JKE #2934.*

22. *Echinochloa* Palisot de Beauvois

1. *Echinochloa colonum* (Linnaeus) Link – JUNGLE RICE ‡. Fields and ditches; common. [*Panicum colonum* Linnaeus]. *JKE #913.*
2. *Echinochloa muricata* (Palisot de Beauvois) Fernald var. *muricata* – BARNYARD GRASS ‡. Wet areas along ditches and marshes; infrequent. [*Echinochloa pungens* (Poiret) Rydberg var. *ludoviciana* (Wiegand) Fernald & Griscom;

Echinochloa pungens (Poir.) Rydberg var. *pungens*]. *JKE #4437*.

23. *Eleusine* Gaertner

1. *Eleusine indica* (Linnaeus) Gaertner – YARD GRASS ‡. Lawns, roadsides and other disturbed areas; common. *JKE #3685*.

24. *Elymus* Linnaeus

1. *Elymus glabriflorus* (Vasey) Scribner & Ball var. *glabriflorus* – SOUTHEASTERN WILD RYE. Roadsides; common. [*Elymus virginicus* Linnaeus var. *glabriflorus* (Vasey) Bush]. *JKE #3671*, *JKE #4301*.
2. *Elymus virginicus* Linnaeus var. *virginicus* – COMMON EASTERN WILD RYE. Roadsides; common. [*Elymus striatus* Willdenow]. *JKE #2934*, *JKE #2948*, *JKE #3521*.

25. *Eragrostis* Wolf

1. *Eragrostis cilianensis* (Allioni) Vignolo ex Janchen – STINKGRASS ‡. Fields and other disturbed areas; common. [*Eragrostis major* Host; *Eragrostis megastachya* (Köler) Link]. *JKE #3082*, *JKE #3644*.
2. *Eragrostis hirsuta* (Michaux) Nees – BIGTOP LOVEGRASS. Fields, roadsides, and other disturbed areas; common. *JKE #1252*.
3. *Eragrostis hypnoides* (Lamarck) Britton, Sterns, & Poggenburg – CREEPING LOVEGRASS. Marshes and low ditches; common. *JKE #2938*, *JKE #3591*.
4. *Eragrostis minor* Host – LITTLE LOVEGRASS ‡. Disturbed areas; common. [*Eragrostis eragrostis* (Linnaeus) Beauvois; *Eragrostis poaeoides* Beauvois ex Roemer & J.A. Schultes]. *JKE #3083*, *JKE #3647*.

26. *Eremochloa* Büse

1. *Eremochloa ophiuroides* (Munro) Hackel – CENTIPEDE GRASS ‡. Lawns, roadsides, and disturbed areas; common. *JKE #1368, JKE #4303.*

27. *Festuca* Linnaeus

1. *Festuca subverticillata* (Persoon) Alexeev – NODDING FESCUE. Moist to wet forests and disturbed areas; common. [*Festuca obtusa* Biehler]. *JKE #4159.*

28. *Glyceria* R. Brown

1. *Glyceria striata* (Lamarck) A.S. Hitchcock var. *striata* – FOWL MANNAGRASS. Marshes and swamp forests; common. [*Panicularia nervata* (Willdenow) Kuntze; *Panicularia striata* (Lamarck) Hitchcock]. *JKE #2473, JKE# 4178, JKE #4267.*

29. *Gymnopogon* Palisot de Beauvois

1. *Gymnopogon ambiguus* (Michaux) Britton, Sterns, & Poggenburg – EASTERN SKELETON GRASS. Prairies and woodlands; rare. *R. Kral 29589 (VDB).*
2. *Gymnopogon brevifolius* Trinius – PINELAND SKELETON GRASS. Dry woods; rare. *R. Kral 29871 (VDB).*

30. *Hordeum* Linnaeus

1. *Hordeum pusillum* Nuttall – LITTLE BARLEY. Roadsides, ditches, and other disturbed areas. *JKE #4178A.*

31. *Imperata* Cirillo

1. *Imperata cylindrica* (Linnaeus) Palisot de Beauvois – COGONGRASS ‡. Disturbed areas; infrequent. [*Imperata brasiliensis* Trinius; *Imperata cylindrica* (Linnaeus) Beauvois var. *mexicana* (Ruprecht) D.B. Ward]. *JKE #3421.*

32. *Leersia* Swartz

1. *Leersia virginica* Willdenow – WHITE GRASS. Floodplain forests; common.

[*Homalocenchrus virginicus* (Willdenow) Britton]. *JKE* #3520, *JKE* #3707.

33. *Lolium* Linnaeus

1. *Lolium perenne* Linnaeus var. *aristatum* Willdenow – ITALIAN RYE GRASS ‡.

Roadsides and other disturbed areas; common. [*Lolium multiflorum* Lamarck;

Lolium perenne Linnaeus ssp. *multiflorum* (Lamarck) Husnot]. *JKE* #1787, *JKE*

#4171.

2. *Lolium perenne* Linnaeus var. *perenne* – ENGLISH RYE GRASS ‡. Roadsides and

other disturbed areas; common. *JKE* #3524.

34. *Melica* Linnaeus

1. *Melica mutica* Walter – TWO FLOWER MELIC. Forests and woodlands; common.

JKE #1974.

35. *Muhlenbergia* Schreber

1. *Muhlenbergia capillaris* (Lamarck) Trinius – HAIRGRASS. Prairie and other open

areas; common. *JKE* #1377.

36. *Oplismenus* Palisot de Beauvois

1. *Oplismenus hirtellus* (Linnaeus) Palisot de Beauvois ssp. *setarius* (Lamarck) Mez –

WOODS GRASS. Moist forests; common. [*Oplismenus setarius* (Lamarck)

Roemer & J.A. Schultes]. *JKE* #1177.

37. *Panicum* Linnaeus

1. *Panicum flexile* (Gattinger) Scribner – WIRY PANIC GRASS. Prairies; rare. *R. Kral*

33114 (VDB).

2. *Panicum repens* Linnaeus – TORPEDO GRASS ‡. Edge of backwaters, ponds, and

ditches; common. [*Panicum gouinii* E. Fournier; *Panicum littorale* C. Mohr].
JKE #2940.

3. *Panicum verrucosum* Muhlenberg – WARTY PANIC GRASS. Marshes and ditches; common. *JKE #1254*
4. *Panicum virgatum* Linnaeus var. *virgatum* – SWITCHGRASS. Shoreline of backwaters and sandy soils in ditch; common. *JKE #3084.*

38. *Paspalum* Linnaeus

1. *Paspalum dilatatum* Poiret ssp. *dilatatum* – DALLIS GRASS ‡. Roadsides, fields, and other disturbed areas; common. *JKE #998.*
2. *Paspalum distichum* Linnaeus – JOINT PASPALUM. Marshes; common. [*Paspalum paspaloides* (Michaux) Scribner]. *JKE #2939.*
3. *Paspalum floridanum* Michaux – FLORIDA PASPALUM. Moist forests; common. [*Paspalum difforme* J. LeConte; *Paspalum floridanum* Michaux var. *glabratum* Engelmann ex Vasey; *Paspalum giganteum* Baldwin ex Vasey; *Paspalum glabratum* (Engelmann ex Vasey) C. Mohr]. *JKE #1135, JKE #1413.*
4. *Paspalum notatum* Flügge – BAHIA GRASS ‡. Roadsides and other disturbed areas; common. [*Paspalum notatum* Flügge var. *saurae* Parodi]. *JKE #1267.*
5. *Paspalum urvillei* Steudel – VASEY GRASS ‡. Roadsides, fields, and other disturbed areas; common. *JKE #1199.*

39. *Phalaris* Linnaeus

1. *Phalaris caroliniana* Walter – MAYGRASS. Ditches and roadsides; infrequent. *JKE #2022.*

40. *Phanopyrum* (Rafinesque) Nash

1. *Phanopyrum gymnocarpon* (Elliott) Nash – SWAMP PHANOPYRUM. Swamps and disturbed wet soils; common. [*Panicum gymnocarpon* Elliott]. *JKE #3757*.

41. *Phyllostachys* Siebold & Zuccarini

1. *Phyllostachys aurea* Carrière ex A. & C. Rivière – GOLDEN BAMBOO ‡. Moist disturbed areas; infrequent. *JKE #4743*.

42. *Piptochaetium* J. Presl

1. *Piptochaetium avenaceum* (Linnaeus) Parodi – EASTERN NEEDLEGRASS. Dry roadsides and upland woods; common. [*Stipa avenacea* Linnaeus]. *JKE #4242*.

43. *Poa* Linnaeus

1. *Poa annua* Linnaeus – SPEARGRASS ‡. Lawns, and other disturbed areas; common. *JKE #1583*.
2. *Poa autumnalis* Muhlenberg ex Elliott – AUTUMN BLUEGRASS. Rich woods; common. *JKE #1896*, *JKE #1973*, *JKE #4162*.
3. *Poa compressa* Linnaeus – CANADA BLUEGRASS ‡. Fields, roadsides and other disturbed areas; common. *JKE #4133*.

44. *Saccharum* Linnaeus

1. *Saccharum alopecuroides* (Linnaeus) Nuttall – SILVER PLUME GRASS. Fields, roadsides and woodland borders; rare. [*Erianthus divaricatus* (Linnaeus) Hitchcock; *Erianthus alopecuroides* (Linnaeus) Elliott]. *R. Kral 29585 (VDB)*.
2. *Saccharum baldwinii* Sprengel – NARROW PLUME GRASS. Shoreline of backwaters; infrequent. [*Erianthus strictus* Baldwin]. *JKE #1467*.
3. *Saccharum brevibarbe* (Michaux) Persoon var. *contortum* (Elliott) R. Webster – BENT AWN PLUME GRASS. Woodlands and forests; rare. [*Erianthus coarctatus*

Baldwin *ex* Elliott var. *elliottianus* Fernald; *Erianthus smallii* Nash; *Saccharum contortum* (Elliott) Nuttall; *Erianthus contortus* Baldwin *ex* Elliott]. *R. Kral* 29594B (VDB).

4. ***Saccharum giganteum*** (Walter) Persoon – SUGARCANE PLUME GRASS. Marshes, ditches and other disturbed wet areas; common. [*Erianthus giganteus* (Walter) Muhlenberg var. *compactus* (Nash) Fernald; *Erianthus saccharoides* Michaux; *Erianthus giganteus* (Walter) Beauvois]. *JKE #1208*.

45. ***Schedonorus*** Palisot de Beauvois

1. ***Schedonorus arundinaceus*** (Schreber) Dumortier – TALL FESCUE ‡. Roadsides, fields, and other disturbed areas; common. [*Festuca arundinacea* Schreber; *Festuca elatior* Linnaeus var. *arundinacea* (Schreber) Wimmer; *Lolium arundinaceum* (Schreber) S.J. Darbyshire; *Schedonorus phoenix* (Scopoli) Holub]. *JKE #3722*, *JKE #4131*.

46. ***Schizachyrium*** Nees

1. ***Schizachyrium scoparium*** (Michaux) Nash var. *scoparium* – COMMON LITTLE BLUESTEM. Prairies and other dry habitats; common. [*Andropogon praematurus* Fernald; *Andropogon scoparius* Michaux var. *frequens* F.T. Hubbard; *Andropogon scoparius* Michaux var. *polycladus* Scribner & Ball; *Andropogon scoparius* Michaux var. *scoparius*]. *JKE #1381*, *JKE #1438*.

47. ***Setaria*** Palisot de Beauvois

1. ***Setaria parviflora*** (Poiret) Kerguélen – KNOTROOT BRISTLEGRASS. Moist disturbed areas; rare. [*Chaetochloa geniculata* (Lamarck) Millspaugh & Chase; *Chaetochloa gracilis* Scribner & Merrill; *Chaetochloa imberbis* (Poiret) Scribner;

Chaetochloa imberbis (Poiret) Scribner var. *perennis* (Hall) Scribner & Merrill;
Setaria geniculata auct. non (Willdenow) Beauvois]. *J.L. Thomas 2429* (UNA).

2. *Setaria pumila* (Poiret) Roemer & Schultes ssp. *pumila* – YELLOW FOXTAIL ‡.
 Roadsides and other disturbed areas; common. [*Chaetochloa glauca* (Linnaeus) Scribner; *Setaria glauca* (Linnaeus) Beauvois; *Setaria lutescens* (Weigel) F.T. Hubbard]. *JKE #986, JKE #1203, JKE #3196, JKE #3676.*

48. *Sorghastrum* Nash

1. *Sorghastrum nutans* (Linnaeus) Nash – YELLOW INDIANGRASS. Prairies and other dry habitats; common. [*Chrysopogon avenaceus* (Michaux) Chapman; *Chrysopogon nutans* (Linnaeus) Bentham var. *linnaeanus* (Hackel) C. Mohr]. *JKE #1364.*
2. *Sorghastrum secundum* (Elliott) Nash – LOPSIDED INDIANGRASS. Upland woods; rare. *R. Kral 29587* (VDB).

49. *Sorghum* Moench

1. *Sorghum halepense* (Linnaeus) Persoon – JOHNSON GRASS. Disturbed areas; common. [*Holcus halepensis* Linnaeus]. *JKE #1202.*

50. *Sphenopholis* Scribner

1. *Sphenopholis intermedia* (Rydberg) Rydberg – SLENDER WEDGEGRASS. Rich woods; infrequent. [*Sphenopholis obtusata* (Michaux) Scribner var. *major* (Torrey) K.S. Erdman]. *JKE #4167.*
2. *Sphenopholis nitida* (Biehler) Scribner – SHINY WEDGESCALE. Moist forests and bottomland woods; infrequent. [*Eatonia nitida* (Biehler) Nash; *Sphenopholis nitida* (Biehler) Scribner var. *glabra* (Nash) Scribner]. *JKE #4161.*

3. *Sphenopholis obtusata* (Michaux) Scribner – PRAIRIE WEDGEGRASS. Prairie woods, roadsides, and disturbed areas; common. [*Eatonia obtusata* (Michaux) A. Gray; *Sphenopholis obtusata* (Michaux) Scribner var. *pubescens* (Lamson-Scribner & Merrill) Lamson-Scribner]. *JKE #4132*.

51. *Sporobolus* R. Brown

1. *Sporobolus clandestinus* (Biehler) A.S. Hitchcock – ROUGH DROPSEED. Barrens in thin soils; rare. [*Sporobolus asper* (Beauvois) Kunth var. *clandestinus* (Biehler) Shinnery; *Sporobolus compositus* (Poiret) Merrill var. *clandestinus* (Biehler) J. Wipff & S.D. Jones; *Sporobolus longifolius* (Torrey) Alphonso Wood]. *R. Kral 29592* (VB), *R. Kral 29618* (VDB).
2. *Sporobolus indicus* (Linnaeus) R. Brown – SMUT GRASS ‡. Lawns and other disturbed areas; common. [*Sporobolus berterianus* (Trinius) Hitchcock & Chase; *Sporobolus poiretii* (Roemer & J.A. Schultes) Hitchcock]. *JKE #1378*.
3. *Sporobolus vaginiflorus* (Torrey ex A. Gray) Wood – POVERTY DROPSEED. Barrens in thin soils; rare. *R. Kral 29626* (VDB), *R. Kral 29628* (VDB).

52. *Steinchisma* Rafinesque

1. *Steinchisma hians* (Elliott) Nash – GAPING PANIC GRASS. Floodplains, marshes, and ditches; rare. [*Panicum hians* Elliott; *Panicum melicarium* auct. non Michaux]. *R. Kral 29610* (VDB), *R. Kral. 29873* (VDB).

53. *Tridens* Roemer & J.A. Schultes

1. *Tridens flavus* (Linnaeus) A.S. Hitchcock – REDTOP. Roadsides, fields and other disturbed areas; common. [*Sieglingia sesleroides* (Michaux) Scribner; *Triodia flava* (Linnaeus) Smyth]. *JKE #1201*, *JKE #3678*.

54. *Tripsacum* Linnaeus

1. *Tripsacum dactyloides* (Linnaeus) Linnaeus var. *dactyloides* – GAMA GRASS.

Roadsides, moist areas, and other disturbed areas; common. [*Tripsacum dactyloides* (Linnaeus) Linnaeus var. *occidentale* Cutler & E.S. Anderson]. *JKE* #1289, *JKE* #4344.

55. *Urochloa* Palisot de Beauvois

1. *Urochloa platyphylla* (Munro ex Wright) R. Webster – BROADLEAF SIGNAL GRASS

‡. Moist disturbed areas; common. [*Brachiaria extensa* Chase; *Brachiaria platyphylla* (Munro ex Wright) Nash; *Panicum platyphylla* Munro ex Wright; *Paspalum platyphyllum* Grisebach, non J.A. Schultes]. *JKE* #3848, *JKE* #4445.

2. *Urochloa ramosa* (Linnaeus) Nguyen – BROWNTOP MILLET ‡. Disturbed areas; infrequent. [*Brachiaria ramosa* (Linnaeus) Stapf; *Panicum ramosum* Linnaeus]. *JKE* #2489.

56. *Vulpia* C.C. Gmelin

1. *Vulpia myuros* (Linnaeus) K.C. Gmelin – RAT TAIL FESCUE ‡. Roadsides, fields and other disturbed areas; common. [*Festuca myuros* Linnaeus]. *JKE* #4285.

57. *Zea* Linnaeus

1. *Zea mays* Linnaeus ssp. *mays* – CORN ‡. Fallow fields and as row crops; common. *JKE* #3629.

58. *Zizaniopsis* Döll & Ascherson

1. *Zizaniopsis miliacea* (Michaux) Döll & Ascherson – SOUTHERN WILD RICE.

Shoreline of backwaters and marshes; common. *JKE* #2930

PONTEDERIACEAE Kunth 1816

Pickerelweed Family

1. *Eichhornia* Kunth

1. *Eichhornia crassipes* (Martius) Solms-Laub – WATER HYACINTH ‡. Floating in major rivers and backwaters; common. [*Piaropus crassipes* (Martius) Rafinesque]. *JKE #1374*.

2. *Heteranthera* Ruiz & Pavón

1. *Heteranthera reniformis* Ruíz & Pavón – KIDNEY LEAF MUD PLANTAIN. Along edge of sandy stream; rare. *JKE #4451*.

POTAMOGETONACEAE Dumortier 1829

Pondweed Family

1. *Potamogeton* Linnaeus

1. *Potamogeton diversifolius* Rafinesque – COMMON SNAILSEED PONDWEED. Pools, ponds, and lakes; common. [*Potamogeton capillaceus* Poiret var. *atripes* Fernald; *Potamogeton capillaceus* Poiret var. *capillaceus*]. *JKE #1409*, *JKE #2971*.
2. *Potamogeton pulcher* Tuckerman – SPOTTED PONDWEED. Ponds, pools, ditches, and slow moving streams; infrequent. *JKE #3099*.
3. *Potamogeton pusillus* Linnaeus var. *tenuissimus* F.K. Mertens & W.D.J. Koch – SLENDER PONDWEED. Small ponds; rare. [*Potamogeton berchtoldii* Fieber var. *acuminatus* Fieber; *Potamogeton berchtoldii* Fieber var. *berchtoldii*; *Potamogeton berchtoldii* Fieber var. *lacunatus* (Hagström) Fernald; *Potamogeton berchtoldii*

Fieber var. *tenuissimus* (Mertens & W.D.J. Koch) Fernald; *Potamogeton pusillus*
 Linnaeus ssp. *tenuissimus* (Mertens & W.D.J. Koch) R.R. Haynes & C.B.
 Hellquist]. *R.R. Haynes 6745* (UNA).

RUSCACEAE M. Roemer 1840
 Ruscus Family

1. *Liriope* Loureiro

1. *Liriope muscari* (Decaisne) L.H. Bailey – LIRIOPE ‡. Moist woods and disturbed
 areas; common. *JKE #3079*.

SMILACACEAE Ventenat 1799
 Greenbriar Family

1. *Smilax* Linnaeus

1. *Smilax bona-nox* Linnaeus – CATBRIAR. Various upland and moist habitats;
 common. [*Smilax bona-nox* Linnaeus var. *exauriculata* Fernald; *Smilax bona-nox*
 Linnaeus var. *hastata* (Willdenow) Alphonse de Candolle; *Smilax bona-nox* var.
hederifolia (Beyrich) Fernald]. *JKE #1406*, *JKE #3668*.
2. *Smilax glauca* Walter – WHITELEAF GREENBRIAR. Various upland and moist
 habitats; common. [*Smilax glauca* Walter var. *leurophylla* S.F. Blake]. *JKE*
#1471.
3. *Smilax hispida* Rafinesque – BRISTLY GREENBRIAR. Moist to wet forests; rare.
 [*Smilax hispida* Muhlenberg ex Torrey var. *australis* Small; *Smilax tamnoides*
 Linnaeus var. *hispida* (Muhlenberg ex Torrey) Fernald; *Smilax tamnoides*
 Linnaeus var. *tamnoides*]. *R.C. Clark 13760* (NCU).

4. *Smilax laurifolia* Linnaeus – BLASPHEME VINE. Swamp forests and low woods; common. *JKE #1557*.
5. *Smilax pumila* Walter – SARSAPARILLA VINE. Upland woods; infrequent. *JKE #3899*.
6. *Smilax rotundifolia* Linnaeus – COMMON GREENBRIAR. Various upland and moist habitats; common. *JKE #2983, JKE #4310*.
7. *Smilax smallii* Morong – JACKSON BRIAR. Bottomland woods; common. [*Smilax lanceolata* Linnaeus]. *JKE #1256*.

TRILLIACEAE Lindley 1846
Trillium Family

1. *Trillium* Linnaeus

1. *Trillium catesbaei* Elliott – CATESBYS TRILLIUM. Upland woods; rare. *K.A. McKinney 26 (AUA)*.
2. *Trillium cuneatum* Rafinesque – SWEET BETSY. Mesic, north-facing slopes near backwaters in prairie woods; rare. [*Trillium hugeri* Small]. *JKE #3213*.
3. *Trillium lancifolium* Rafinesque – LANCELEAF TRILLIUM. Rich, mesic forests; rare. [*Trillium lanceolatum* (S. Watson) Boykin *ex* Small; *Trillium recurvatum* L.C. Beck var. *lanceolatum* S. Watson]. *R. Kral 97070 (VDB)*.
4. *Trillium maculatum* Rafinesque – MOTTLED TRILLIUM. Rich, mesic woods and forests; rare. *JKE #2657*.
5. *Trillium stamineum* Harbison – TWISTED TRILLIUM. Rich, mesic woods; common. *JKE #1664, JKE #1665, JKE #1737*.

TYPHACEAE A.L. de Jussieu 1789
Cattail Family

1. *Typha* Linnaeus

1. *Typha angustifolia* Linnaeus – NARROWLEAF CATTAIL. Ditches and marshes; common. *JKE* #3527, *JKE* #3652.
2. *Typha domingensis* Persoon – SOUTHERN CATTAIL. Ditches and marshes; rare. *JKE* #2466.
3. *Typha latifolia* Linnaeus – COMMON CATTAIL. Ditches and marshes; common. *JKE* #2471.

XANTHORRHOEACEAE R. Brown 1810
Day Lily Family

1. *Hemerocallis* Linnaeus

1. *Hemerocallis fulva* (Linnaeus) Linnaeus – ORANGE DAY LILY †. Lawns, gardens, and roadsides; common. *JKE* #3508.

XYRIDACEAE C. Agardh 1823
Yellow Eyed Grass Family

1. *Xyris* Linnaeus

1. *Xyris iridifolia* Chapman – IRISLEAF YELLOW EYED GRASS. Acidic seeps; rare. [*Xyris laxifolia* Martius var. *iridifolia* (Chapman) Kral]. *R. Kral* 43502 (VDB), *JKE* #4466.
2. *Xyris jupicai* L.C. Richard – RICHARDS YELLOW EYED GRASS. Roadside boggy swale; rare. [*Xyris communis* Kunth; *Xyris elata* Chapman]. *R. Kral* 51412 (VDB).

3. *Xyris torta* J.M. Smith – MOUNTAIN YELLOW EYED GRASS. Roadside boggy swale;
rare. [*Xyris flexuosa* Chapman; *Xyris torta* J.E. Smith var. *macropoda* Fernald].
R. Kral 22051 (VDB).

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