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## The Vascular Flora of Cleburne County, Alabama

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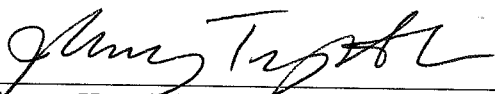
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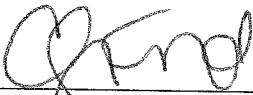
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THE VASCULAR FLORA OF CLEBURNE COUNTY, ALABAMA


A Thesis Submitted to the  
Graduate Faculty  
of Jacksonville State University  
in Partial Fulfillment of the  
Requirements for the Degree of  
Master of Science  
with a Major in Biology

By  
MELANIE TAYLOR SPAULDING

Jacksonville, Alabama

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 23 Apr 2021

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## ABSTRACT

Cleburne County is located in Northeast Alabama and measures 145,298 hectares. Approximately one-third of the county lies within the Talladega National Forest, more than any other county covered by the Talladega National Forest. The county has two physiographic regions: Piedmont and Ridge and Valley. A floristic survey of Cleburne County, Alabama, was conducted on public and private lands from 2014– 2020. Sporadic field collections took place from March 2014 – April 2019, with extensive fieldwork conducted from May 2019 – October 2020. A total of 1,302 vascular plant taxa are reported, including 266 taxa not previously documented for the county. This floristic study added 67 new genera, 10 new families, and 2 new orders to the existing flora. The total taxa reported represent 594 genera from 168 families. 60 native taxa have state or global ranking due to rarity. 25% (15 taxa) of the species of special concern documented are newly reported for Cleburne County. Approximately 24% (317 taxa) of the flora are considered non-native to Alabama. The five largest families were Asteraceae (176 taxa), Poaceae (128 taxa), Cyperaceae (87 taxa), Fabaceae (78 taxa), and Rosaceae (46 taxa).

## ACKNOWLEDGMENTS

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## INTRODUCTION

Alabama is home to more species of plants and animals than ninety percent of the United States and has sixty-four different ecological systems (Duncan 2013; Griffith *et al.* 2001). Alabama is ranked fourth in the nation in biodiversity. The state has many rare and endemic species and is ranked first in biodiversity among the Eastern states (Duncan 2020).

Even though Alabama's biodiversity is high, the state's flora is still poorly known. During the past nineteen years, approximately 201 native taxa have been added to Alabama's flora (Keener *et al.* 2021; Stein 2002). Thirty-one endemic taxa have been identified in Alabama (Keener *et al.* 2021). One endemic, *Clinopodium talladeganum*, was recently described in Cleburne County (Keener 2020). Previous floristic surveys of Cleburne County have been limited in scope (Bussey 1983; Ballard 1995; Hruska 1997; Hutchinson 1998; Weninegar 2002), and all of these focused on relatively small areas along the western border of the county. Although these floras were comprehensive for their designated study areas, plant diversity within Cleburne County is still largely unknown.

Plants are important for human survival, providing food, medicine, and clothing. Locally, plants are valuable for producing oxygen, absorbing carbon dioxide, and filtering volatile organic compounds from our water, air, and soil. Floristic inventories give insight into plant diversity and further botanical knowledge throughout the world. Floristic collections and associated data can be utilized in many ways within botanical and ecological studies, such as plant distribution and ranges, plant communities, phytogeography, genetic research, preservation of ecosystems, conservation of rare, threatened, or endangered species, or plans for controlling non-native invasive species. These surveys are typically conducted on public lands; however, such a survey within Cleburne County would not represent the complete flora, since most land outside of the Talladega National Forest is privately owned. This study represents the first comprehensive floristic study of Cleburne County, on both public and private lands, to serve as a plant diversity baseline to further botanical research in Alabama. Data collected for this survey demonstrate the importance for future floristic surveys in Alabama to include private lands. In addition, this study provides information to allow for future floristic, ecological, and phytogeographic studies, to assist with conservation and land management plans, and to support educational programs.

### **Study Area**

Cleburne County is located in Northeast Alabama, approximately halfway between Birmingham, Alabama and Atlanta, Georgia. (Figure 1-2). The county is bordered on the north by Cherokee County, on the west by Calhoun County, on the southwest by Clay and Talladega Counties, on the south by Randolph County, on the

northeast by Polk County, GA, on the east by Haralson County, GA, and on the southeast by Carroll County, GA.

Previously Native American Creek territory, the first non-Native American settlers came to the county in the 1820s. The town of Edwardsville was named the first county seat by settlers, and remained so until 1905 when Heflin was declared the new county seat (Clebune 2020). The town of Heflin was formed as a rail stop from Atlanta in 1882 (History 2021). Gold was discovered during the 1830s in the southern part of Cleburne County near the communities of Arbacoochee and Chulafinnee. By 1836, over 5,000 miners had moved to the area and it has been estimated that more than one million dollars in gold was mined during the during the 1830s until the late 1840s. Miners abandoned the county after gold was discovered in California in 1849, leading to the California gold rush (Chamber 2021; Cleburne 2020). During the 1800s, Cleburne County was a leading producer of minerals in Alabama, including gold, copper, and mica (Clebune 2020). Corn, oats, wheat, cotton and cattle were common crops within Cleburne County in the 1800s. A winery in the town of Fruithurst became a popular tourist attraction in the late nineteenth century until it closed after the grape crop was wiped out by disease in the early twentieth century (Chamber 2021; Cleburne 2020). In 1936, FDR issued a proclamation creating the Talladega National Forest, which according to an initial report, approximately 72% of the land had been cut over. The original land purchase was for 422,000 acres within Calhoun, Clay, Cleburne, and Talladega Counties. In addition to developing the national forest and building fire towers, the Civilian Conservation Corps (CCC) immediately began building a 75-mile scenic highway (Sky Way Motor Way) to run the length of the property along the main ridge.

This highway is used by thousands of tourists, hunters, and locals each year. (History 2021; TNF 2021)

Today, Cleburne County consists of approximately 88% forested lands (public and private). Large-scale agricultural areas are restricted to the southern part of Cleburne, specifically to the southeast and south-central areas (Figures 3-4; Alabama Soil and Water Conservation Committee 2019). The county lies within two level III ecoregions: Piedmont and Ridge and Valley. The Piedmont ecoregion in Cleburne is made up of two-level IV ecoregions: Southern Inner Piedmont and the Talladega Upland (Fig. 5; Griffith *et al.* 2001). The former is the largest of the level IV ecoregions within the Piedmont and the latter is the smallest. The Ridge and Valley is also broken up into two level IV ecoregions: Southern Sandstone Ridges and Southern Shale Valleys (Duncan 2013). General soils are divided into Limestone Valleys and Uplands and the Piedmont Plateau. Twenty-six different rock formations occur in Cleburne County. Nineteen formations each cover less than 5% of the county, while Heflin phyllite, calcareous sandy metastone, metachert, quartzite, amphibolite, mudstone, sand stone, and calcite and dolomite marble cover larger percentages of the county (USGS 2021). The geology and soils explain why some phytogeographers believe the area is a disjunct of the Blue Ridge (Short 1978; Short and Spaulding 2012). The Mobile River Basin covers approximately 64% of the state, extending north to south, and its forests and waterways are referred to as America's Amazon (Raybren 2013). Cleburne County is within the Alabama River drainage, which includes the Coosa and Tallapoosa River systems. The main waterways within the county are the Tallapoosa River, Little Tallapoosa River, Cheaha Lake, Coleman Lake, Sweetwater Lake, Lake Cross, and numerous creeks,

including Choccolocco, Terrapin, Shoal, Chulafinnee, Lost, Dynne, Carr, and Lockchelooge.

Every year, thousands of visitors come to explore this ecotourism destination. The major draws are centered around the county's natural features and beauty. The county is home to Mount Cheaha, the highest point in Alabama (2,407 feet above sea level). Mount Cheaha is located in Cheaha State Park, within the Piedmont physiographic region in the southwest corner of the county. Dugger Mountain (2,140 feet above sea level) is the second highest point in the state, located in the northwestern corner of Cleburne County in the Ridge and Valley physiographic region. Dugger Mountain Wilderness Area is located across a portion of Dugger Mountain totaling 8,947.43 acres. This is one of only three designated Alabama Wilderness Areas in the state (TNF 2021).

Mount Cheaha, Cheaha State Park, and Dugger Mountain are not the only ecotourist draws in Cleburne County. The Tallapoosa River, Terrapin Creek, Coleman and Sweetwater Lakes (among other lakes and creeks) are enjoyed by fishermen, boaters, kayakers, canoers, and swimmers (Chamber 2021; Town of Trails 2021). The Chief Ladiga Trail was Alabama's first Rails-to-Trails project, converting CSX railroad lines into bike trails. The trail is used for biking, walking and in-line skating and spans 33 miles through the Ridge and Valley region of Calhoun and Cleburne Counties.

Approximately 17 miles are in Cleburne County (P. Conroy per.com., April 2021; City of Piedmont 2020; Ladiga 2021; Silver Comet Trail 2009). In 2008, the trail was connected to the Silver Comet Trail in Georgia making it the longest paved pedestrian path in America at over 90 miles. At approximately 339 miles long, the Pinhoti Trail is part of the Appalachian Trail (the longest walking trail in America). The trail winds through the

western part of the county. The newly added Heflin Spur of the Pinhoti is 3.5 miles long leading to downtown Heflin (“Alabama’s Trail Town”; Chamber 2021; Pinhoti 2021; Town of Trails 2021). Other popular destinations in the county include, the Heflin Community Archery Park, Warden Station Horse Camp, and the Lloyd Owens Canoe Trail (Tallapoosa River beginning near Muscadine and ending near Hollis Crossroads). Cahulga Creek Park borders the Talladega National Forest. Visitors to the park enjoy Lake Point Disc Golf and the Cahulga Creek Watershed for fishing and non-gas-powered boats and kayaks. Cahulga Creek is one of five sites in Cleburne County on the Appalachian Highlands Birding Trail. The others are: Cheaha State Park, Bald Rock Trail (Cheaha State Park), Coleman Lake (Talladega National Forest), and the Talladega Mountain Natural Resource Center (Chamber 2021; TNF 2021; Town of Trails 2021).

In Cleburne County, the average temperatures reach a high of 31.67°C in July and a low of 11.11°C in January. Rainfall for the area is approximately 139.83 cm annually. February is the wettest month with an average monthly precipitation of 14.63 cm, while September is the driest averaging 8.31 cm monthly precipitation (Weather.com 2021).

### **Botanical History**

Until the last part of the eighteenth century, Alabama remained a “*terra incognita*” according to botanist, Charles Mohr (1901). From the late 1700s to late 1800s, important contributions to the study of Alabama’s flora were made by botanists such as F.S. Earle, L.M. Underwood, Carl Baker, John F. Beaumont, and Rev. R.D. Nevisia. William Bartram, the famous botanist, illustrator and principal of Allenton Academy, explored Alabama from Montgomery County to Tallapoosa County and down to Mobile in the 1770s. Hezekiah Gates was the first botanist to collect plants in the coastal region



of Alabama and ran an apothecary in Mobile. One of the most botanists to contribute to the flora of Alabama was Thomas Peters. He was well known in Alabama as a lawyer, State Senator, and a Supreme Court Judge, whereas botany was the recreational passion he used as an escape from the stress of his job. Peters was a *Carex* expert and one of the few mycologists in the south studying lichens and fungi. Charles Mohr wrote the first and only comprehensive floristic study of the State of Alabama. Each of the aforementioned figures in Alabama's early botanical history contributed to Mohr's book, *Plant Life of Alabama* (Mohr 1901).

In the modern era, the exploration and documentation of Alabama's flora continued with botanists like Blanche Dean, Ross Clark, and Robert Kral. Even today, new botanical discoveries are being made in Alabama. Clark and Kral are responsible for documenting many elements of the flora of Cleburne County between the 1960s to the early 2000s. At least five formal floristic studies have been conducted that included portions of Cleburne County: Cheaha State Park (Bussey 1983), Horseblock Mountain (Calhoun and Cleburne Counties; Hruska 1997), Talladega National Forest: Talladega Ranger District (Clay and Cleburne Counties; Ballard 1995), Dugger Mountain (Calhoun and Cleburne Counties; Hutchinson 1997), and Choccolocco Creek (Talladega, Cleburne, and Calhoun Counties; Weninegar 2002). These studies serve as a valuable foundation for understanding the Cleburne County flora, but an in-depth countywide survey is needed for conservation plans for both public and private lands, furthering the botanical research in Alabama, education purposes, and developing the public's interest in the local flora.

## METHODS

The present study was conducted on both private and public lands. During March 2014 – April 2019, the flora was occasionally and sporadically sampled. Extensive field surveys were conducted each month from May 2019 to October 2020, totaling 143 collection days (Figure 5). The author had access to over 5,000 acres of private land in Cleburne County within both the Piedmont and Ridge and Valley physiographic regions. Public and private land collection sites were chosen both randomly and based on topology, soils, and hydrologic features in an effort to sample all major habitats and plant communities within the county.

Collections were made using a meandering method and specimens were processed using standard field and herbarium techniques. Vouchers were deposited at Jacksonville State University Herbarium (JSU). Any duplicates are deposited at Anniston Museum of Natural History (AMAL) and University of West Alabama (UWAL). Identifications were made by the author and verifications were made by Dan Spaulding, Curator of the Anniston Museum of Natural History. Additional verifications were made by Dan Brunton (*Isoetes*), Robert Naczi (NYBG; *Carex*), Brian Keener (UWAL; *Delphinium*), and Curtis Hansen (AUA; misc. AUA specimens). Primary sources used in conjunction with family or genera specific keys for plant identification include eFloras (2021),

Godfrey and Wooten (1979), Naczi *et al.* (2002), Tennessee Flora Committee (2015), Radford *et al.* (1968), Rickett (1967), and Spaulding (2013a, 2013b, 2014, 2016, 2018, 2019). Additional sources are noted in the Annotated Checklist.

Nativity, global rankings, and new county/state records were largely determined by Kartesz (2020), Keener *et al.* (2021), SERNEC (2020), and Weakley (2020). State rankings, where applicable, follows the Alabama Inventory Tracking List (Alabama Natural Heritage Program 2019) and Keener *et al.* (2021). Authorities, taxonomic arrangement and nomenclature follow Weakley (2020); a few exceptions are noted on the Annotated Checklist.

## RESULTS AND DISCUSSION

A total of 1,302 taxa was documented for the vascular flora of Cleburne County, Alabama, representing 594 genera, 168 families, 52 orders, and 4 divisions. The ten largest families represented in the study were Asteraceae (176 taxa), Poaceae (128 taxa), Cyperaceae (87 taxa), Fabaceae (78 taxa), Rosaceae (46 taxa), Lamiaceae (33 taxa), Ericaceae (31 taxa), Ranunculaceae (25 taxa), Apiaceae (22 taxa), and Rubiaceae (21 taxa). The largest genera were *Carex* (51 taxa), *Quercus* (17 taxa), *Viola* (16 taxa), *Dichanthelium* (15 taxa), *Cyperus* (13 taxa), *Solidago* (13 taxa), *Symphyotrichum* (12 taxa), *Helianthus* (12 taxa), *Eupatorium* (11 taxa), and *Euphorbia* (11 taxa).

This survey contributes to our understanding of the flora of Alabama and will be a useful tool for further botanical studies, education, and future conservation plans. As an ecotourism destination, Cleburne County benefits from a higher biodiversity and its natural resource management. In 2019, direct tourism dollars for the county were approximately 12 million dollars and that number is thought to be much higher for 2020 due to the pandemic (Tourism 2021; T. Maloney, per. com. Apr. 2021). Geologic history, climate, hydrology, and human disturbance have created a wide variety of habitats that support diverse plant communities. Educating property owners on the botanical and ecological value of their property is a way to excite locals and invoke pride in the

county's natural treasures. Involving the community to help take care, sustain, and improve private lands will be beneficial to not only the community economically but to the flora and fauna of the county.

### **Rare Plant Taxa**

Sixty taxa found in Cleburne County are considered critically imperiled, imperiled, or rare/uncommon either globally and/or in Alabama. Out of those, fifteen(25%) are newly recorded for the county. Three species that were previously documented in the Piedmont region of Cleburne County are reported as new to the Ridge and Valley region. One taxon previously documented in the Ridge and Valley province is reported as new to the Piedmont region of the county. Global (G) and State (S) Rankings listed below follow the current criteria developed by The Nature Conservancy (Table 2, AMNH 2019, Rankings 2021). Each taxon listed as a species of special concern found in the county is represented by both State and Global Rankings (Table 3). The table also highlights newly documented global/state ranked plants and where the collections (current and past) of these taxa occurred (public or private lands; Piedmont and/or Ridge and Valley physiographic provinces).

### **Noteworthy Collections**

***Corallorhiza odontorhiza* (Orchidaceae). Autumn Coral Root; Small Coral Root.**

[CON] **S1S2/G5**. Newly documented for the Ridge and Valley region of Cleburne County. Autumn Coral Root had previously only been documented within the Piedmont province of Cleburne county.

***Delphinium carolinianum* ssp. *calciphilum* (Ranunculaceae). Glade Larkspur; Prairie Larkspur; Limestone Larkspur. [CON] S1/T3.** Glade Larkspur is known to occur in one location in Cleburne County, on private land. Endemic to the eastern United States, this subspecies is currently only known from four states: Alabama (3/67 counties), Georgia (4/159 counties), Kentucky (4/120 counties), and Tennessee (15/95 counties). In addition to Cleburne, Glade Larkspur has been documented in two other Alabama counties: Jackson and Madison. (Kartesz 2020; Keener *et al.* 2021)

***Helianthus eggertii* (Asteraceae). Eggert's Sunflower. [CON] S1/G3.** Newly documented for Cleburne County. Endemic to the southeastern United States, Eggert's Sunflower is only known from four states: Alabama (11/67 counties), Kentucky (17/120 counties), South Carolina (1/46 counties), and Tennessee (18/95 counties). This collection is the third known location within the Piedmont physiographic province of its range.

***Heteranthera limosa* (Pontederiaceae). Blue Mud Plantain. [CON] S?/G5.** Newly recorded for Cleburne County. Documented in five other counties in Alabama; two in Northeastern Alabama (Cherokee and DeKalb) and three in Southwestern Alabama (Baldwin, Mobile, and Monroe). *Heteranthera limosa* is considered rare in much of its eastern range. This collection is possibly the first collection within the Piedmont province of Alabama, and only the second known location in the Piedmont province.

***Hexastylis harperi* (Aristolochiaceae). Harper's Wild Ginger; Harper's Heartleaf. [CON] S2/G3.** Endemic to the southeastern United States, Harper's Wild Ginger is only known to occur in three states: Alabama (12/67 counties), Georgia (10/159 counties), and

Mississippi (3/82 counties). This species has been documented in three counties adjacent to Cleburne: Randolph County, Alabama and Haralson and Carroll Counties, Georgia.

***Hydrastis canadensis* (Hydrastidaceae) Goldenseal. [CON] S2/G4.** Newly documented for Cleburne County. Goldenseal is fairly frequent throughout its range in North America. In Alabama, it is more common in the Highland Rim and Cumberland Plateau physiographic regions (Weakley 2020; Ford 1997). This specimen is the first known collection in the Piedmont Region of Alabama since Charles Mohr documented *H. canadensis* 140 years ago in Chilton County (Jun 1880 Mohr *s.n.*, UNA00016940).

***Isoetes appalachiana* (Isoetaceae). Appalachian Quillwort. [CON] S1/G4.** Newly documented for Cleburne County. Located on private land. Endemic to the southeastern United States. Considered rare throughout most of its range. Previously only documented in three other Alabama counties: Butler, Conecuh, and Tallapoosa. *Isoetes flaccida* is uncommon in the Piedmont province of Alabama and Georgia. (Kartesz 2020; Keener *et al.* 2021)

***Juglans cinerea* (Juglandaceae) Butternut; White Walnut. [CON] S1/G3.** New for Cleburne County. Butternut has been documented in fourteen other Alabama counties, mostly in the northern half of the state with the exception of Russell County. Rare in the Piedmont physiographic region, this is the first known collection in the Piedmont province in Alabama.

***Lilium superbum* (Liliaceae). Turk's Cap Lily; Lily Royal. [CON] S3/G5.** This species is new for the Piedmont region of Cleburne County and was located on private

land. Endemic to the United States and considered uncommon or rare throughout much of its range, Turk's Cap Lily is known to occur in eighteen counties in Alabama.

***Platanthera flava* (Orchidaceae). Southern Rein Orchid. [CON] S2S3/G4T4.** New for Cleburne County. Found in both the Piedmont and Ridge and Valley regions on public and private lands. Known to occur in twenty-two Alabama counties, including four adjacent to Cleburne (Calhoun, Cherokee, Clay, and Talladega).

***Ptilimnium costatum* (Apiaceae). Ribbed Mock Bishopweed; Big Bishopweed; Eastern Mock Bishopweed. [CON] S1/G3.** Newly recorded for Cleburne County.

*Ptilimnium costatum* is currently known from thirteen states and considered rare in nine. Eastern Mock Bishopweed has been documented in ten other counties in Alabama; however, this species has not been documented in any counties adjacent to Cleburne (Alabama or Georgia). During this floristic survey, *P. costatum* was documented twice (on both public and private lands) in the Piedmont region of Cleburne County.

***Sabatia capitata* (Gentianaceae). Cumberland Rose Gentian; Appalachian Rose Gentian. [CON] S2/G2.** Cumberland Rose Gentian is endemic to the southeastern United States and only known to occur in four states: Alabama, Georgia, North Carolina, and Tennessee, although it appears to have been extirpated from the only known location in North Carolina (Cherokee County). Previously documented within the Piedmont region of Cleburne County, this species was found in the Ridge and Valley region during this survey.

***Silphium brachiatum* (Asteraceae). Cumberland Rosinweed. [CON] S2/G2.** *Silphium brachiatum* is endemic to the Southeastern United States, occurring in two states:



Alabama (8/67 counties) and Tennessee (4/95 counties) mostly within the Highland Rim and Cumberland Plateau. Previously documented once in the Ridge and Valley province in Cherokee County, Alabama, this species is new for Cleburne County. The Cleburne collection is only the second known location of Cumberland Rosinweed in the Ridge and Valley.

***Symphotrichum concinnum* (Asteraceae). Narrowleaf Smooth Aster. [CON]**

**S2/G5T4.** Endemic to the United States, Narrowleaf Smooth Aster has previously been documented within the Piedmont region of Cleburne County. During this survey, *S. concinnum* was documented in the Ridge and Valley region.

***Tradescantia ernestiana* (Commelinaceae). Ernest's Spiderwort. [CON] S1/G3.** New

for Cleburne County. During the survey of the Cleburne flora, *T. ernestiana* was documented in the Piedmont region on private lands and within the Ridge and Valley region on both public and private lands. Endemic to the United States, *T. ernestiana* is known from five states: Alabama, Arkansas, Mississippi, Missouri, and Oklahoma. This rare species occurs in seven other Alabama counties. Ernest's Spiderwort was previously documented during from April, 1965 – April, 1979 in six Alabama counties (DeKalb, Jackson, Jefferson, Madison, Montgomery, and Tuscaloosa), but was not documented otherwise until 23 Apr 2018 (D.D. Spaulding 15233, AMNH) and Cleburne. This collection is possibly the only known collection to the Ridge and Valley region in the United States and only the second collection in the Piedmont region. (Kartesz 2020; Keener *et al.* 2021)

***Trillium lancifolium* (Trilliaceae). Lance Leaf Trillium; Narrowleaf Trillium. [CON]**

**S2S3/G4.** Newly documented for Cleburne County in both the Piedmont and Ridge and

Valley provinces. Located on public and private lands. Lance Leaf Trillium is endemic to the southeastern United States. Known to occur in Alabama, Florida, Georgia, Mississippi, South Carolina, and Tennessee. This specimen is possibly the first known collection in the Piedmont province of Alabama.

### **Format of the Flora**

The annotated checklist of the vascular flora of Cleburne County, Alabama is arranged by division (Lycopodiophyta, Monilophyta, Coniferophyta, and Magnoliophyta). Families are listed alphabetically within the designated division. Genera, species and infraspecific taxa are listed alphabetically within each family.

Collections made by the author were deposited at Jacksonville State University Herbarium (JSU) and designated by collection number (only) without a collector listed. Any collections from other collectors (or from other herbaria) were noted by collector and herbarium collection number where the specimen is deposited.

Underlined taxa = new vouchered record for Cleburne County after searching Jacksonville State University Herbarium (JSU), Alabama Plant Atlas (Keener *et al.* 2021), SERNEC data portal (SERNEC 2020), and Kartesz (2020); [CON] = species of special concern in Alabama; state and global rank follow plants designated [Con]; (†) = nonnative taxa; (\*) = new genus, section, subclass for Cleburne County; (\*\*) = new family for Cleburne County; plants are either designated (P) following collection number = Piedmont region, (**P-Rec**) = new vouchered record for the Piedmont region of Cleburne County; or (RV) after collection number = Ridge and Valley, (**RV-Rec**) = new vouchered record for the Ridge and Valley region of Cleburne County; (Pub) = Public land; (Priv) = Private Land

**Annotated Checklist**  
**Vascular Flora of Cleburne County, Alabama**

**I. DIVISION LYCOPODIOPHYTA**  
(Lycophytes and Clubmosses)

**1. ISOETACEAE** Dumortier 1829  
(**Quillwort Family**)

*I. Isoetes* Linnaeus 1753  
(QUILLWORT, MERLIN'S-GRASS)

1. *I. appalachiana*. D.F. Brunton & D.M. Britton. Appalachian Quillwort. [CON] **S1/G4**. Endemic to the Southeastern United States. Currently, Appalachian Quillwort is known to occur in only three other Alabama counties: Butler, Conecuh, and Tallapoosa. *I. appalachiana* is uncommon in the Piedmont province of Alabama and Georgia. 1931(P)(Priv)

**2. LYCOPODIACEAE** Palisot de Beauvois ex Mirbel 1802  
(**Clubmoss Family**)

**1. *Diphasiastrum*** Holub 1975  
(FLAT-BRANCHED CLUBMOSS, RUNNING CEDAR)

1. *D. digitatum* (Dillenius ex A. Braun) Holub, Running Ground Pine; Running Cedar; Fan Ground Pine. 230(P)(Pub), 358(P)(Priv), 830(RV)(Priv)

**3. SELAGINELLACEAE Willkomm 1854  
(Spikemoss Family)**

**1. Bryodesma Soják 1992  
(SPIKEMOSS)**

1. *B. rupestre* (Linnaeus) Soják. [CON] S2/G5. Rock Spikemoss; Ledge Spikemoss. Known from only one location in Cleburne County on private land. 2 Jul 2010, K. England (UWAL0031393)

**2. Lycopodioides Boehmer 1760  
(SPIKEMOSS)**

1. *L. apoda* (Linnaeus) Kuntze, Meadow Spikemoss. Documented throughout most of Alabama (Keener *et al.* 2021). 1242 (P)(Priv), 1896 (RV)(Pub)

**II. DIVISION MONILOPHYTA (Horsetails and Ferns)**

**1. ASPLENIACEAE Newman 1840  
(Spleenwort Family)**

**1. Asplenium Linnaeus 1753  
(SPLEENWORT)**

1. *A. bradleyi* D.C. Eaton. Bradley's Spleenwort; Cliff Spleenwort. [CON] S2/G4. Only known from one location in Cleburne County. 2162 (P)(Pub)
2. *A. montanum* Willdenow. Mountain Spleenwort. Previously, Mountain Spleenwort was documented in Cleburne County only from Cheaha State Park. 2163 (P)(Pub)
3. *A. platyneuron* (Linnaeus) Britton, Sterns, & Poggenburg, Ebony Spleenwort. The most well documented spleenwort in Alabama (Keener *et al.* 2021). 774 (RV)(Pub), 1463 (P)(Priv), 2125 (P)(Priv)
4. *A. resiliens* Kunze. Blackstem Spleenwort. Only documented once in Cleburne County; Ridge and Valley province. 16 March 1995, M. Lawler (JSU104065)
5. *A. rhizophyllum* Linnaeus. Walking Fern. Only documented once in Cleburne County forty-eight years ago; Piedmont province. 16 January 1973, K. Landers (JSU105190)

6. *A. trichomanes* Linnaeus. Maidenhair Spleenwort. [CON] S2S3/G5. 2117 (P)(Priv)

**2. ATHYRIACEAE** Alston 1956  
**(Lady Fern Family)**

**1. *Athyrium*** Roth 1799  
**(LADY FERN)**

1. *A. asplenioides* (Michaux) A.A. Eaton, Southern Lady Fern. 270 (P)(Pub), 628 (RV)(Pub), 737 (P)(Pub)

**2. *Deparia*** Hooker & Greville 1829  
**(FALSE SPLEENWORT)**

1. *D. acrostichoides* (Swartz) M. Kato. Silvery Spleenwort; Silvery Gladefern. Documented once in Cleburne County: 17 September 2005, R. Kral (BRIT188649).

**3. BLECHNACEAE** Newman 1844  
**(Deer Fern Family)**

**1. *Lorinseria*** C. Presl 1849 [1851]  
**(NETTED CHAIN FERN)**

1. *L. areolata* (Linnaeus) C. Presl., Netted Chain Fern. 744 (P)(Pub)

**4. CYSTOPTERIDACEAE** Shmakov 2001  
**(Brittle Fern Family)**

**1. *Cystopteris*** Bernhardt 1806  
**(BLADDER FERN, BRITTLE FERN)**

1. *C. protrusa* (Weatherby) Blasdell. Lowland Bladder Fern; Spreading Bladder Fern. Documented twice in Cleburne County: 3 June 1978, J. Glick (AUA-ACC035187) and 15 October 1996 S. Hruska (JSU106668).

**5. DENNSTAEDTIACEAE** Lotsy 1909  
(Bracken Family)

1. *Dennstaedtia* Bernhardi 1801  
(CUplet FERN)

1. *D. punctilobula* (Michaux) T. Moore. Hay-Scented Fern; Boulder Fern. [CON] S3/G5. Collected from one known location in Cleburne County. First collected fifty-four years ago: 6 May 1967, G. Collier (JSU106709)

2. *Pteridium* Gleditsch ex Scopoli 1760  
(BRACKEN)

1. *P. pseudocaudatum* (Clute) Christenhusz. Tailed Bracken Fern; Southern Bracken Fern. 250 (P)(Pub)

**6. DRYOPTERIDACEAE** Herter 1949  
(Wood-Fern Family)

1. *Dryopteris* Adanson 1763  
(WOODFERN, SHIELD FERN)

1. *D. celsa* (W. Palmer) Knowlton, W. Palmer, & Pollard. Log Fern. [CON] S2/G4. 1912 (RV-Rec)(Priv)
2. *D. marginalis* (Linnaeus) A. Gray. Marginal Woodfern; Marginal Shield Fern. 2194 (P)(Priv)

2. *Polystichum* Roth 1799  
(HOLLY FERN)

1. *P. acrostichoides* (Michaux) Schott. Christmas Fern. 244 (P)(Priv), 677 (P)(Priv)

**7. HYMENOPHYLLACEAE** Martius 1835  
(Filmy Fern Family)

1. *Didymoglossum* Desvaux 1827

(FILMY FERN)

1. *D. petersii* (A. Gray) Copeland, Dwarf Filmy Fern; Peter's Bristle Fern. [CON] S2/G4. 28 Mar 2010, K. England (UWAL0032884).

**8. LYGODIACEAE** M. Roemer 1840  
(Climbing Fern Family)

1. *Lygodium* Swartz 1800  
(CLIMBING FERN)

1. *L. japonicum* (Thunberg) Swartz, Japanese Climbing Fern. (†) 235 (P)(Pub), 272 (P)(Pub), 372 (P)(Priv), 698 (P)(Priv)
2. *L. palmatum* (Bernhardi) Swartz, American Climbing Fern. [CON] S1/G4. Only one location has been documented in Cleburne County: 1 August 2003, J. Gardner (JSU00020295).

**9. ONOCLEACEAE** Pichi Sermolli 1970  
(Sensitive Fern Family)

1. *Onoclea Linnaeus* 1753  
(SENSITIVE FERN)

1. *O. sensibilis* Linnaeus. Sensitive Fern; Bead Fern. 271 (P)(Pub), 355 (P)(Pub), 431 (P)(Pub)

**10. OPHIOGLOSSACEAE** Martinov 1820  
(Adder's Tongue Family)

1. *Botrypus* Richard 1801  
(RATTLESNAKE FERN)

1. *B. virginianus* (Linnaeus) Michaux. Rattlesnake Fern; Virginia Grape Fern. 576 (P)(Priv), 1861 (P)(Priv)

2. *Ophioglossum* Linnaeus 1753

(ADDER'S-TONGUE)

1. *O. pycnostichum* (Fernald) A. Love & D. Love, Southern Adder's Tongue; Common Adder's Tongue. 575 (**P-Rec**), 1892 (RV)

3. *Sceptridium* Lyon 1905  
(GRAPE FERN)

1. *S. biternatum* (Savigny) Lyon. Southern Grape Fern; Sparse Lobe Grape Fern. 1290 (P)(Priv), 1375 (P)(Pub), 1467 (P)(Priv), 1485 (P)(Priv)
2. *S. dissectum* (Sprengel) Lyon. Cut Leaf Grape Fern; Dissected Grape Fern. 1419 (RV)(Pub), 1468 (P)(Priv)
3. *S. jenmanii* (Underwood) Lyon. Alabama Grape Fern; Dixie Grape Fern; Jenman's Grape Fern. [CON] S1/G3. Documented in approximately seven other Alabama counties. 1436 (RV)(Pub), 1484 (P)(Priv)

11. OSMUNDACEAE Martinov 1820  
(Royal Fern Family)

1. *Osmunda* Linnaeus 1753  
(ROYAL FERN)

1. *O. spectabilis* Willdenow. Royal Fern. 432 (P)(Pub), 748 (P)(Pub)

2. *Osmundastrum* C. Presl 1847  
(CINNAMON FERN)

1. *O. cinnamomeum* (Linnaeus) C. Presl. Cinnamon Fern. 276 (P)(Pub), 738 (P)(Pub)

12. POLYPODIACEAE J. Presl & C. Presl 1822  
(Polypody Family)

1. *Pleopeltis* Humboldt & Bonpland ex Willdenow 1810  
(SHIELDED-SORUS POLYPODY)

1. *P. michauxiana* (Weatherby) Hickey & Sprunt. Resurrection Fern. 1437 (RV)(Pub)



2. *Polypodium* Linnaeus 1753  
(POLYPODY)

1. *P. virginianum* Linnaeus. Common Rockcap Fern. 14 September 1982, M. Bussey (JSU109257).

13. **PTERIDACEAE** E.D.M. Kirchner 1831  
(Maidenhair Fern Family)

1. *Adiantum* Linnaeus 1753  
(MAIDENHAIR FERN)

1. *A. pedatum* Linnaeus. Northern Maidenhair Fern. 279 (P)(Priv), 280 (P)(Priv), 318, 544 (P)(Priv)

2. *Myriopteris* Fée 1852  
(LIPFERN)

1. *M. lanosa* (Michaux) Grusz & Windham, Hairy Lip Fern. 1530 (RV)(Pub)
2. *M. tomentosa* (Link) Fée. Woolly Lip Fern. 1767 (**P-Rec**)(Priv)

14. **THELYPTERIDACEAE** Ching ex Pichi Sermolli 1970  
(Marsh Fern Family)

1. *Macrothelypteris* (H. Itô) Ching 1963  
(MAIDEN FERN)

1. *M. torresiana* (Gaudichaud-Beaupré) Ching., Mariana Maiden Fern. (†) 281 (P)(Pub), 546 (P)(Pub), 751 (P)(Pub), 799 (**RV-Rec**)(Priv)

2. *Parathelypteris* (H. Itô) Ching 1963

1. *P. noveboracensis* (Linnaeus) Ching., New York Fern. 243 (P)(Priv), 700 (P)(Priv)

3. *Phegopteris* (C. Presl) Fée 1852  
(BEECH FERN)

1. *P. decursive-pinnata* (N.C. Hall) Fée., Japanese Beech Fern. 21 Jun 2014, B. Keener (UWAL0032758)
2. *P. hexagonoptera* (Michaux) Fée., Broad Beech Fern. 918 (RV)(Pub), 1084 (P)(Priv), 1400 (P)(Pub)

**4. *Thelypteris*\* Schmidel 1763**  
(MARSH FERN)

1. *T. kunthii* (Desvauxz) C.V. Morton., Southern Shield Fern; Kunth's Maiden Fern. Weakley (2020) applies *Christella species 1* [=kunthii] to this taxon which is not formally published. This flora follows APA (2020). 266 (P-Rec)(Pub), 267 (P)(Pub), 2092 (P)(Pub), 2153 (RV-Rec)(Pub)
2. *T. palustris* Schott **var. pubescens** (Lawson) Fernald., Marsh Fern. 356 (P-Rec)(Pub), 797 (RV-Rec)(Priv), 1385 (P)(Pub), 1859 (P)(Pub), 2191 (P)(Priv)

**15. WOODSIACEAE Herter 1949**  
(**Woodsia Family**)

**1. *Woodsia* R. Brown 1810**  
(WOODSIA, CLIFF FERN)

1. *W. obtusa* (Sprengel) Torrey **ssp. obtusa.**, Common Woodsia; Blunt Lobed Cliff Fern. 1768 (P)(Priv)

**I. DIVISION CONIFEROPHYTA**  
(**Conifers**)

**1. CUPRESSACEAE S.F. Gray 1822**  
(**Cypress Family**)

**1. *Juniperus* Linnaeus 1753**  
(RED-CEDAR, JUNIPER, SAVIN)

1. *J. communis* Linnaeus **var. communis.** European Common Juniper. (†) 1829 (P)(Pub)

2. *J. communis* Linnaeus var. *depressa* Pursh. Ground Juniper; Mountain Juniper; Creeping Common Juniper. [CON] S1/G5T5. 7 Oct 1956, W. Adams (AUA\_ACC062896)
3. *J. virginiana* Linnaeus. Eastern Red Cedar. 1115 (P)(Priv)

2. *Taxodium*\* L.C. Richard 1810  
(BALD-CYPRESS)

1. *T. distichum* (Linnaeus) L.C. Richard. Bald Cypress. 339 (P-Rec)(Priv)

2. **PINACEAE** Sprengel ex Rudolphi 1830  
(Pine Family)

1. *Pinus* Linnaeus 1753  
(PINE)

1. *P. echinata* P. Miller. Short Leaf Pine. 1 Oct 1995, S. Hruska (JSU103989)
2. *P. palustris* P. Miller. Long Leaf Pine. 1665 (P)(Pub)
3. *P. taeda* Linnaeus. Loblolly; Oldfield Pine. 1604 (P)(Pub)
4. *P. virginiana* P. Miller. Virginia Pine; Scrub Pine; Jersey Pine. 1605 (P)(Pub)

**II. DIVISION MAGNOLIOPHYTA**  
(ANGIOSPERMS)

1. **ACANTHACEAE** de Jussieu 1789  
(Acanthus Family)

1. *Justicia* Linnaeus 1753  
(WATER-WILLOW)

1. *J. americana* (Linnaeus) Vahl. American Water-Willow. Previously, only documented once within Cleburne County: 1 Jul 1979, R. Haynes (UNA00042728). 240 (P)(Pub), 810 (RV-Rec)(Priv)

1. *Ruellia* Linnaeus 1753  
(WILD-PETUNIA)

1. *R. caroliniensis* (J.F. Gmelin) Steudel. Carolina Wild Petunia; Common Wild Petunia. 289 (P)(Pub), 650(RV)(Pub), 783 (RV)(Pub)

## 2. ACERACEAE de Jussieu 1789 (Maple Family)

### 1. *Acer* Linnaeus 1753 (MAPLE)

1. *A. floridanum* (Chapman) Pax. Florida Maple. Previously documented once in Cleburne County: 18 Jun 1966, R. Clark (NCU00396986). 642 (RV-Rec)(Pub), 1775 (P)(Priv), 1964 (RV)(Pub)
2. *A. leucoderme* Small. Chalk Maple; Pale Maple. First documented in Cleburne County 16 April 1969, M. Stuart (JSU104685).
3. *A. negundo* Linnaeus var. *negundo*. Box Elder; Ash-Leaf Maple 1236 (P)(Priv)
4. *A. rubrum* Linnaeus var. *drummondii* (Hooker & Arnott ex Nuttall) Sargent. Drummond's Maple; Swamp Red Maple.
5. *A. rubrum* Linnaeus var. *rubrum*. Red Maple. 6 Apr 1967, W. Boone (JSU104948)
6. *A. saccharinum* Linnaeus. Silver Maple; Soft Maple. 13 Apr 1996, C. Rogers (JSU106100)
7. *A. saccharum* Marshall var. *saccharum*. Sugar Maple; Hard Maple; Sugar Tree. 14 May 1976, D. Rutland (AUA\_ACC029210)

## 3. ACORACEAE Martinov 1820 (Calamus Family)

### 1. *Acorus* Linnaeus 1753 (CALAMUS, SWEETFLAG)

1. *A. calamus* Linnaeus. European Calamus; Sweetflag. (†) First collected in Cleburne County, Alabama by D.D. Spaulding in the Piedmont region. 743 (P)(Pub)

## 4. AGAVACEAE Dumortier 1829 (Agave Family)

### 1. *Agave* Linnaeus 1753

(CENTURY PLANT, MAGUEY)

1. *A. virginica* Linnaeus. Eastern False Agave; Virginia Agave; Rattlesnake Master. 1966 (P)(Priv)

2. *Yucca* Linnaeus 1753

(YUCCA, ADAM'S-NEEDLE, ROCK-LILY)

1. *Y. aliofolia* Linnaeus. Spanish Dagger. 1536(**P-Rec**)(Pub)
2. *Y. flaccida* Haworth, Weak-Leaf Yucca; Flaccid Leaf Yucca. Prior to the current collection, Flaccid Leaf Yucca had been documented once in Cleburne County forty-seven years ago: 21 May 1973, K. Landers (JSU109526). 310 (P)(Pub), 1551 (**RV-Rec**)(Pub)
3. *Y. recurvifolia* Salisbury, Curve Leaf Yucca; Soft Leaf Yucca. 1537 (**P-Rec**)(Priv), 1897 (**RV-Rec**)(Pub)
4. *Y. filamentosa* Linnaeus. Curly Leaf Yucca; Spoonleaf Yucca.

5. **ALISMATACEAE** Ventenat 1799

(Water-Plantain Family)

1. *Alisma* Linnaeus 1753

(WATER-PLANTAIN)

1. *A. subcordatum* Raf., American Water Plantain; Southern Water-Plantain. First collected in Cleburne County, Alabama on 20 May 2018 by D.D. Spaulding (15295) in the Piedmont region. 197 (P)(Pub), 286 (P)(Pub), 300 (P)(Pub), 337 (P)(Pub), 445 (P)(Pub), 795 (**RV-Rec**)(Priv), 862 (P)(Pub), 1918 (RV)(Pub)

2. *Sagittaria* Linnaeus 1753

(ARROWHEAD, KATNISS)

1. *S. australis* (J.G. Sm.) Small, Long-Beak Arrowhead; Appalachian Arrowhead. 180 (P)(Priv), 287 (P)(Pub), 596 (RV)(Pub)
2. *S. platyphylla* (Engelm.) J.G. Sm., Delta Arrowhead; Delta Duck Potato. 1231 (**P-Rec**)(Pub)
3. *S. latifolia* 20 Jul 1995, S. Hruska (JSU109842)

6. **ALLIACEAE** Borkhausen 1797

(Onion Family)

**1. *Allium* Linnaeus 1753**  
(ONION, GARLIC, LEEK, RAMPS, CHIVES)

1. *A. ampeloprasum* Linnaeus. Broad-Leaf Wild Leek; Elephant Garlic. (†)  
First collected in Cleburne County, Alabama on 9 Jul 2017 by D.D. Spaulding  
(14825) in the Piedmont region. 1261(P)(Priv), 1814(P)(Priv)
2. *A. canadense* Linnaeus. Meadow Garlic; Wild Onion. 945 (P)(Pub), 1744  
(P)(Priv)
3. *A. vineale* Linnaeus. Crow Garlic; Field Garlic. (†) 145 (P)(Pub), 944 (P)(Pub),  
1743 (P)(Priv)

**2. *Nothoscordum* Kunth 1843**  
(GRACE GARLIC, FALSE GARLIC)

1. *N. bivalve* (Linnaeus) Britt., Crowpoison; False Garlic. 1628 (P)(Priv)

**7. ALTINGIACEAE Horaninow 1846**  
(Sweet-Gum Family)

**1. *Liquidambar* Linnaeus 1753**  
(SWEET-GUM)

1. *L. styraciflua* Linnaeus. Sweet-Gum. 216 (P)(Priv), 705 (P)(Priv)

**8. AMARANTHACEAE de Jussieu 1789**  
(Amaranth Family)

**1. *Alternanthera*\* Forsskål 1775**  
(CHAFF-FLOWER, JOYWEED)

1. *A. philoxeroides* (Martius) Grisebach, Alligator Weed. (†) 160 (P-Rec)(Pub)

**2. *Amaranthus* Linnaeus 1753**  
(AMARANTH, PIGWEED)

1. *A. blitum* Linnaeus *ssp. emarginatus* (Uline & W.L. Bray) Carretero Muñoz, Garmendia, & Pedrol, Purple Amaranth; Livid Amaranth. (†) 1998(**P-Rec**)(Priv)
2. *A. spinosus* Linnaeus, Spiny Amaranth. (†) 966(**P-Rec**)(Pub), 1456 (P)(Priv)
3. *A. viridis* Linnaeus. (†) Slender Amaranth; Tropical Green Amaranth. First collected in Cleburne County, Alabama on 17 Sept 2015 by D.D. Spaulding (14450) in the Piedmont region. 2090 (P)(Pub)

## 9. AMARYLLIDACEAE Saint-Hilaire 1805 (Amaryllis Family)

### 1. *Hymenocallis* Salisbury 1812 (SPIDER-LILY)

1. *H. occidentalis* (LeConte) Kunth *var. occidentalis*. Hammock Spider Lily; Woodland Spider Lily; Northern Spider Lily. 496 (P)(Priv), 1188 (P)(Priv), 1696 (P)(Pub)

### 2. *Lycoris* Herbert 1819 (MAGIC-LILY)

1. *L. radiata* (L'Héritier) Herbert *var. radiata*. Hurricane Lily; Red Spider Lily; Surprise Lily; Naked Ladies. (†) 1335(P)(Pub)

### 3. *Narcissus* Linnaeus 1753 (DAFFODIL, JONQUIL, NARCISSUS, BUTTERCUP)

1. *N. ×incomparabilis* P. Miller (pro sp.). Nonesuch Daffodil; Peerless Daffodil. (†) 1539 (**RV-Rec**)(Pub), 1554 (**P-Rec**)(Priv), 1838 (P)(Pub)
2. *N. jonquilla* Linnaeus. Jonquil; Apodanthus Daffodil. 1618 (**P-Rec**)(Pub), 1889 (**RV-Rec**)(Pub)
3. *N. ×medioluteus* P. Miller (pro sp.). Primrose Peerless; Twin Sisters; Two-Flower Narcissus. (†) 1535 (P)(Pub), 2023 (P)(Pub)
4. *N. ×odoratus* Linnaeus (pro sp.). Campernelle Jonquil; Sweet-Scented Jonquil. (†) 15 Mar 2014, D.D. Spaulding (13883) with M.T. Spaulding. 1533 (P)(Pub), 1534 (P)(Pub)
5. *N. pseudonarcissus* Linnaeus. Daffodil; Buttercup. (†) 1513 (P)(Priv), 1540 (**RV-Rec**)(Pub), 1559 (P)(Pub)

4. *Zephyranthes* Herbert 1821  
(ATAMASCO-LILY, ZEPHYR-LILY, RAIN-LILY)

1. *Z. atamasco* (Linnaeus) Greene. Common Atamasco-Lily.  
674 (P)(Priv), 1676 (P)(Priv), 1878 (P)(Pub)

10. ANACARDIACEAE R. Brown 1818  
(Cashew Family)

1. *Rhus* Linnaeus 1753  
(SUMAC)

1. *R. copallinum* Linnaeus var. *copallinum*. Eastern Winged Sumac.  
841(P)(Priv)
3. *R. glabra* Linnaeus. Smooth Sumac. 815 (RV)(Pub)

2. *Toxicodendron* P. Miller 1754  
(POISON IVY, POISON OAK, POISON SUMAC)

1. *T. pubescens* P. Miller. Poison Oak.
2. *T. radicans* (Linnaeus) Kuntz var. *radicans*. Eastern Poison Ivy. 376 (P)(Priv)

11. ANNONACEAE de Jussieu 1789  
(Custard-Apple Family)

1. *Asimina* Adanson 1763  
(PAWPAW)

1. *A. parviflora* (Michaux) Dunal. Small-Fruited Pawpaw; Small-Flowered Pawpaw.  
1110(P)(Priv)
2. *A. triloba* (Linnaeus) Dunal. Common Pawpaw; Indian Banana. 2128 (P)(Pub)

12. APIACEAE Lindley 1836  
(Carrot Family)

1. *Angelica* Linnaeus 1753  
(ANGELICA)



1. *A. venenosa* (Greenway) Fernald. Hairy Angelica; Woodland Angelica; Deadly Angelica. 425 (P)(Pub), 763 (RV)(Pub), 884(P)(Pub)

**2. *Chaerophyllum* Linnaeus 1753**  
(CHERVIL)

1. *C. tainturieri* Hooker. Smooth Fruit Chervil. 1691(P)(Priv), 1846 (P)(Pub)

**3. *Cicuta* Linnaeus 1753**  
(WATER-HEMLOCK)

1. *C. maculata* Linnaeus var. *maculata*. Water-Hemlock. 328(P)(Pub), 394(P)(Pub), 863(P)(Pub), 1271(P)(Pub)

**4. *Cryptotaenia* A.P. de Candolle 1829**  
(HONEWORT)

1. *C. canadensis* (Linnaeus) A.P. de Candolle. Honewort. Previously, only documented once (45 years ago) in Cleburne County: 17 Jun 1974, T. Atkinson (JSU117647). 383 (P)(Priv), 404 (P)(Pub), 746 (P)(Pub)

**5. *Cyclosporum*\* Lagasca y Segura 1821**  
(MARSH-PARSLEY)

1. *C. leptophyllum* (Persoon) Sprague ex Britton & Wilson. Marsh-Parsley. (†) First collected for the flora of Cleburne County in the Piedmont province on private property: 7 May 2017, D.D. Spaulding (14752) with M.T. Spaulding and T.D. Spaulding. 133(P)(Pub), 934(P)(Priv)

**6. *Daucus* Linnaeus 1753**  
(WILD CARROT, QUEEN-ANNE'S-LACE)

1. *D. carota* Linnaeus ssp. *carota*. Queen-Anne's-Lace; Wild Carrot. (†) 117(P)(Priv)

**7. *Eryngium*\* Linnaeus 1753**  
(ERYNGO)

1. *E. prostratum* Nuttall ex A.P. de Candolle. Creeping Eryngo; Spreading Eryngo. 439 (P-Rec)(Priv), 533 (P)(Priv), 807(RV-Rec)(Pub)

**8. *Ligusticum*** Linnaeus 1753  
(LOVAGE)

1. *L. canadense* (Linnaeus) Britton. Nondo; Angelico; American Lovage. 1433(RV)(Pub)

**9. *Osmorhiza*** Rafinesque 1819  
(SWEET CICELY, WILD CHERVIL)

1. *O. claytonii* (Michaux) C.B. Clarke. Hairy Sweet Cicely; Bland Sweet Cicely. Hairy Sweet Cicely is rare in the Piedmont province. This collection is the 1<sup>st</sup> known collection within the Piedmont province of Alabama 1122 (**P-Rec**)(Pub)
2. *O. longistylis* (Torrey) A.P. de Candolle. Anise Root; Smooth Sweet Cicely. Until this collection, *O. longistylis* has not been documented in 48 years within Cleburne County. 1914 (RV)(Priv)

**10. *Oxyopolis*** Rafinesque 1825  
(DROPWORT, HOG-FENNEL, COWBANE)

1. *O. rigidior* (Linnaeus) Rafinesque. Stiff Cowbane; Pig-Potato. 175 (P)(Priv), 919(RV)(Pub), 1289(P)(Priv)

**11. *Ptilimnium*** Rafinesque 1819  
(BISHOPWEED, HARPERELLA)

1. *P. capillaceum* (Michaux) Rafinesque. Eastern Bishopweed; Atlantic Bishopweed; Threadleaf Mock Bishopweed. Previously, documented only once in Cleburne County: 4 Jul 1969, Sarah Ballard (JSU118116). 518(P)(Priv), 671(P)(Priv), 672(P)(Pub)
2. *P. costatum* (Elliott) Rafinesque. Ribbed Mock Bishopweed; Big Bishopweed. [CON] S1/G3. Not documented in counties adjacent to Cleburne County. 329 (**P-Rec**)(Pub), 519 (P)(Priv)

**12. *Sanicula*** Linnaeus 1753  
(SANICLE, SNAKEROOT)

1. *S. canadensis* Linnaeus var. *canadensis*. Canadian Black Snakeroot; Canadian Sanicle. 119(P)(Priv), 367 (P)(Priv), 526 (P)(Priv), 638(RV)(Pub)
2. *S. smallii* E.P. Bicknell. Small's Black Snakeroot; Southern Sanicle. 482 (P)(Pub), 1040 (P)(Priv), 1130(P)(Priv), 2057

**13. *Thaspium*** Nuttall 1818  
(MEADOW-PARSNIP)

1. *T. chapmanii* (Coulter & Rose) Small. Chapman's Meadow Parsnip. 1825 (**RV-Rec**)(Pub)

2. *T. trifoliatum* (Linnaeus) A. Gray var. *aureum* (Linnaeus) Britton. Yellow Meadow Parsnip. 1011 (P)(Pub), 1150 (P)(Pub)

**14. *Torilis*** Adanson 1763  
(HEDGE-PARSLEY, BUR-PARSLEY)

1. *T. arvensis* (Hudson) Link. Spreading Bur Parsley; Field Hedge Parsley. (†) 26 Jun 1996, S. Hruska (JSU118629)

**15. *Trepocarpus*\*** Nuttall ex A.P. de Candolle 1829  
(WHITE-NYMPH)

1. *T. aethusae* Nuttall ex A.P. de Candolle. White-Nymph. G4. 853(**P-Rec**)(Priv), 888(P)(Pub)

**16. *Zizia*** W.D.J. Koch 1825  
(GOLDEN-ALEXANDERS)

1. *Z. aptera* (A. Gray) Fernald. Heartleaf Golden Alexanders. 29 Apr 1983, M. Bussey (JSU118735)
2. *Z. aurea* (Linnaeus) W.D.J. Koch. Common Golden Alexanders. 26 Mar 1967, J. Reynolds (JSU118769)
3. *Z. trifoliata* (Michaux) Fernald. Mountain Golden Alexanders. 7 May 1981, R. Whetstone (JSU118974)

**13. APOCYNACEAE** de Jussieu 1789  
(Dogbane Family)

**1. *Amsonia*** Walter 1788  
(BLUESTARS)

1. *A. tabernaemontana* Walter. Eastern Bluestars; Wide-Leaf Bluestars. 675 (P)(Priv), 1885(P)(Pub)

**1. *Apocynum*** Linnaeus 1753  
(DOGBANE, INDIAN-HEMP)

1. *A. cannabinum* Linnaeus. Indian Hemp; Hemp Dogbane. 249 (P)(Pub), 414 (P)(Pub), 491 (P)(Pub), 540 (P)(Pub), 1192(P)(Pub), 1978(P)(Pub)

**2. *Asclepias*** Linnaeus 1753  
(MILKWEED)

1. *A. amplexicaulis* J.E. Smith. Claspig Milkweed. 177(**P-Rec**)(Pub), 298(P)(Pub), 299(P)(Pub), 307(P)(Pub), 327(**RV-Rec**)(Priv)
2. *A. quadrifolia* Jacquin. Fourleaf Milkweed. 18 May 1972, K. Landers (JSU111088)
3. *A. tuberosa* Linnaeus var. *tuberosa*. Eastern Butterfly Weed; Butterfly Milkweed. 252(P)(Pub), 419 (P)(Pub), 512 (P)(Priv), 745(P)(Pub)
4. *A. variegata* Linnaeus. White Milkweed; Redwing Milkweed. 277(P)(Pub), 1034(P)(Priv)
5. *A. verticillata* Linnaeus. Whorled Milkweed. 103(P)(Priv), 1141(P)(Pub)
6. *A. viridis* Walter. Green Milkweed; Green Antelope Horn. 860(RV)(Pub)

**3. *Gonolobus* Michaux 1803  
(ANGLEPOD)**

1. *G. suberosus* (Linnaeus) R. Brown var. *suberosus*. Eastern Anglepod; Angular Fruit Milkvine; Climbing Milkweed. 859(**RV-Rec**)(Pub), 2151 (RV)(Pub)

**4. *Matelea* Aublet 1775  
(SPINYPOD)**

1. *M. carolinensis* (Jacquin) Woodson. Carolina Spiny pod; Carolina Milkvine. 610(RV-Rec)(Pub), 1785 (P)(Pub)

**5. *Vinca* Linnaeus 1753  
(VINCA, PERIWINKLE)**

1. *V. major* Linnaeus. Greater Periwinkle; Bigleaf Periwinkle. (†) Documented in 37 of 67 Alabama counties. 1512(**P-Rec**)(Pub), 1637(P)(Priv), 1729(P)(Priv)
2. *V. minor* Linnaeus. Common Periwinkle; Lesser Periwinkle. (†) Documented in 13 of 67 Alabama counties; documented once in Cleburne County 53 years ago. (Insert collection citation here.) 1590(P)(Pub)

**14. AQUIFOLIACEAE Berchthold & J. Presl 1825  
(Holly Family)**

**1. *Ilex* Linnaeus 1753  
(HOLLY, WINTERBERRY, GALLBERRY)**

1. *I. ambigua* (Michaux) Torrey. Carolina Holly. 2 Sept 1983, M. Bussey (JSU118982)
2. *I. cornuta* Lindley & Paxton. Chinese Holly; Burford Holly. (†) 1492(P)(Pub)
3. *I. decidua* Walter. Deciduous Holly; Possum-Haw.
4. *I. longipes* Chapman ex Trelease. Georgia Holly; Chapman's Holly.

5. *I. opaca* Aiton. American Holly; Christmas Holly. 1019(P)(Pub)
6. *I. verticillata* (Linnaeus) A. Gray. Winterberry; Black-Alder. 2 Oct 1982, M. Bussey (JSU119646)
7. *I. vomitoria* Aiton. Yaupon. (†) 1815(**P-Rec**)(Priv)

**ARACEAE** de Jussieu 1789  
(**Arum Family**)

**1. *Arisaema* Martius 1831**  
(JACK-IN-THE-PULPIT, INDIAN-TURNIP)

1. *A. dracontium* (Linnaeus) Schott. Green Dragon. Collected in the Ridge and Valley region of Cleburne County by D.D. Spaulding. 130 (**P-Rec**)(Pub), 516 (P)(Priv), 1733 (P)(Priv), 1880 (P)(Pub)
2. *A. pusillum* (Peck) Nash. Small Jack-In-The-Pulpit; Swamp Jack. 167 (P)(Pub), 604 (RV)(Pub)
3. *A. quinatum* (Nuttall) Schott. Southern Jack-In-The-Pulpit; Preacher John. 850 (P)(Priv)
4. *A. triphyllum* (Linnaeus) Schott. Common Jack-In-The-Pulpit. 1911 (RV)(Pub), 2179 (P)(Priv)

**2. *Colocasia* Schott 1832**  
(ELEPHANT'S-EAR, TARO, DASHEEN)

1. *C. esculenta* (Linnaeus) Schott. Elephant's Ear; Taro; Dasheen; Coco-Yam; Eddo. 12 Jun 2018, D. Spaulding (15386).

**3. *Landoltia*\* D.H. Les & D.J. Crawford 1999**  
(DUCKMEAT)

1. *L. punctata* (G.F.W. Meyer) Les & D.J. Crawford. Dotted Duckmeat; Lesser Greater Duckweed; Dotted Duckweed. (†) 1045(**P-Rec**)(Priv)

**4. *Lemna* Linnaeus 1753**  
(DUCKWEED)

1. *L. aequinoctialis* Welwitsch. Lesser Duckweed. First collected as part of the flora of Cleburne County, Alabama on 7 Jun 2018 by D.D. Spaulding (15382) and Taylor Spaulding on private property owned by our family in the Piedmont region.
2. *L. valdiviana* Philippi. Pale Duckweed. First collected as part of the flora of Cleburne County, Alabama on 5 Jun 2018 by D.D. Spaulding (15366) and Mason Williams in the Ridge and Valley region. 594(RV)(Pub)

**5. *Orontium* Linnaeus 1753**  
(GOLDEN CLUB)

1. *O. aquaticum* Linnaeus. Golden Club; Bog Torches; Never Wet. 4 May 2002, B. Barnes (SAMF0000204)

**6. *Peltandra* Rafinesque 1819**  
(ARROW-ARUM)

1. *P. virginica* (Linnaeus) Schott. Green Arrow-Arum; Tuckahoe. 506 (P)(Pub)

**7. *Wolffia* Horkel ex Schleiden 1844**  
(WATERMEAL, MUD-MARY, ROOTLESS-DUCKWEED)

1. *W. brasiliensis* Weddell. Brazilian Watermeal. First collected as part of the flora of Cleburne County, Alabama on 7 Jun 2018 by D.D. Spaulding (15383) and Taylor Spaulding on private property owned by our family in the Piedmont region. 1229(P)(Priv)
2. *W. columbiana* Karsten. Columbian Watermeal. First collected as part of the flora of Cleburne County, Alabama on 20 Sept 2018 by D.D. Spaulding (14454) on private property owned by our family in the Piedmont region.

**16. ARALIACEAE de Jussieu 1789**  
(Ginseng Family)

**1. *Aralia* Linnaeus 1753**  
(ARALIA)

1. *A. spinosa* Linnaeus. Devil's Walking-Stick; Hercules Club; Prickly Ash. Previously, documented once in Cleburne County. 998(P)(Pub)

**2. *Hedera* Linnaeus 1753**  
(IVY)

1. *H. helix* Linnaeus var. *helix*. English Ivy; Common Ivy. (†) Previously only documented once in Cleburne County. 511(P)(Priv), 1639(P)(Priv)

**3. *Hydrocotyle*\* Linnaeus 1753**  
(WATER-PENNYWORT)

1. *H. ranunculoides* Linnaeus f. Swamp Water Pennywort; Floating Pennywort. 1518(P-Rec)(Pub)

2. *H. sibthorpioides* Lamarck. Lawn Pennywort; Lawn Marsh Pennywort. (†)  
1241(P-Rec)(Priv) 1260(P)(Pub)
3. *H. umbellata* Linnaeus. Many Flower Pennywort; Umbrella Water Pennywort;  
Many Flower Marsh Pennywort. 1259(P-Rec)(Pub)
4. *H. verticillata* Thunberg. Whorled Pennywort; Whorled Water Pennywort;  
Whorled Marsh Pennywort. 655(P-Rec)(Priv)

**17. ARISTOLOCHIACEAE** de Jussieu 1789  
(Birthwort Family)

**1. *Endodeca*** Rafinesque 1828  
(TURPENTINE-ROOT)

1. *E. serpentaria* (Linnaeus) Rafinesque. Turpentine Root; Virginia Snakeroot.  
Previously, only documented once in Cleburne County. 1126(P)(Priv)

**2. *Hexastylis*** Rafinesque 1825  
(HEARTLEAF)

1. *H. arifolia* (Michaux) Small. Little Brown Jug; Arrowleaf Ginger. 1087(P)(Priv)
2. *H. harperi* (Gaddy) B.R. Keener & L.J. Davenport. Harper's Wild Ginger;  
Harper's Heartleaf. [CON] S2/G3. Rare. 1048(P)(Priv)
3. *H. heterophylla* (Ashe) Small. Variable Leaf Heartleaf; Ashe's Ginger.  
1046(P)(Priv), 1047(P)(Priv), 1153(P)(Pub), 1386(P)(Pub), 1947(P)(Priv),  
1954(P)(Pub)

**18. \*\*ASPARAGACEAE** de Jussieu 1789  
(Asparagus Family)

**1. *Asparagus*\*** Linnaeus 1753  
(ASPARAGUS)

1. *A. officinalis* Linnaeus. Asparagus; Garden Asparagus; Sparrowgrass. (†) 907 (P-  
Rec)(Priv)

**19. ASTERACEAE** Martinov 1820  
(Aster Family)

**1. *Achillea*** Linnaeus 1753  
(YARROW, MILFOIL, THOUSAND-LEAF)

1. *A. gracilis* Rafinesque. Eastern Yarrow; Common Yarrow; Eastern Thousand Leaf. Previously documented only once in Cleburne County. 662 (P)(Priv)

**2. *Ageratina* Spach 1847**

(MILK-POISON, WHITE SNAKEROOT)

1. *A. altissima* (Linnaeus) R.M. King & H. Robinson. Common White Snakeroot; White Milk-Poison. Previously documented only once in Cleburne County. 1124 (P)(Priv) 1190 (P)(Pub), 1284 (P)(Priv), 1308 (P)(Priv), 1477 (P)(Pub)
2. *A. aromatica* (Linnaeus) Spach. Lesser Snakeroot; Small Leaf White Snakeroot. 1298(P)(Priv)

**3. *Ambrosia* Linnaeus 1753**

(RAGWEED)

1. *A. artemisiifolia* Linnaeus. Common Ragweed; Annual Ragweed. 1292 (P)(Priv), 1448 (RV)(Pub)
2. *A. trifida* Linnaeus var. *trifida*. Giant Ragweed. 15 Oct 1996, S. Hruska 1497 (JSU102966)

**4. *Antennaria* Gaertner 1791**

(PUSSYTOES)

1. *A. plantaginifolia* (Linnaeus) Hooker. Plantain Pussytoes. 1565 (P)(Pub), 2025 (P)(Pub)
2. *A. solitaria* Rydberg. Southern Single-Head Pussytoes; Solitary Pussytoes. 1749 (P)(Pub)

**5. *Anthemis* Linnaeus 1753**

(CHAMOMILE)

1. *A. cotula* Linnaeus. Stinking Chamomile; Mayweed; Dog Fennel. (†) 15 Jun 1969, P. Cobb (JSU103656)

**6. *Arctium* Linnaeus 1753**

(BURDOCK)

1. *A. lappa* Linnaeus. Greater Burdock. (†) 27 Apr 2018, T.W. Barger (ALNHS-SP#3953)

**7. *Arnoglossum* Rafinesque 1817**

(INDIAN-PLANTAIN)

1. *A. atriplicifolium* (Linnaeus) H.E. Robinson. 25 Aug 1980, R. Whetstone 10262 (JSU103740)

**8. *Artemisia* Linnaeus 1753**

(WORMWOOD, MUGWORT, SAGE)



1. *A. vulgaris* Linnaeus. Common Wormwood; Mugwort: Felon Herb. (†) First collected as part of the flora of Cleburne County on 1 Nov 2015 by D.D. Spaulding (14462) on our property in the Piedmont region. 1217(P)(Pub)

**9. *Baccharis*\*** Linnaeus 1753

(SILVERLING, HIGH-TIDE BUSH, MULLET BUSH, GROUNDSEL TREE, BACCHARIS)

1. *B. halimifolia* Linnaeus. Silverling; Groundsel Tree; Consumption Weed. 1491 (P-Rec)(Pub), 1527 (RV-Rec)(Pub)

**10. *Bidens*** Linnaeus 1753

(BEGGAR-TICKS, BUR-MARIGOLD)

1. *B. aristosa* (Michaux) Britton. Bearded Beggarticks; Midwestern Tickseed Sunflower. 1136 (RV)(Pub), 1282 (P)(Priv)
2. *B. bipinnata* Linnaeus. Spanish Needles. Until this collection, Spanish Needles had not been documented in Cleburne County in 37 years. 1359 (P)(Priv)
3. *B. discoidea* (Torrey & A. Gray) Britton. Swamp Beggarticks; Small Beggarticks; Few Bract Beggarticks. 2124 (P)(Priv)
4. *B. frondosa* Linnaeus. Devil's Beggarticks. 28 Sept 2014, D.D. Spaulding 14181 (AMAL00021464)
5. *B. polylepis* Blake. Awnless Beggarticks; Tickseed Sunflower. 29 Aug 1970, Kral 40823 (JSU104239)

**11. *Brickellia*** Elliott 1823

(FALSE-BONESET, BRICKELL-BUSH)

1. *B. eupatorioides* (Linnaeus) Shinnery var. *eupatorioides*. Eastern Kuhnia; Eastern False Boneset. 15 Oct 1996, S. Hruska (JSU104301)

**12. *Brintonia*** Greene 1895

(BRINTONIA)

1. *B. discoidea* (Elliott) Greene. Brintonia; Rayless Mock Goldenrod. 30 Sept 1979, T. Croat (MO1436455)

**13. *Carduus*\*** Linnaeus 1753

(PLUMELESS THISTLE)

1. *C. nutans* Linnaeus. Nodding Thistle; Musk Thistle. (†) 1813 (P-Rec)(Priv)

**14. *Centaurea*\*** Linnaeus 1753

(STAR-THISTLE, KNAPWEED)

1. *C. stoebe* Linnaeus ssp. *micranthos* (S.G. Gmelin ex Gugler) Hayek. Spotted Knapweed; Bushy Knapweed. 906 (P-Rec)(Pub)

**15. *Chrysopsis* (Nuttall) Elliott 1823  
(GOLDEN-ASTER)**

1. *C. mariana* (Linnaeus) Elliott. Maryland Golden-Aster. 1357 (P)(Priv), 1381 (P)(Pub), 1415 (P)(Pub)

**16. *Cirsium* P. Miller 1754  
(THISTLE)**

1. *C. altissimum* (Linnaeus) Sprengel. Tall Thistle. 980 (P)(Pub)
2. *C. carolinianum* (Walter) Fernald & Schubert. Caroline Thistle; Spring Thistle. Until this collection, Caroline Thistle had not been documented in 47 years within Cleburne County. 231 (P)(Pub), 246 (P)(Pub)
3. *C. horridulum* Michaux var. *horridulum*. Common Yellow Thistle; Horrid Thistle. 1866 (P)(Priv)
4. *C. vulgare* (Savi) Tenore. Bull Thistle. (†) 964 (P-Rec)(Priv), 965 (P)(Pub)

**17. *Conoclinium*\* A.P. de Candolle 1836  
(MISTFLOWER)**

1. *C. coelestinum* (Linnaeus) A.P. de Candolle. Mist Flower; Wild Ageratum. 1189(P-Rec)(Pub)

**18. *Coreopsis* Linnaeus 1753  
(COREOPSIS, TICKSEED)**

1. *C. auriculata* Linnaeus. Lobbed Coreopsis; Eared Tickseed. 567 (P)(Priv), 1715 (RV-Rec)(Pub)
2. *C. major* Walter. Woodland Coreopsis; Woodland Tickseed. 191 (P)(Pub), 253 (P)(Pub)
3. *C. tinctoria* Nuttall var. *tinctoria*. Calliopsis; Garden Tickseed. Previously, only documented once in Cleburne County. 341(P)(Priv) 794(RV-Rec)(Pub)
4. *C. tripteris* Linnaeus. Tall Coreopsis. Previously, only documented once in Cleburne County. 1332(P)(Pub)

**19. *Cosmos*\* Cavanilles 1791  
(COSMOS)**

1. *C. sulphureus* Cavanilles. Orange Cosmos. (†) 1223(P-Rec)(Pub)

**20. *Crepis* Linnaeus 1753  
(HAWKSBEARD)**

1. *C. pulchra* Linnaeus. Small Flower Hawk's Beard. (†) 1981(P)(Pub)

**21. *Cyanus*** P. Miller 1754  
(CORNFLOWER, BACHELOR'S-BUTTONS)

1. *C. segetum* Hill. Cornflower; Bachelor's Buttons. (†) 4 May 1994, S. Hruska (JSU104349)

**22. *Doellingeria*** Nees 1832 (FLAT-TOPPED ASTER)

1. *D. infirma* (Michaux) E. Greene. Appalachian Flat-Topped White Aster; Cornel-Leaved Aster. Previously only documented once in Cleburne County 37 years ago. 1454(P)(Priv)

**23. *Dracopis*** Cassini 1825  
(CONEFLOWER)

1. *D. amplexicaulis* (Vahl) Cassini. Clasping Coneflower. Previously only documented once in Cleburne County 36 years ago. 331(P)(Pub)

**24. *Echinacea*** Moench 1794  
(PURPLE CONEFLOWER)

1. *E. purpurea* (Linnaeus) Moench. Eastern Purple Coneflower. [CON] S2/G4. 1246(P)(Pub)

**25. *Eclipta*\*** Linnaeus 1753

1. *E. prostrata* (Linnaeus) Linnaeus. Yerba De Tajo; Pie Plate. (†) 605(RV-Rec)(Pub) 1074(P-Rec)(Priv) 1106(P)(Priv)

**26. *Elephantopus*** Linnaeus 1753  
(ELEPHANT'S-FOOT)

1. *E. carolinianus* Rauschel. Carolina Elephant's Foot. Previously, only documented once in Cleburne County: 8 Sept 1983, D. Whetstone (JSU109001). 1307 (P-Rec)(Priv)
2. *E. tomentosus* Linnaeus. Woolly Elephant's Foot; Common Elephant's Foot. 1096(P)(Priv) 1283(P)(Priv)

**27. *Erechtites*** Rafinesque 1817  
(FIREWEED)

1. *E. hieraciifolius* (Linnaeus) Rafinesque ex A.P. de Candolle. Fireweed; American Burnweed. 28 Sept 1992, M. Ballard (JSU109047)

**28. *Erigeron*** Linnaeus 1753

(DAISY FLEABANE)

1. *E. annuus* (Linnaeus) Persoon. Annual Fleabane; Eastern Daisy Fleabane. 126, 193 (P)(Pub), 254, 371 (P)(Priv), 411 (P)(Pub), 557 (P)(Priv), 561 (P)(Pub), 646 (RV)(Pub), 793 (RV)(Pub), 1797 (P)(Priv)
2. *E. canadensis* Linnaeus. Common Horseweed; Mare's Tail. 369 (P)(Priv), 396 (P)(Pub), 558 (P)(Pub), 952 (P)(Pub)
3. *E. philadelphicus* Linnaeus var. *philadelphicus*. Philadelphia Daisy; Philadelphia Fleabane. 1662 (P)(Pub), 1920 (RV)(Pub)
4. *E. pulchellus* Michaux var. *pulchellus*. Robin's Plantain. 1586 (RV-Rec)(Pub)
5. *E. strigosus* Muhlenberg ex Willdenow var. *strigosus*. Common Rough Fleabane; Lesser Daisy Fleabane. 107(P)(Priv), 294 (P)(Pub), 386 (P)(Pub), 408 (P)(Pub)

**29. *Eupatorium*** Linnaeus 1753

(EUPATORIUM, THOROUGHWORT, DOG-FENNEL)

1. *E. album* Linnaeus. White-Bracted Thoroughwort; White Thoroughwort. 433 (P)(Pub), 1140 (P)(Pub), 1264 (P)(Pub)
2. *E. altissimum* Linnaeus. Tall Thoroughwort. 17 Sept 2005, R. Kral (TROY000020707)
3. *E. capillifolium* (Lamarck) Small. Common Dog Fennel; Yankee Weed. 28 Sept 1992, M. Ballard (JSU110139)
4. *E. hyssopifolium* Linnaeus. Hyssopleaf Eupatorium. 3 Nov 1983, R. Whetstone (JSU110654)
5. *E. linearifolium* Walter. Narrowleaf Bushy Eupatorium. 26 Mar 1995, S. Hruska (JSU110667)
6. *E. perfoliatum* Linnaeus. Boneset. 1171(P)(Priv)
7. *E. pubescens* Muhlenberg ex Willdenow. Inland Roundleaf Eupatorium. 28 Jul 2002, D.D. Spaulding (11490)
8. *E. rotundifolium* Linnaeus. Common Roundleaf Eupatorium; Common Roundleaf Thoroughwort. 499 (P)(Pub), 892 (P)(Pub)
9. *E. serotinum* Michaux. Late Eupatorium. 2086 (P)(Pub)
10. *E. sessilifolium* Linnaeus var. *sessilifolium*. Sessile Leaf Eupatorium. 26 Jul 1983, M. Bussey (JSU111423)
11. *E. torreyanum* Short & R. Peter. Torrey's Thoroughwort. 1331 (P)(Pub)

**30. *Eurybia*** (Cassini) Cassini 1820

(WOOD-ASTER)

1. *E. divaricata* (Linnaeus) Nesom. Common White Heart-Leaved Aster; White Wood Aster. 1146 (P-Rec)(Pub), 1428 (RV-Rec)(Pub)
2. *E. hemispherica* (Alexander) Nesom. Prairie Grass-Leaved Aster; Southern Pine Aster; Prairie Wood Aster. Possibly the first known collection in the Piedmont province of the United States. 1183 (P-Rec)(Pub)
3. *E. surculosa* (Michaux) Nesom. Creeping Aster. [CON] S1/G4. 2088 (P)(Pub)

**31. *Eutrochium* Rafinesque 1838**  
(JOE-PYE-WEED)

1. *E. fistulosum* (Barratt) E.E. Lamont. Hollow-Stem Joe-Pye-Weed; Trumpet Weed. 1167 (P)(Priv)
2. *E. purpureum* (Linnaeus) E.E. Lamont var. *purpureum*. Purple-Node Joe-Pye-Weed; Sweet Scented Joe-Pye-Weed. 422 (P)(Pub), 475 (P)(Pub), 875 (P)(Pub), 913 (RV)(Pub), 1054 (P)(Priv)

**32. *Facelis***  
(TRAMPWEED)

1. *F. retusa* (Lamarck) Schultz-Bipontinus. Annual Trampweed. (†) 21 May 2017, D.D. Spaulding (14772) with M.T. Spaulding and Taylor Spaulding.

**33. *Gaillardia* Fougereux 1786**  
(BLANKET-FLOWER, GAILLARDIA, FIREWHEELS)

1. *G. aestivalis* (Walter) H. Rock var. *aestivalis*. Sandhills Gaillardia. 12 Sept 1975, D. Rutland (AUA000004100)
2. *G. pulchella* Fougereux. Firewheel; Common Blanket Flower. 25 May 1994, S. Hruska (JSU111661)

**34. *Galinsoga* Ruiz & Pavon 1794**  
(PERUVIAN DAISY, QUICKWEED, GALLANT SOLDIER)

1. *G. quadriradiata* Ruiz & Pavon. Common Peruvian Daisy; Devil's Delight. (†) 7 Oct 2007, B. Keener (AMAL00012721)

**35. *Gamochaeta* Weddell 1856**  
(CUDWEED, EVERLASTING)

1. *G. antillana* (Urban) Anderberg. Delicate Everlasting. (†) 2059 (**P-Rec**)(Priv)
2. *G. argyrinea* Nesom. Silvery Cudweed. 1769 (**P-Rec**)(Priv) 1781 (P)(Pub)
3. *G. calviceps* (Fernald) Cabrera. Narrow Leaf Purple Everlasting. 21 May 2017, D.D. Spaulding (14773) with M.T. Spaulding and Taylor Spaulding.
4. *G. coarctata* (Willdenow) Kerguelen. Elegant Cudweed. (†) 105 (P-Rec)(Priv)
5. *G. purpurea* (Linnaeus) Cabrera. Purple Everlasting; Purple Cudweed. Until this collection, Purple Cudweed had not been documented within Cleburne County in 43 years. 1781 (P)(Pub)

**36. *Helenium* Linnaeus 1753**  
(SNEEZEWEED, BITTERWEED)

1. *H. amarum* (Rafinesque) H. Rock var. *amarum*. Bitterweed. Until this collection, Bitterweed had not been documented within Cleburne County in 45 years. 513 (P)(Priv)
2. *H. autumnale* Linnaeus. Common Sneezeweed; Fall Sneezeweed. Previously documented once (47 years ago) in Cleburne County. 1328 (P)(Pub)
3. *H. flexuosum* Rafinesque. Southern Sneezeweed; Purple Head Sneezeweed. 1159 (P-Rec)(Priv)

**37. *Helianthus* Linnaeus 1753**  
(SUNFLOWER)

1. *H. angustifolius* Linnaeus. Narrow-Leaf Sunflower. 1263 (P)(Pub), 1325 (P)(Pub), 1354 (P)(Pub), 1382 (P)(Pub)
2. *H. annuus* Linnaeus. Common Sunflower. (†) 1248 (P-Rec)(Pub), 2160 (RV-Rec)(Pub)
3. *H. atrorubens* Linnaeus. Appalachian Sunflower; Purple Disk Sunflower. 1276 (P)(Priv), 1401 (P)(Pub)
4. *H. divaricatus* Linnaeus. Woodland Sunflower. 12 Jul 1993, M. Ballard (JSU114213)
5. *H. eggertii* Small. Eggert's Sunflower. [CON] S1/G3. Endemic to the Southeastern United States: Alabama, Kentucky, South Carolina, and Tennessee. 2083 (P-Rec)(Pub)
6. *H. hirsutus* Rafinesque. Hairy Sunflower. Until these collections, Hairy Sunflower had not been documented within Cleburne County in 37 years. 833 (RV-Rec)(Pub), 1269 (P)(Pub)
7. *H. microcephalus* Torrey & A. Gray. Small-Headed Sunflower. 1249 (P)(Pub), 2137 (P)(Priv), 1303 (P)(Priv)
8. *H. resinusus* Small. Resinous Sunflower: Resin Dot Sunflower. 1268 (P-Rec)(Pub)
9. *H. silphoides* Nuttall. Rosinweed Sunflower. 28 Aug 1970, R. Kral (UNA00047643)
10. *H. smithii* Heiser. Smith's Sunflower. [CON] S2/G2. Endemic to these three Southeastern States: Alabama, Georgia, and Tennessee. 1139 (P)(Pub), 2084 (P)(Pub)
11. *H. strumosus* Linnaeus. Rough Sunflower; Pale Leaf Sunflower. 12 Aug 1992, F. Hutchison (JSU146202)
12. *H. tuberosus* Linnaeus. Jerusalem Artichoke. (†) 1353 (P-Rec)(Pub)

**38. *Heliopsis* Persoon 1807**  
(SUNFLOWER-EVERLASTING, OXEYE)

1. *H. helianthoides* (Linnaeus) Sweet var. *helianthoides*. Eastern Sunflower-Everlasting; Eastern Oxeye. 23 Oct 1992, F. Hutchinson (JSU144431)

**39. *Hieracium* Linnaeus 1753**  
(HAWKWEED, KING-DEVIL)

1. *H. gronovii* Linnaeus. Beaked Hawkweed; Hairy Hawkweed. 764 (**RV-Rec**)(Pub), 1245 (P)(Pub), 1391 (P)(Pub)
2. *H. marianum* Willdenow. Maryland Hawkweed. 25 May 1994, S. Hruska (JSU115421)
3. *H. venosum* Linnaeus. Veiny Hawkweed; Rattlesnake Weed. Until the current collections, Rattlesnake Weed had not been documented within Cleburne County in 44 years. 612 (RV)(Pub), 1712 (RV)(Pub)

**40. *Hypochaeris* Linnaeus 1753**  
(CAT'S-EAR)

1. *H. radicata* Linnaeus. Spotted Cat's Ear; Hairy Cat's Ear. (†) Until this collection, Spotted Cat's Ear had only been documented once within Cleburne County (53 years ago). 1751 (P)(Pub)

**41. *Ionactis* Greene 1897**  
(STIFF-LEAVED ASTER)

1. *I. linariifolia* (Linnaeus) Greene. Stiff-Leaved Aster; Flaxleaf Aster. 1421 (**RV-Rec**)(Pub), 1481 (P)(Pub)

**42. *Iva* Linnaeus 1753**  
(MARSH-ELDER)

1. *I. annua* Linnaeus. Sumpweed; Rough Marsh-Elder. 11 Sept 1975, D. Rutland (AUA000005009)

**43. *Jamesianthus* Blake & Sherff 1940**  
(WARBONNET)

1. *J. alabamensis* S.F. Blake & Sherff. Alabama Warbonnet. [CON] S3/G3. 1 Oct 1992, S. Oberholster (AUA000025686)

**44. *Krigia* Schreber 1791**  
(CYNTHIA, DWARF-DANDELION)

1. *K. biflora* Schreber ssp. *biflora*. Orange Dwarf-Dandelion; Twin Flowered Cynthia. 385 (P)(Pub), 468 (P)(Pub), 586 (P)(Priv), 1418 (**RV-Rec**)(Pub)
2. *K. cespitosa* (Rafinesque) K.L. Chambers. Opposite-Leaf Dwarf-Dandelion. Until this collection, *K. cespitosa* had been documented once within Cleburne County (44 years ago). 1778 (P)(Priv)
3. *K. dandelion* (Linnaeus) Nuttall. Colonial Dwarf-Dandelion; Potato Dwarf-Dandelion. 1741 (**P-Rec**)(Priv)

4. *K. virginica* (Linnaeus) Willdenow. Virginia Dwarf Dandelion. 4 Apr 1994, S. Hruska (JSU115865)

**45. *Lactuca* Linnaeus 1753**  
(LETTUCE)

1. *L. canadensis* Linnaeus. American Wild Lettuce; Tall Lettuce. 539 (P)(Pub), 981 (P)(Pub), 1277 (P)(Priv)
2. *L. floridana* (Linnaeus) Gaertner. Woodland Lettuce; Blue Lettuce. 1206 (P)(Priv), 1310 (P)(Priv)
3. *L. graminifolia* Michaux var. *graminifolia*. Grassleaf Lettuce; Coastal Plain Lettuce. 1823 (**RV-Rec**)(Pub)
4. *L. saligna* Linnaeus. Willow Leaf Lettuce. (†) 18 Jul 2012, T.W. Barger (ALNHA-SP#623)
5. *L. serriola* Linnaeus. Prickly Lettuce. (†) 949 (**P-Rec**)(Pub)

**46. *Leucanthemum* P. Miller 1754**  
(OXEYE DAISY)

1. *L. vulgare* Lamarck. Common Daisy; Oxeye Daisy; White Daisy. (†) 102 (P)(Priv), 670 (P)(Priv), 721 (P)(Priv)

**47. *Liatris* Schreber 1791**  
(BLAZING-STAR, GAYFEATHER)

1. *L. aspera* Michaux. Rough Blazing Star; Tall Gayfeather. 25 Aug 1980, R. Whetstone (JSU116715)
2. *L. elegantula* (Greene) K. Schumann. Grassleaf Blazing Star; Grassleaf Gayfeathers. 1393 (P)(Pub)
3. *L. microcephala* (Small) K. Schumann. Small Head Blazing Star. 5 Aug 1982, R. Whetstone (JSU116715)
4. *L. spicata* Linnaeus. Florist's Gayfeather; Dense Blazing Star; Dense Gayfeather. 1144 (P)(Pub)
5. *L. squarrosa* Michaux. Appalachian Blazing Star; Appalachian Gayfeather. 1478 (P)(Pub)

**48. *Mikania* Willdenow 1803**  
(CLIMBING HEMPWEED)

1. *M. scandens* (Linnaeus) Willdenow. Climbing Hempweed. 811 (**RV-Rec**)(Priv)

**49. *Nabalus* Cassini 1825**



(RATTLESNAKE ROOT)

1. *N. altissimus* (Linnaeus) Hooker. Tall Rattlesnake Root.
2. *N. serpentarius* (Pursh) Hooker. Lion's Foot; Gall of the Earth. 28 Sept 1992, M. Ballard (JSU117899)

**50. *Packera*** Á. Löve & D. Löve 1976  
(RAGWORT)

1. *P. anonyma* (Wood) W.A. Weber & Á. Löve. Appalachian Ragwort; Southern Ragwort. 188 (P)(Priv), 264 (P)(Pub), 1693 (P)(Pub)
2. *P. glabella* (Poiret) C. Jeffrey. Butterweed; Smooth Ragwort. First added as an element to the flora of Cleburne County in 2016 by D.D. Spaulding. 1558 (P)(Pub)
3. *P. obovata* (Muhlenberg ex Willdenow) W.A. Weber & Á. Löve. Roundleaf Groundsel; Roundleaf Ragwort. 1548 (RV)(Pub), 1594 (RV)(Pub), 1607 (RV)(Pub), 1718 (RV)(Pub)

**51. *Parthenium*** Linnaeus 1753  
(WILD QUININE)

1. *P. integrifolium* Linnaeus var. *integrifolium*. Common Wild Quinine. 109 (P)(Priv), 248 (P)(Pub)

**52. *Pityopsis*** Nuttall 1840  
(GRASS-LEAVED GOLDEN-ASTER)

1. *P. aspera* (Shuttleworth ex Small) Small var. *adenolepis* (Fernald) Semple & Bowers. Carolina Silkgrass. 1143 (P)(Pub), 1475 (P)(Pub)
2. *P. microcephala* (Small) Small. Small Head Silkgrass. 1358 (Priv)(Pub)
3. *P. nervosa* (Willdenow) Dress. Grassleaf Golden Aster. 1348 (P)(Priv), 1380 (P)(Pub), 1483 (P)(Pub)

**53. *Pluchea*\*** Cassini 1817  
(MARSH-FLEABANE)

1. *P. camphorata* (Linnaeus) A.P. de Candolle. Common Camphorweed; Camphor Pluchea. 1323 (P-Rec)(Pub)

**54. *Polymnia*** Linnaeus 1753  
(LEAFCUP)

1. *P. canadensis* Linnaeus. White Flower Leafcup; Small Flower Leafcup. 14 Sept 1982, M. Bussey (JSU119086)

**55. *Pseudognaphalium*** Kirpicznikov 1950  
(RABBIT-TOBACCO)

1. *P. obtusifolium* (Linnaeus) Hilliard & Burt. Eastern Rabbit Tobacco.

**56. *Pyrrhopappus*** A.P. de Candolle 1838  
(FALSE-DANDELION)

1. *P. carolinianus* (Walter) A.P. de Candolle. False Dandelion. 127, 348 (P)(Pub), 437 (P)(Pub), 837 (P)(Priv)

**57. *Rudbeckia*** Linnaeus 1753  
(YELLOW CONEFLOWER, BLACK-EYED SUSAN)

1. *R. hirta* Linnaeus var. *hirta*. Woodland Black-Eyed Susan. 5 Aug 1982, D. Whetstone (JSU119602)
2. *R. hirta* Linnaeus var. *pulcherrima* Farwell. Weedy Black-Eyed Susan. 241 (P)(Pub), 430 (P)(Pub), 747 (P)(Pub)
3. *R. laciniata* Linnaeus var. *digitata* (Miller) Fiori. Southeastern Coneflower; Coastal Plain Cutleaf Coneflower. 632 (RV)(Pub)
4. *R. laciniata* Linnaeus var. *laciniata*. Common Cutleaf Coneflower. 1442 (RV-Rec)(Pub)

**58. *Senecio*\*** Linnaeus 1753  
(RAGWORT, GROUNDSEL)

1. *S. vulgaris* Linnaeus. Groundsel; Old Man in the Spring. (†) 1517 (P-Rec)(Priv)

**59. *Sericocarpus*** Nees 1832  
(WHITE-TOPPED ASTER)

1. *S. asteroides* (Linnaeus) Britton, Sterns, & Poggenburg. Toothed White Top Aster. 293 (P)(Pub), 305 (P)(Pub), 418 (P)(Pub), 489 (P)(Pub)
2. *S. linifolius* (Linnaeus) Britton, Sterns, & Poggenburg. Narrowleaf White Top Aster. 484 (P)(Pub), 983 (P)(Pub)

**60. *Silphium* Linnaeus 1753**  
(ROSINWEED)

1. *S. asteriscus* Linnaeus var. *latifolium* (A. Gray) J.A. Clevinger. Southern Rosinweed. 590 (P)(Pub), 1253 (P)(Pub), 1267 (P)(Pub)
2. *S. asteriscus* Linnaeus var. *trifoliatum* (Linnaeus) J.A. Clevinger. Whorled Rosinweed. 1266 (**P-Rec**)(Pub)
3. *S. brachiatum* Gattinger. Cumberland Rosinweed. [**CON**] **S2/G2**. Endemic to Alabama and Tennessee. 922 (**RV-Rec**)(Pub), 2148 (RV)(Pub)
4. *S. compositum* Michaux var. *compositum*. Composite Leaf Rosinweed; Carolina Rosinweed. 899 (P)(Pub), 1211 (P)(Pub)
5. *S. dentatum* Elliott. Toothed Rosinweed. 1118 (P)(Pub), 1270 (P)(Pub)

**61. *Smallanthus* Mackenzie 1933**  
(BEARSFOOT)

1. *S. uvedalia* (Linnaeus) Mackenzie. Bear's Foot; Yellow Flower Leafcup. 488 (P)(Pub)

**62. *Solidago* Linnaeus 1753**  
(GOLDENROD)

1. *S. altissima* Linnaeus var. *altissima*. Tall Goldenrod; Common Goldenrod. 1108 (P)(Priv), 1170 (P)(Pub)
2. *S. arguta* Aiton var. *caroliniana* A. Gray. Vasey's Goldenrod; Sharpleaf Goldenrod; Sharp Tooth Goldenrod. 847 (P)(Priv), 1208 (P)(Pub)
3. *S. caesia* Linnaeus var. *caesia*. Axillary Goldenrod; Wreath Goldenrod; Bluestem Goldenrod. 1288 (P)(Priv), 1365 (P)(Priv)
4. *S. curtissii* Torrey & A. Gray. Curtis's Goldenrod. 14 Sept 1982 (JSU122611)
5. *S. erecta* Banks ex Pursh. Erect Goldenrod; Slender Goldenrod. 1185 (P)(Pub), 1281 (P)(Priv), 1377 (P)(Pub), 1384 (P)(Pub)
6. *S. flaccidifolia* Small. Mountain Goldenrod; Appalachian Goldenrod. 1460 (**P-Rec**)(Priv)
7. *S. gigantea* Aiton. Smooth Goldenrod; Giant Goldenrod. 4 Aug 2002, D. Spaulding (UNA00059275)
8. *S. hispida* Muhlenberg ex Willdenow var. *hispida*. Hairy Goldenrod. 28 Aug 1992, M. Ballard (JSU122876)
9. *S. nemoralis* Aiton ssp. *nemoralis*. Eastern Gray Goldenrod. 164 (P)(Pub), 817 (RV)(Pub), 1390 (P)(Pub)
10. *S. odora* Aiton. Licorice Goldenrod; Sweet Goldenrod; Anise Goldenrod. 1138 (P)(Pub), 1297 (P)(Priv), 1446 (RV)(Pub)
11. *S. patula* Muhlenberg ex Willdenow. Northern Roughleaf Goldenrod; Swamp Goldenrod. 1013 (P)(Pub), 1461 (P)(Priv)

12. *S. sphacelata* Rafinesque. Limestone Goldenrod; False Goldenrod. 501 (**P-Rec**)(Pub), 2121 (P)(Priv)
13. *S. ulmifolia* Muhlenberg ex Willdenow var. *ulmifolia*. Elmleaf Goldenrod. 1376 (P)(Pub)

**63. Soliva\*** Ruiz & Pavón 1794  
(BURWEED)

1. *S. sessilis* Ruiz & Pavón. Field Burweed; Lawn Burweed. (†) 1508 (**P-Rec**)(Pub), 1522 (P)(Pub)

**64. Sonchus** Linnaeus 1753  
(SOW-THISTLE, MILK-THISTLE)

1. *S. asper* (Linnaeus) Hill. Spiny Leaf Sow Thistle; Prickly Sow Thistle. (†) 435 (P)(Pub), 968 (P)(Pub), 1216 (P)(Pub), 1497(P)(Pub), 1873 (P)(Priv)

**65. Symphyotrichum** Nees 1833  
(AMERICAN ASTER)

1. *S. concinnum* (Willdenow) Mohlenbrock. Narrowleaf Smooth Aster; Harmonious Aster. [CON] **S2/G5T4**. 1403 (P)(Pub), 1423 (**RV-Rec**)(Pub)
2. *S. concolor* (Linnaeus) Nesom var. *concolor*. Eastern Silvery Aster. 1404 (P)(Pub), 1479 (P)(Pub), 1482 (P)(Pub)
3. *S. dumosum* (Linnaeus) Nesom var. *dumosum*. Long-Stalked Aster; White Bushy Aster; Rice Button Aster. 165 (P)(Pub), 1228 (P), 1383 (P)(Pub), 1412 (P)(Pub)
4. *S. lanceolatum* (Willdenow) Nesom var. *lanceolatum*. Tall White Aster; Common Panicked Aster. 1429 (**RV-Rec**)(Pub), 1447 (RV)(Priv)
5. *S. lateriflorum* (Linnaeus) Á. Löve & D. Löve. Calico Aster; Starved Aster. 1366 (P)(Priv), 1405 (P)(Pub)
6. *S. oblongifolium* (Nuttall) Nesom. Eastern Aromatic Aster. 6 Oct 2014, D. Spaulding (UWAL0031038)
7. *S. oolentangiense* (Riddell) Nesom var. *oolentangiense*. Azure Aster. [CON] **S1/G5T5**. 19 Sept 1982, M. Bussey (JSU123558)
8. *S. patens* (Aiton) Nesom var. *patens*. Common Clasping Aster. 895 (P)(Pub), 929 (P)(Pub), 1406 (P)(Pub), 1414 (P)(Pub), 1474 (P)(Pub), 1476 (P)(Pub)
9. *S. pilosum* (Willdenow) Nesom var. *pilosum*. Frost Aster; White Oldfield Aster. 1356 (P)(Priv), 1363 (P)(Priv), 1472 (P)(Pub)
10. *S. shortii* (Lindley) Nesom. Short's aster; Midwestern Heartleaf Aster. 1471 (P)(Pub)
11. *S. undulatum* (Linnaeus) Nesom. Wavyleaf Aster. 233 (P)(Pub), 314 (P)(Pub), 430 (P)(Pub), 834 (P)(Pub), 1394 (P)(Pub), 1399 (P)(Pub), 1449 (**RV-Rec**), 1480 (P)(Pub), 1827 (RV)(Pub),

12. *S. urophyllum* (Lindley) G.L. Nesom. Arrowleaf Aster; Sword Leaf Aster.

**66. *Taraxacum*** G.H. Weber ex Wiggers 1780  
(DANDELION)

1. *T. erythrospermum* Andrzejowski ex Besser. Red Seed Dandelion. (†) 1515 (**P-Rec**), 1564 (P)(Pub)
2. *T. officinale* G.H. Weber ex Wiggers. Common Dandelion. (†) 25 Mar 1973, S. Windsor (JSU124314)

**67. *Verbesina*** Linnaeus 1753  
(CROWNBEARD, WINGSTEM, FROSTWEED)

1. *V. alternifolia* (Linnaeus) Britton ex Kearney. Common Wingstem; Yellow Ironweed. 1317 (P)(Pub), 2136 (P)(Priv)
2. *V. occidentalis* (Linnaeus) Walter. Southern Crownbeard. 1424 (**RV-Rec**)(Pub)
3. *V. virginica* Linnaeus var. *virginica*. White Crownbeard; Frostweed. 1453 (**P-Rec**)(Priv), 1464 (P)(Priv), 2120 (P)(Priv), 2135 (P)(Priv)

**68. *Vernonia*** Schreber 1791  
(IRONWEED)

1. *V. flaccidifolia* Small. Woodland Ironweed; Tennessee Ironweed. 458 (P)(Pub), 867 (P)(Pub), 1035 (P)(Priv)
2. *V. gigantea* (Walter) Trelease. Common Ironweed; Giant Ironweed. 1076 (P)(Priv), 1213 (P)(Pub)
3. *V. glauca* (Linnaeus) Willdenow. Appalachian Ironweed; Tawny Ironweed; Broaflor Ironweed. 18 Aug 1979, L. Davenport (UNA00049772)
4. *V. noveboracensis* (Linnaeus) Michaux. New York Ironweed. 17 Sept 2005, R. Kral (TROY000020700)

**69. *Youngia*** Cassini 1831  
(YOUNGIA)

1. *Y. japonica* (Linnaeus) A.P. de Candolle. Asiatic Hawk's Beard; Oriental False Hawk's Beard. (†) 1368 (**P-Rec**)(Priv)
2. *Y. thunbergiana* A.P. de Candolle. Youngia. (†) First documented as part of the Cleburne County flora on 12 Apr 2016, D.D. Spaulding (14488) with my daughters, Kailey and Kaitlyn Hendrix.

**70. \**Zinnia*** Linnaeus 1759  
(ZINNIA)

1. *Z. elegans* Jacquin. Garden Zinnia; Elegant Zinnia. (†) 1355 (P-Rec)(Priv)

**20. BALSAMINACEAE** A. Richard 1822  
(Touch-Me-Not Family)

**1. *Impatiens*** Linnaeus 1753  
(JEWELWEED, TOUCH-ME-NOT, SNAPWEED, BALSAM)

1. *I. capensis* Meerburgh. Orange Jewelweed; Orange Touch-Me-Not. 515 (P)(Priv), 542 (P)(Priv), 706 (P)(Priv)

**21. BERBERIDACEAE** de Jussieu 1789  
(Barberry Family)

**1. \**Mahonia*** Nuttall 1818  
(MAHONIA, OREGON-GRAPE)

1. *M. bealei* (Fortune) Carrière. Leather Leaf Mahonia; Holly-Grape; Chinese Mahonia. (†) 1230 (P-Rec)(Pub)

**2. *Nandina*** Thunberg 1781  
(NANDINA, SACRED-BAMBOO)

1. *N. domestica* Thunberg. Nandina; Sacred-Bamboo. (†) 1327 (P)(Pub)

**3. *Podophyllum*** Linnaeus 1753  
(MAY-APPLE)

1. *P. peltatum* Linnaeus. May Apple; American Mandrake. 320 (P)(Priv), 676 (P)(Priv), 1624 (P)(Priv), 1907 (RV)(Pub)

**22. BETULACEAE** S.F. Gray 1822  
(Birch Family)

**1. *Alnus*** P. Miller 1754

(ALDER)

1. *A. serrulata* (Aiton) Willdenow. Tag Alder; Smooth Alder; Hazel Alder. 217 (P)(Priv), 461 (P)(Pub)

**2. *Betula* Linnaeus 1753**  
(BIRCH)

1. *B. lenta* Linnaeus var. *lenta*. Sweet Birch; Cherry Birch; Black Birch. 30 Apr 1964, M. Stuart (JSU105264)
2. *B. nigra* Linnaeus. River Birch; Red Birch. 26 Apr 1969, K. Landers (JSU143239)

**3. *Carpinus* Linnaeus 1753**  
(HORNBEAM, IRONWOOD, MUSCLE-TREE, WATER-BEECH, BLUE-BEECH)

1. *C. caroliniana* Walter. American Hornbeam; Blue Beech; Muscle Wood. 857 (RV)(Pub) Weakly (2020) distinguishes two varieties *Carpinus* Walter var. *caroliniana* and *Carpinus* Walter var. *virginiana* (Marshall) Fernald and states, "The two taxa have some morphologic and phytogeographic coherence, but intergradation appears to be extensive, and individual specimens (in the herbarium) or trees (in the field) may not be readily identifiable to variety." The variety of my specimen has not been determined therefore the typical variety is used here.

**4. *Corylus* Linnaeus 1753**  
(HAZELNUT, FILBERT)

1. *C. americana* Walter. American Hazelnut; American Filbert. 640 (RV)(Pub), 1081 (P)(Priv), 1940 (P)(Priv)

**5. *Ostrya* Scopoli 1760**  
(HOP-HORNBEAM, IRONWOOD)

1. *O. virginiana* (P. Miller) K. Koch. American Hop Hornbeam; Ironwood; Leverwood. 791 (RV)(Pub), 1113 (P)(Priv)

**23. BIGNONIACEAE de Jussieu 1789**  
(**Bignonia Family**)

**1. *Bignonia* Linnaeus 1753**  
(CROSS-VINE)

1. *B. capreolata* Linnaeus. Crossvine; Quartervine. There are approximately twenty-eight species in the genus *Bignonia*; Crossvine is the only native *Bignonia* species in our region. 2021, 2031

**2. *Campsis* Loureiro 1790  
(TRUMPET-CREEPER)**

1. *C. radicans* (Linnaeus) Seemann ex Bureau. Trumpet Creeper; Cow Itch Vine. 357 (P)(Pub), 393 (P)(Pub)

**3. *Catalpa* Scopoli 1777  
(CATALPA)**

1. *C. bignonioides* Walter. Southern Catalpa. 16 April 2002, D. Hataway (SAMF0005023)

**24. BORAGINACEAE de Jussieu 1789  
(Borage Family)**

**1. *Andersonglossum* J.I. Cohen 2015  
(AMERICAN COMFREY)**

1. *A. virginianum* (Linnaeus) J.I. Cohen. Southern Wild Comfrey; Blue Hound's Tongue. Specimen 1731 was documented in close proximity to the only other collection for Cleburne County (61 year ago): 27 Apr 1959, C.E. Wood, Jr. (Harvard 02026179). 1710 (RV-Rec)(Priv), 1731 (P)(Priv)

**2. *Heliotropium***

1. *H. indicum* Linnaeus. Turnsole; Indian Heliotrope. 2158 (P)(Priv)

**3. \**Lithospermum* Linnaeus 1753  
(GROMWELL, PUCCOON, STONESEED)**

1. *L. tuberosum* Rugel ex A.P. de Candolle. Southern Stoneseed; Tuberous Gromwell. 1913 (RV-Rec)(Priv)

**4. *Mertensia* Roth 1797  
(BLUEBELL)**

1. *M. virginica* (Linnaeus) Persoon ex Link. Virginia Bluebells. 1903 (RV)(Priv)



**5. *Myosotis* Linnaeus 1753**  
(FORGET-ME-NOT; SCORPION GRASS)

1. *M. macrosperma* Engelman. Bigseed Forget Me Not. Previously collected once as an element of the Cleburne County flora on: 11 Mar 2016, D.D. Spaulding (UWAL0037161). 2075 (P)(Priv)

**25. BRASSICACEAE Burnett 1835**  
(Mustard Family)

**1. *Abdra*\* E.L. Greene 1900**  
(DRABA)

1. *A. brachycarpa* (Nuttall ex Torrey & A. Gray) E.L. Greene. Short Fruited Abdra; Short Pod Whitlow Grass. 1514 (P-Rec)(Priv)

**2. *Barbarea* R. Brown 1812**  
(WINTER-CRESS, CREAMY GREENS)

1. *B. verna* (P. Miller) Ascherson. Early Wintercress. (†) 8 Apr 1970, J. Sims (JSU113958)

**3. *Borodinia* N. Busch 1921**  
(ROCK-CRESS)

1. *B. canadensis* (Linnaeus) P.J. Alexander & Windham. Sicklepod; Canadian Rockcress. 6 Apr 1997, F. Hutchinson (JSU146183)

**4. *Brassica*\* Linnaeus 1753**  
(MUSTARD, TURNIP, RAPE, CABBAGE, COLLARD GREENS, KALE, BROCCOLI)

1. *B. rapa* Linnaeus. Turnip; Field Mustard; Bird's Rape. (†) 1529 (RV-Rec), 1857 (P-Rec)(Pub), 2047 (P)(Pub)

**5. *Capsella* Medikus 1792**  
(SHEPHERD'S PURSE)

1. *C. bursa-pastoris* (Linnaeus) Medikus. Common Shephard's Purse. (†) 1496 (P-Rec)(Pub)

**6. *Cardamine* Linnaeus 1753**

(BITTERCRESS, TOOTHWORT)

1. *C. angustata* O.E. Schulz. Eastern Slender Toothwort. 1633 (P)(Priv)
2. *C. bulbosa* (Schreber ex Muhlenberg) Britton, Sterns, & Poggenburg. Bulbous Bittercress. 1670 (P)(Priv)
3. *C. concatenata* (Michaux) O. Schwartz. Cut Leaf Toothwort. Until this collection, this species had not been documented in Cleburne County in 47 years. 11 Mar 1972, R. Whetstone (JSU116211). 1552 (RV)(Pub)
4. *C. diphylla* (Michaux) Alph. Wood. Crinkleroot; Toothwort; Turkey Mustard. 11 Mar 1972, R. Whetstone (JSU116247)
5. *C. hirsuta* Linnaeus. Hairy Bittercress. (†) 1528 (RV-Rec)(Pub)
6. *C. parviflora* Linnaeus var. *arenicola* (Britton) D.E. Schulz. Sand Bittercress. 11 Mar 1971, J. Holder (JSU116520)
7. *C. pensylvanica*. Muhlenberg ex Willdenow. Pennsylvania Bittercress; Quaker Bittercress. First collected as an element of the flora on 11 Mar 2016, D.D. Spaulding (14465). 1725 (P)(Priv)

**7. *Draba*\*** Linnaeus 1753  
(DRABA, WHITLOW-GRASS)

1. *D. verna* Linnaeus. Whitlow Grass. (†) 1521 (P-Rec)(Pub)

**8. *Lepidium*** Linnaeus 1753  
(PEPPERWORT, PEPPERGRASS, PEPPERWEED)

1. *L. densiflorum* Schrader. Miner's Pepperwort; Prairie Pepperwort. (†) 1980 (P)(Pub)
2. *L. didymum* Linnaeus. Lesser Swinecress; Wartcress. (†) 1520 (P-Rec)(Pub)
3. *L. virginicum* Linnaeus var. *virginicum*. Poor Man's Pepper. 121 (P)(Priv), 728 (P)(Priv), 1194 (P)(Pub), 1502 (P)(Pub)

**9. *Nasturtium*** R. Brown 1812  
(WATERCRESS)

1. *N. officinale* W.T. Aiton. Watercress. (†) 603 (RV)(Pub), 1888 (RV)(Pub)

**10. *Raphanus*** Linnaeus 1753  
(RADISH)

1. *R. raphanistrum* Linnaeus ssp. *raphanistrum*. Wild Radish. (†) 1869 (P)(Pub)

**11. *Sinapis*** Linnaeus 1753  
(MUSTARD)

1. *S. alba* Linnaeus. White Mustard; Yellow Mustard. 30 May 1972, R. Whetstone (JSU118339)

**12. *Sisymbrium* Linnaeus 1753**  
(JIM HILL MUSTARD)

1. *S. officinale* (Linnaeus) Scopoli. Common Hedge Mustard. (†) 12 Apr 1997, M. Ballard (JSU118354)

**26. BUXACEAE Dumortier 1822**  
(Boxwood Family)

**1. *Buxus*\* Linnaeus 1753**  
(BOXWOOD)

1. *B. sempervirens* Linnaeus. Boxwood. (†) 1511 (**P-Rec**)(Pub), 1525 (P)(Priv)

**2. *Pachysandra* Michaux 1803**  
(PACHYSANDRA)

1. *P. procumbens* Michaux. Mountain Pachysandra; Allegheny Spurge. [CON] S2S3/G4G5. 8 Apr 1971, B. Clifton (JSU118552)

**27. CABOMBACEAE Richard ex A. Richard 1822**  
(Water-Shield Family)

**1. *Brasenia* Schreber 1789**  
(WATER-SHIELD)

1. *B. schreberi* J.F. Gmelin. Water-Shield; Purple Wren Dock. First collected as an element of the Cleburne County flora within the Ridge and Valley province on 1 Jun 2018, D.D. Spaulding (15298). 450 (**P-Rec**)(Pub)

**28. CALYCANTHACEAE Lindley 1819**  
(Sweet-Shrub Family)

**1. *Calycanthus* Linnaeus 1759**  
(SWEET-SHRUB)

1. *C. floridus* Linnaeus. Sweetshrub; Hairy Sweetshrub; Strawberry Shrub; Carolina Allspice. 617 (RV)(Pub), 1706 (RV)(Pub), 1738 (P)(Priv)

**29. CAMPANULACEAE** de Jussieu 1789  
**(Bellflower Family)**

**1. *Campanula*** Linnaeus 1753  
**(BELLFLOWER)**

1. *C. divaricata* Michaux. Southern Harebell; Appalachian Bellflower. 1279 (P)(Priv), 1387 (P)(Pub)

**2. \**Campanulastrum*** Small 1903  
**(AMERICAN-BELLFLOWER)**

1. *C. americanum* (Linnaeus) Small. Tall Bellflower; American Bellflower. 821 (RV-Rec)(Pub), 1123 (P-Rec)(Priv)

**3. *Lobelia*** Linnaeus 1753  
**(LOBELIA)**

1. *L. cardinalis* Linnaeus var. *cardinalis*. Cardinal Flower. 1309 (P)(Priv)
2. *L. georgiana* McVaugh. Georgia Lobelia. 2179 (P)(Priv)
3. *L. inflata* Linnaeus. Indian Tobacco. 778 (RV)(Pub), 866 (P)(Pub), 1051 (P)(Priv)
4. *L. puberula* Michaux. Downy Lobelia. 621 (RV)(Pub), 1280 (P)(Priv), 1378 (P)(Pub), 1392 (P)(Pub), 1410 (P)(Priv)
5. *L. siphilitica* Linnaeus. Great Blue Lobelia. First collected as an element of the Cleburne County flora on 6 Oct 2014, D.D. Spaulding (14213).
6. *L. spicata* Lamarck. Pale Spiked Lobelia. 467 (P)(Pub), 620 (RV)(Pub), 773 (RV)(Pub), 856 (P)(Pub), 900 (P)(Pub)

**4. *Triodanis*** Rafinesque 1838  
**(VENUS' LOOKING-GLASS)**

1. *T. biflora* (Ruiz & Pavon) Greene. Small Venus' Looking Glass. Until this collection, *T. biflora* had been documented once (49 years ago) in Cleburne County: 28 Apr 1970, M. Borden (JSU115913). 122 (P)(Priv), 1750 (P)(Pub), 2038 (P)(Priv)
2. *T. perfoliata* (Linnaeus) Nieuwland. Claspig Leaf Venus' Looking Glass. 680 (P)(Priv), 1805 (P)(Pub)

**5. *Wahlenbergia*** Schrader ex Roth 1821

(WAHLENBERGIA)

1. *W. marginata* (Thunberg) A.L.P.P. de Candolle. Southern Rockbell; Tufty Bells. (†) 1238 (P)(Priv)

**30. CANNACEAE** de Jussieu 1789  
(Canna Family)

**1. *Canna*\*** Linnaeus 1753  
(CANNA)

1. *C. indica* Linnaeus. Indian Shot. (†) 1243 (P-Rec)(Pub)

**2. *Celtis*** Linnaeus 1753  
(HACKBERRY)

1. *C. occidentalis* Linnaeus. Northern Hackberry; Common Hackberry. 19 Jun 1995, S. Hruska (JSU128241)

**31. CAPRIFOLIACEAE** de Jussieu 1789  
(Honeysuckle Family)

**1. *Lonicera*** Linnaeus 1753  
(HONEYSUCKLE)

1. *L. flava* Sims. Yellow Honeysuckle. [CON] S3/G5. 7 May 1983, M. Bussey (JSU116157)
2. *L. japonica* Thunberg. Japanese Honeysuckle. (†) 353 (P)(Pub)
3. *L. sempervirens* Linnaeus. Coral Honeysuckle; Trumpet Honeysuckle. Until this collection, Coral Honeysuckle had not been documented within Cleburne County for 47 years. 1700 (RV)(Pub)

**2. *Valerianella*** P. Miller 1754  
(CORNSALAD)

1. *V. radiata* (Linnaeus) Dufresne. Beaked Cornsalad. 688 (P)(Priv), 1660 (P)(Pub)

**32. CARYOPHYLLACEAE** de Jussieu 1789

(Pink Family)

**1. *Arenaria*** Linnaeus 1753  
(SANDWORT)

1. *A. serpyllifolia* Linnaeus. Thyme Leaf Sandwort. (†) 723 (P)(Priv), 726 (P)(Priv), 1984 (P)(Pub)

**2. *Cerastium*** Linnaeus 1753  
(MOUSE-EAR CHICKWEED, MOUSE-EAR)

1. *C. brachypetalum* Desportes. Gray Mouse-Ear; Gray Chickweed. (†) 14 May 1976, D. Rutland (AUA\_ACC030284)
2. *C. glomeratum* Thuillier. Sticky Mouse-Ear; Sticky Chickweed. (†) 136 (P)(Pub), 659 (P)(Priv), 1507 (P)(Pub), 1868 (P)(Pub)
3. *C. fontanum* Baumgartner ssp. *vulgare* (Hartman) Greuter & Burdet. Common Mouse-Ear. (†) 16 May 1976 D. Rutland (AUA\_ACC029424)

**3. *Dianthus*** Linnaeus 1753  
(PINK, CARNATION)

1. *D. armeria* Linnaeus ssp. *armeria*. Deptford Pink. 192 (P-Rec)(Pub), 781 (RV)(Pub), 889 (P)(Pub)

**4. *Paronychia*** P. Miller 1754  
(WHITLOW-WORT, NAILWORT)

1. *P. fastigiata* (Rafinesque) Fernald var. *fastigiata*. Common Forked Whitlow-Wort. 25 Aug 1980, R. Whetstone (JSU129307)

**5. *Sagina*** Linnaeus 1753  
(PEARLWORT)

1. *S. decumbens* (Elliott) Torrey & A. Gray. Trailing Pearlwort; Eastern Pearlwort; Annual Pearlwort. 1523 (P-Rec)(Pub)

**6. *Silene*** Linnaeus 1753  
(CATCHFLY, CAMPION, FIRE-PINK, WILD-PINK)

1. *S. antirrhina* Linnaeus. Sleepy Catchfly; Garter Pink. One collection in Cleburne County: 2 Jun 2002, D.D. Spaulding (11336).
2. *S. stellata* (Linnaeus) W.T. Aiton. Starry Campion; Widow's Frill. 645 (RV)(Pub), 765 (RV)(Pub), 1061 (P)(Pub), 1828 (RV)(Pub)
3. *S. virginica* Linnaeus var. *virginica*. Fire Pink. 1581 (RV)(Pub), 1701 (RV)(Pub)

**7. *Stellaria* Linnaeus 1753**  
(CHICKWEED, STITCHWORT, STARWORT)

1. *S. media* (Linnaeus) Villars. Common Chickweed. (†) 1499 (P)(Pub), 1659 (P)(Pub), 1916 (**RV-Rec**)(Pub)
2. *S. pubera* Michaux. Star Chickweed; Giant Chickweed; Great Chickweed. 1591 (RV)(Pub), 2041 (P)(Priv)

**33. CELASTRACEAE R. Brown 1814**  
(Bittersweet Family)

**1. *Euonymus* Linnaeus 1753**  
(SPINDLE-TREE, EUONYMUS, STRAWBERRY-BUSH)

1. *E. alatus* (Thunberg) Siebold. Winged Burning Bush; Winged Euonymus. Newly documented for the State of Alabama. One of approximately three collections in Alabama. (†) 2008 (P)(Pub), 2050 (**P-Rec**)(Pub)
2. *E. americanus* Linnaeus. American Strawberry Bush; Hearts a Bustin' with Love. 647 (RV)(Pub), 1707 (RV)(Pub)
3. *E. fortunei* (Turczaninow) Handel-Mazzetti. Winter Creeper; Chinese Spindle Tree; Climbing Euonymus. (†) 380 (**P-Rec**)(Priv), 985 (P)(Pub), 1215 (P)(Pub), 1493 (P)(Pub)

**34. CERVANTESIACEAE Nickrent & Der 2010**  
(Buffalo Nut Family)

**1. *Pyrularia* Michaux 1803**  
(BUFFALO-NUT)

1. *P. pubera* Michaux. Buffalo-Nut; Oil Nut; Rabbit Wood. [CON] S2/G5. One collection in Cleburne County: 14 Apr 1997, D.D. Spaulding (9662).

**35. CHENOPODIACEAE Ventenat 1799**  
(Goosefoot Family)

**1. *Chenopodium* 1753**  
(GOOSEFOOT, LAMB'S QUARTERS, PIGWEED)

1. *C. album* Linnaeus. Lamb's Quarters; Pigweed. (†) 1 Nov 2015, D.D. Spaulding (14463)

**2. *Dysphania*** R. Brown 1810  
(WORMSEED, GOOSEFOOT)

1. *D. ambrosioides* (Linnaeus) Mosyakin & Clemants. Mexican Tea; American Wormseed. (†) 1337 (P)(Priv)

**36. CHIONOGRAPHIDACEAE** Takhtajan 1996  
(Fairy-Wand Family)

**1. *Chamaelirium*** Willdenow 1808  
(DEVIL'S-BIT, FAIRY-WAND)

1. *C. luteum* (Linnaeus) A. Gray. Fairy's Wand; Devil's Bit. 234 (P)(Pub) 589 (P)(Pub)

**37. CISTACEAE** de Jussieu 1789  
(Rockrose Family)

**1. *Lechea*** Linnaeus 1753  
(PINWEED)

1. *L. minor* Linnaeus. Thyme Leaf Pinweed. First collected as an element of the Cleburne County flora on 15 Sept 2002, D.D. Spaulding (11620). 879 (P)(Pub)
2. *L. racemulosa* Michaux. Appalachian Pinweed; Oblong Fruit Pinweed; Racemose Pinweed. 292 (**P-Rec**)(Pub), 756 (**RV-Rec**)(Pub), 887 (P)(Pub), 1077 (P)(Priv), 1107 (P)(Priv), 1262 (P)(Pub)

**38. COLCHICACEAE** A.P. de Candolle 1804  
(Meadow-Saffron Family)

**1. *Uvularia*** Linnaeus 1753  
(BELLWORT, MERRYBELLS)



1. *U. perfoliata* Linnaeus. Perfoliate Bellwort; Mealy Bellwort. 312 (P)(Pub), 428 (P)(Pub), 912 (RV)(Pub), 1734 (P)(Priv), 1831 (P)(Pub)
2. *U. sessilifolia* Linnaeus. Sessile Leaf Bellwort; Small Bellwort; Straw-Lily; Wild-Oats; Merrybells. 451 (P)(Pub), 846 (P)(Priv), 1687 (P)(Pub), 1893 (RV)(Pub)

### 39. COMMELINACEAE Mirbel 1804 (Spiderwort Family)

#### 1. *Commelina* Linnaeus 1753 (DAYFLOWER)

1. *C. communis* Linnaeus. Common Dayflower; Asiatic Dayflower. (†) 124, 644 (RV)(Pub), 1967 (P)(Pub)
2. *C. virginica* Linnaeus. Virginia Dayflower. 982 (P)(Pub), 1008 (P)(Pub), 1398 (P)(Pub)

#### 2. \**Murdannia* Royle 1839 (MURDANNIA, DEWFLOWER)

1. *M. keisak* (Hasskarl) Handel-Mazzetti. Marsh Dayflower; Wart Removing Herb; Mud-Annie. (†) First documented as an element of the Cleburne County flora on 5 Jun 2018, D.D. Spaulding (15371). 1294 (P)(Priv), 1364 (P)(Priv)

#### 3. *Tradescantia* Linnaeus 1753 (SPIDERWORT)

1. *T. ernestiana* E.S. Anderson & Woodson. Ernest's Spiderwort. [CON] S1/G3. 1678 (RV-Rec)(Pub), 1901 (RV)(Pub), 1902 (RV)(Pub), 1906 (RV)(Priv), 2043 (P-Rec)(Priv), 2046 (P)(Priv)
2. *T. ohioensis* Rafinesque. Smooth Spiderwort; Blue Jacket; Ohio Spiderwort. 624 (RV)(Pub), 820 (RV)(Pub), 1677 (RV)(Pub), 1899 (RV)(Pub)
3. *T. subaspera* Ker-Gawler. Zigzag Spiderwort; Wide-Leaved Spiderwort. 520 (P-Rec)(Priv)
4. *T. virginiana* Linnaeus. Virginia Spiderwort. Until these collections, Virginia Spiderwort had not been documented in 37 years within Cleburne County. 1598 (RV)(Pub), 2044 (P)(Priv), 2045 (P)(Priv)

### 40. CONVULVACEAE de Jussieu 1789 (Morning-Glory Family)

**1. *Convolvulus* Linnaeus 1753**  
(FIELD-BINDWEED)

1. *C. arvensis* Linnaeus. Field Bindweed; Creeping Jenny; Possession Vine; Cornbind. (†) 963 (**P-Rec**)(Pub)
2. *C. catesbyanus* (Pursh) Elliott. Catesby's Bindweed; Catesby's False Bindweed. 313 (P)(Pub), 576 (P)(Priv), 2056
3. *C. fraterniflorus* (Mackenzie & Bush) Mackenzie & Bush. Twin-Flowered Bindweed. 330 (**P-Rec**), 956 (P)(Pub)

**2. *Cuscuta* Linnaeus 1753**  
(DODDER)

1. *C. campestris* Yuncker. Field Dodder; Prairie Dodder. 2 Jun 2017, D.D. Spaulding with M.T. Spaulding (AMAL00005899)
2. *C. compacta* Antoine Laurent de Jussieu ex Choisy. Compact Dodder; Love-Vine. Previously only collected once in Cleburne County: Piedmont region. 2 Jun 2002 D.D. Spaulding 11340 (AMAL00005899). 2152 (**RV-Rec**)(Pub)
3. *C. gronovii* Willdenow ex Roemer & J.A. Schultes. Swamp Dodder; Common Dodder; Scaldweed. 1137 (**P-Rec**)(Pub), 2105, 2169 (P)(Priv)

**3. \**Dichondra* J.R. Forster & G. Forster 1775**  
(PONYFOOT, DICHONDRA)

1. *D. carolinensis* Michaux. Carolina Ponyfoot. 361 (**P-Rec**)(Priv), 1875 (P)(Pub)

**4. *Ipomoea* Linnaeus 1753**  
(MORNING-GLORY)

1. *I. cordatotriloba* Dennstedt var. *cordatotriloba*. Tie-Vine; Pink Morning-Glory; Coastal Morning Glory. Until this collection, Tie-Vine had only been documented once (41 years ago) within Cleburne County. 1979 (P)(Pub)
2. *I. hederacea* Jacquin. Ivy Leaf Morning Glory. (†) 2099
3. *I. lacunosa* Linnaeus. Whitestar; Small White Morning-Glory. 1413 (P)(Pub)
4. *I. leucantha* Jacquin. Whitestar Morning Glory. First collected as an element of the Cleburne County flora on 28 Sept 2014, D.D. Spaulding (14183) with M.T. Spaulding on private property within the Piedmont province. 2100
5. *I. pandurata* (Linnaeus) G.F.W. Meyer. Manroot; Man-of-the-Earth; Wild Potato Vine. 343 (P)(Pub), 350 (P)(Pub), 641 (RV)(Pub)
6. *I. purpurea* (Linnaeus) Roth. Common Morning Glory; Purple Morning-Glory. (†) 959 (P)(Pub), 1225 (P)(Pub)
7. *I. quamoclit* Linnaeus. Cypress Vine; Star Glory; Hummingbird Vine. (†) 2087 (**P-Rec**)(Pub)

**5. *Jacquemontia* Choisy 1834**  
(JACQUEMONTIA)

1. *J. tamnifolia* (Linnaeus) Grisebach. Common Jacquemontia. (†) 28 Sept 1982, M. Bussey (JSU135088)

**41. CORNACEAE** Berchthold ex J. Presl 1825  
(Dogwood Family)

**1. *Benthamidia*** Spach 1839  
(BIG BRACTED DOGWOOD)

1. *B. florida* (Linnaeus) Spach. Flowering Dogwood. 9 Sept 1979, R. Crenshaw (JSU137124)

**2. *Swida*** Opiz 1838

1. *S. amomum* (P. Miller) Small. Silky Dogwood; Silky Cornel. 336, 474 (P)(Pub), 1235 (P)(Priv), 1800 (P)(Priv)
2. *S. foemina* (P. Miller) Rydberg. Southern Swamp Dogwood. 100 (P-Rec)(Priv), 282 (P), 715 (P)(Pub), 735 (P)(Priv)

**42. CUCURBITACEAE** de Jussieu 1789  
(Gourd Family)

**1. *Cucurbita*\*** Linnaeus 1753  
(SQUASH, ZUCCHINI, PUMPKIN, GOURD, VEGETABLE MARROW)

1. *C. pepo* Linnaeus. Pumpkin; Zucchini; Ornamental Gourd; Vegetable Marrow. (†) 1333 (P-Rec)(Priv), 1334 (P)(Priv)

**2. *Melothria*** Linnaeus 1753  
(MELONETTE)

1. *M. pendula* Linnaeus. Melonette; Creeping Cucumber. 562 (P)(Pub), 1314 (P)(Priv)

**43. CRASSULACEAE** J. Saint-Hilaire 1805  
(Stonecrop Family)

**1. *Hylotelephium* H. Ohba 1977**  
(LIVE-FOR-EVER)

1. *H. erythrostickum* (Miguel) H. Ohba. Garden Stonecrop; Live Forever. (†) 15 Oct 1993, F. Hutchinson (JSU153205)

**2. *Sedum* Linnaeus 1753**  
(STONECROP, ORPINE, SEDUM)

1. *S. ternatum* Michaux. Mountain Stonecrop; Whorled Stonecrop. 8 Apr 1971, A. Laros (JSU120718)

**44. CYPERACEAE de Jussieu 1789**  
(Sedge Family)

**1. *Bulbostylis* Kunth 1837**  
(HAIRSEGE)

1. *B. capillaris* (Linnaeus) Kunth ex C.B. Clarke ssp. *capillaris*. Common Hairsedge. 28 Sept 1982, M. Bussey (JSU109967)

**2. *Carex* Linnaeus 1753**  
(SEGE)

**Section Acrocystis**

1. *C. albicans* Willdenow ex Sprengel var. *albicans*. White Tinged Sedge; Architectural Sedge. 21 Mar 1994, D.D. Spaulding (5143)
2. *C. albicans* Willdenow ex Sprengel var. *australis* (L.H. Bailey) J. Rettig. Southern White Tinged Sedge; Bellow's Beak Sedge. First collected as an element of the Cleburne County flora on 24 May 2015, D.D. Spaulding (14266) with M.T. Spaulding and three of our children: Kailey and Kaitlyn Hendrix and Savannah Spaulding.
3. *C. austrolicorum* (J. Rettig) D.B. Poindexter & Naczi. Appalachian Woodland Sedge. 8 May 1989, S. Orzell (MICH1359003)
4. *C. nigromarginata* Schweinitz. Black Edged Sedge. 21 Mar 1994, D.D. Spaulding (JSU111071)
5. *C. pensylvanica* Lamarck. Pennsylvania Sedge. 1771 (P)(Priv)
6. *C. umbellata* Schkuhr ex Willdenow. Umbel-Like Sedge; Parasol Sedge. 17 Apr 1999, P. Hyatt (AUA000020212)

**Section Careyanae**

1. *C. abscondita* Mackenzie. Thicket Sedge. 1962 (RV-Rec)(Pub)

2. *C. austrocaroliniana* L.H. Bailey. South Carolina Sedge. [CON] S2/G4. 16 Apr 1980, R. Whetstone (JSU110497)
3. *C. digitalis* Willdenow var. *digitalis*. Slender Woodland Sedge. 1933 (P)(Priv)
4. *C. laxiculmis* Schweinitz. Spreading Sedge. 1953 (P)(Pub)

#### Section Deweyanae\*

1. *C. bromoides* Willdenow *ssp. bromoides*. Common Brome Sedge. 2063, 2178

#### Section Glaucescentes

1. *C. glaucescens* Elliott. Blue Sedge; Southern Waxy Sedge. Until the current collection, Blue Sedge had not been documented in Cleburne County in forty-one years. 2094

#### Section Griseae

1. *C. amphibola* Steudel. Eastern Narrowleaf Sedge. First collected as part of the Cleburne County flora on 6 May 2018, D.D. Spaulding (UWAL0045939) in the Ridge and Valley province. 1806 (P-Rec)(Priv), 1944 (P)(Priv), 1946 (P)(Priv)
2. *C. flaccosperma* Dewey. Meadow Sedge; Thin Fruit Sedge. 1772 (P-Rec)(Priv), 1773 (P)(Priv), 1922 (P)(Priv), 1935 (P)(Priv), 2064

#### Section Hymenochlaenae

1. *C. cherokeensis* Schweinitz. Cherokee Sedge; Wolf Tail Sedge. First collected as part of the Cleburne County flora on 21 May 2017, D.D. Spaulding (UWAL0037828). 717 (P)(Priv), 2183 (P)(Priv)
2. *C. debilis* Michaux. White-Edged Sedge; Weak Sedge. 1936 (P)(Priv), 1938 (P)(Priv), 2071 (P)(Priv)
3. *C. prasina* Wahlenberg. Drooping Sedge. 2186 (P)(Priv)

#### Section Laxiflorae

1. *C. blanda* Dewey. Eastern Woodland Sedge; Charming Sedge. 1705 (RV-Rec)(Pub), 1932 (P-Rec)(Priv), 1943 (P)(Priv), 2178 (P)(Priv)
2. *C. kraliana* Naczi & Bryson. Kral's Sedge. 7 May 1989, S. Orzell (MICH1189864)
3. *C. laxiflora* Lamarck. Loose Flowered Sedge. 23 Apr 1990, R. Kral (UWAL0034657)
4. *C. styloflexa* Buckley. Bent Sedge. 2196 (P-Rec)(Priv)

#### Section Leptocephale

1. *C. leptalea* Wahlenberg var. *harperi* (Fernald) Weatherby & Griscom. Bristle Stalk Sedge; Harper's Sedge. 29 May 2005, D.D. Spaulding (UNA00065650)

#### Section Lupulinae

1. *C. intumescens* Rudge var. *intumescens*. Bladder Sedge; Pregnant Sedge. 492, 1025 (P)(Pub), 2165 (P)(Priv)
2. *C. louisianica* L.H. Bailey. Louisiana Sedge. 21 Apr 1993, S. Oberholster (AUA000025691)

3. *C. lupulina* Muhlenberg ex Willdenow. Hop Sedge. 476 (**P-Rec**)(Pub), 1949 (P)(Priv)

#### Section Multiflorae

1. *C. annectens* (E.P. Bicknell) E.P. Bicknell. Yellow Fruited Sedge; Yellow Fox Sedge. 14 Apr 1997, D.D. Spaulding (JSU110459)
2. *C. vulpinoidea* Michaux. Fox Sedge. 223 (**P-Rec**)(Priv), 1939 (P)(Priv), 2073 (P)(Priv)

#### Section Ouales

1. *C. albolutescens* Schweinitz. Greenish White Sedge.
2. *C. festucacea* Schkuhr ex Willdenow. Fescue Sedge. 1941 (**P-Rec**)(Priv)
3. *C. longii* Mackenzie. Long's Sedge. 1065 (P)(Priv), 1921 (P)(Priv), 1926 (P)(Priv)
4. *C. tribuloides* Wahlenberg. Blunt Broom Sedge. Previously considered a variety, either: *Carex tribuloides* Wahlenberg var. *sangamonensis* Clokey or *Carex tribuloides* Wahlenberg var. *tribuloides* (Naczi *et al.* 2020). Previously only documented once in Cleburne County 12 July 1993, J.M. Ballard (JSU111557) in the Piedmont region. 702 (P)(Priv), 1924 (P)(Priv), 1927 (P)(Priv), 1930 (P)(Priv), 1942 (P)(Priv), 1951 (P)(Pub), 1963 (**RV-Rec**)(Pub)

#### Section Phacocystis

1. *C. crinita* Lamarck var. *brevicrinis* Fernald. Short Fringed Sedge. Bruederle's genetic study supports the recognition of four varieties within the *crinita* complex and two of those varieties are found in Cleburne County (Bruederle 1986). 1015 (P)(Pub)
2. *C. crinita* Lamarck var. *crinita*. Long Fringed Sedge. 1952 (P)(Pub), 2065 (P)(Pub)
3. *C. torta* F. Boott ex Tuckerman. Streambed Sedge; Twisted Sedge. Added to the flora of Cleburne County on 14 Apr 1997, D.D. Spaulding (JSU111551). 1690 (P)(Pub)

#### Section Phaestoglochin

1. *C. cephalophora* Muhlenberg ex Willdenow. Oval-Headed Sedge; Oval Leaved Sedge. 1950 (**P-Rec**)(Priv), 2184 (P)(Priv)
2. *C. leavenworthii* Dewey. Leavenworth's Sedge. 139 (P)(Pub)
3. *C. muehlenbergii* Schkuhr ex Willdenow var. **enervis** W. Boott. Muehulenberg's Sedge. 2190 (P)(Priv)
4. *C. radiata* (Wahlenberg) Small. Eastern Star Sedge. 1934 (**P-Rec**)(Priv)
5. *C. rosea* Schkuhr ex Willdenow. Rosy Sedge. 2166 (P)(Priv), 2189 (P)(Priv)
6. *C. texensis* (Torrey ex L.H. Bailey) L.H. Bailey. Texas Sedge. First documented as part of the flora of Cleburne County on 12 Apr 2016, by D.D. Spaulding (UWAL0037208) and my daughters (Kailey and Kaitlyn Hendrix). 1661 (P)(Pub)

#### Section Phyllostachyae\*

1. *C. basiantha* Steudel. Southern Willdenow's Sedge; Widow Sedge. 2198 (**P-Rec**)(Priv), 2199 (P)(Priv)
2. *Carex superata* Naczi, Reznicek & Ford. Limestone Forest Sedge. (**P-Rec**)(Priv)

#### Section Pictae

1. *C. picta* Steudel. Painted Sedge. 1543 (RV)(Pub)

#### Section Porocystis (Virescentes)

1. *C. caroliniana* Schweinitz. Carolina Sedge. First documented as part of the flora of Cleburne County on 23 Apr 2018 by D.D. Spaulding (15240) in the Piedmont province, on private land owned by my family. 1925 (P)(Priv)
2. *C. complanata* Torrey & Hooker. Hirsute Sedge. 2072 (P)(Priv)
3. *C. virescens* Muhlenberg ex Schkuhr. Downy Green Sedge; Ribbed Sedge. Collected twice as part of an element of the Cleburne County flora. 13 Jul 1966, R. Clark (NCU00054002); 10 Jun 2013, T.W. Barger (ALNHS-SP#1211)

#### Section Squarrosae

1. *C. aureolensis* Steudel. Southern Frank's Sedge; Broad-Scaled Sedge. First documented as an element of the flora of Cleburne County on 21 May 2017, D.D. Spaulding (UWAL0037824). 1360 (P)(Priv)
2. *C. frankii* Kunth. Frank's Sedge. 993 (**P-Rec**)(Priv), 1227 (P)(Priv)

#### Section Stellulatae

1. *C. howei* Mackenzie. Howe's Sedge; Prickly Bog Sedge. 4 May 1995, S. Hruska (JSU110887)

#### Section Vesicariae

1. *C. baileyi* Britton. Bailey's Sedge. 12 May 1980, R. Whetstone. (JSU111341)
2. *C. lurida* Wahlenberg. Sallow Sedge. 222 (P)(Priv), 1803 (P)(Priv), 2185 (P)(Priv)

#### Section Vulpinae

1. *C. laevivaginata* (Kükenthal) Mackenzie. Smooth-Sheathed Sedge. First documented as part of the flora of Cleburne County on 12 May 2018 by D.D. Spaulding (UWAL0045994) in the Piedmont province, on private land owned by my family. 2069 (P)(Priv)

### 3. *Cyperus* Linnaeus 1753 (UMBRELLA SEDGE)

1. *C. brevifolius* (Rottbøll) Endlicher ex Hasskarl. Perennial Greenhead Sedge. 1819 (**RV-Rec**)(Priv), 2098
2. *C. echinatus* (Linnaeus) A.W. Wood. Globe Flatsedge; Round-Headed Flatsedge. 951 (**P-Rec**)(Pub), 1061 (P)(Priv)
3. *C. erythrorhizos* Muhlenberg. Red-Rooted Flatsedge. 1195 (**P-Rec**)(Priv)
4. *C. flavescens* Linnaeus. Yellow Flatsedge. 1200 (**P-Rec**)(Priv), 1256 (P)(Pub)

5. *C. hortensis* (Salzmann ex Steudel) Dorr. Annual Greenhead Sedge. 1300 (**P-Rec**)(Priv), 1345 (P)(Priv), 2082
6. *C. iria* Linnaeus. Rice Field Flatsedge. Previously only documented once in Cleburne County 45 years ago. 11 September 1975, Rutland 1571 (AUA000021073) in the Piedmont region. 1005 (P)(Pub), 1075 (P)(Priv), 1156 (P)(Priv)
7. *C. lancastriensis* Porter ex A. Gray. Many Flowered Flatsedge; Porter's Flatsedge. 1990 (P)(Priv), 2095
8. *C. pseudovegetus* Steudel. Green Flatsedge; Marsh Flatsedge. 1201 (P)(Priv)
9. *C. polystachyos* Rottbøll. Coast Flatsedge; Many-Spike Flatsedge. 2134 (**P-Rec**)(Priv)
10. *C. retrorsus* Chapman. Pineland Flatsedge; Retrorse or Cylindric Flatsedge. Previously documented twice (45 years ago) in the Piedmont region on 11 September 1975 in Cleburne County: Rutland 1560 (AUA000021128); Rutland 1646 (AUA000021129). 1763 (P)(Priv)
11. *C. rotundus* Linnaeus. Purple Nutsedge; Nutsedge; Cocoglass. 1197 (**P-Rec**)(Priv)
12. *C. sesquiflorus* (Torrey) Mattfeld & Kükenthal. Whitehead Sedge. Documented in approximately three adjacent Alabama counties. 657 (P)(Priv), 1063 (P)(Priv), 2132 (P)(Priv)
13. *C. strigosus* Linnaeus. Straw Flatsedge; False Nutsedge. 953 (P)(Pub), 977 (P)(Pub), 1301 (P)(Priv), 1312 (P)(Priv), 1313 (P)(Priv), 1340 (P)(Priv)

**4. *Eleocharis*** R. Brown 1810  
(SPIKERUSH, SPIKESEDGE)

1. *E. acicularis* (Linnaeus) Roemer & J.A. Schultes. Needle Spikerush; Lesser Spikerush. 186 (**P-Rec**)(Priv)
2. *E. obtusa* (Willdenow) J.A. Schultes. Blunt Spikerush. 182 (P)(Priv), 194 (P)(Pub), 284 (P)(Pub), 288 (P)(Pub), 342 (P)(Pub), 1820 (RV)(Priv)
3. *E. quadrangulata* (Michaux) Roemer & J.A. Schultes. Squarestem Spikerush. 448 (**P-Rec**)(Pub)
4. *E. tuberculosa* (Michaux) Roemer & J.A. Schultes. Large Tuberculed Spikerush. First documented as part of the flora of Cleburne County on 30 Aug 2014 by D.D. Spaulding (UWAL0031035) with M.T. Spaulding. 651 (P)(Priv), 1066 (P)(Priv)
5. *E. verrucosa* (Svenson) L.J. Harms. Verrucose Spikerush. This collection is also the first known to the Piedmont province in Alabama. 727 (**P-Rec**)(Priv)

**5. *Fimbristylis*** Vahl 1806  
(FIMBRY)

1. *F. annua* (Allioni) Roemer & J.A. Schultes. Annual Fimbry. Prior to the current collection, Annual Fimbry was last documented as part of the flora of Cleburne County on 31 Aug 1969, R. Kral (GA118496). 1347 (P)(Priv)
2. *F. autumnalis* (Linnaeus) Roemer & J.A. Schultes. Slender Fimbry. First documented as part of the flora of Cleburne County on 1 Aug 2015, D.D.



Spaulding (UWAL0034063) in the Piedmont province at our previous home.  
1064 (P)(Priv), 1305 (P)(Priv)

3. *F. tomentosa* Vahl. Woolly Fimbry. 2007 (**P-Rec**)(Priv)

**6. *Fuirena*** Rottbøll 1773  
(UMBRELLA SEDGE)

1. *F. squarrosa* Michaux. Hairy Umbrella Sedge. 8 Aug 2000, D.D. Spaulding (JSU112672)

**7. *Isolepis*** R. Brown 1810  
(CLUB-RUSH, CLUBSEEDGE)

1. *I. carinata* Hooker & Arnott ex Torrey. Keeled Bulrush. Previously only documented once in Cleburne County on 8 April 1994, Whetstone (JSU112684) in the Piedmont region.

**8. *Rhynchospora*** Vahl 1805  
(BEAKSEEDGE, BEAKRUSH)

1. *R. caduca* Elliott. Angle Stem Beakrush; Angle Stem Beaksedge; Falling Beakrush. 1199 (**P-Rec**)(Priv)
2. *R. compressa* Carey ex Chapman. Flat Fruit Beakrush; Flat Fruit Beaksedge. 147 (**P-Rec**)(Pub)
3. *R. globularis* (Chapman) Small. Globe Beaksedge; Globe Beakrush. 1986 (P-Rec)(Pub)
4. *R. glomerata* (Linnaeus) Vahl. Clustered Beaksedge; Clustered Beakrush. 1067 (P)(Priv)
5. *R. rariflora* (Michaux) Elliott. Few Flower Beaksedge. 204 (**P-Rec**)(Priv)

**9. *Schoenoplectiella*** K. Lye 2003  
(LITTLE BULRUSH)

1. *S. purshiana* (Fernald) K. Lye. Bluntscale Bulrush. [**CON**] **S1/G4G5**. 28 Sept 1982, M. Bussey (JSU113126)

**10. *Scirpus*** Linnaeus 1753  
(BULRUSH, BULSEEDGE)

1. *S. atrovirens* Willdenow. Black Bulrush; Dark Green Bulrush; Dusky Bulrush. 196 (P-Rec)(Pub), 400 (P)(Pub), 976 (P)(Pub), 1205 (P)(Pub), 2068 (P)(Priv)
2. *S. cyperinus* (Linnaeus) Kunth. Woolly Bulrush; Wool Grass; Marsh Bulrush. 1177 (P)(Priv), 1226 (P)(Pub)
3. *S. pendulus* Muhlenberg. Rufous Bulrush; Nodding Bulrush. 26 Aug 1980, R. Whetstone (JSU113306)

4. *S. polyphyllus* Vahl. Leafy Bulrush. First collected as an element of the flora of Cleburne County on 1 Sept 2002, D.D. Spaulding (11531). 295 (P)(Pub)

**11. *Scleria*** P.J. Bergius 1765  
(NUTRUSH, NUTSEGE)

1. *S. oligantha* Michaux. Few Flowered Nutrush; Little Head Nutrush. 1037 (**P-Rec**)(Priv), 1782 (P)(Pub), 1928 (P)(Priv), 1961 (**RV-Rec**)(Pub)
2. *S. triglomerata* Michaux. Tall Nutrush. 11 Aug 2002, D.D. Spaulding (UNA00059273)

**45. DIAPENSIACEAE** Lindley 1836  
(**Diapensia Family**)

**1. *Galax*** Sims 1804  
(GALAX)

1. *G. urceolata* (Poiret) Brummitt. Galax; Wandflower; Beetleweed. 185(P)(Priv) 242(P)(Pub) 792(RV)(Pub) 874(P)(Pub) 1748(P)(Pub)

**46. DIOSCOREACEAE** R. Brown 1810  
(**Yam Family**)

**1. *Dioscorea*** Linnaeus 1753  
(YAM)

1. *D. polystachya* Turczaninow. Cinnamon Vine; Chinese Yam. 159 (**P-Rec**)(Pub), 162 (P)(Pub), 923 (**RV-Rec**)(Pub)
2. *D. villosa* Linnaeus. Wild Yam. 571 (P)(Priv) 614 (RV)(Pub) 711 (P)(Priv), 1756 (P)(Priv)

**47. EBENACEAE** Gurke 1891  
(**Ebony Family**)

**1. *Diospyros*** Linnaeus 1753  
(PERSIMMON)

1. *D. virginiana* Linnaeus. American Persimmon; Possumwood. First documented as an element of the Cleburne County flora by a dear friend and mentor, Sarah Ballard (JSU121047) on 4 Jul 1969.

**48. ELAEAGNACEAE\*\* de Jussieu 1789  
(Oleaster Family)**

**1. *Elaeagnus*\* Linnaeus 1753  
(SILVERBERRY, OLEASTER, RUSSIAN-OLIVE)**

1. *E. pungens* Thunberg. Thorny Olive; Thorny Silver Berry. 403 (**P-Rec**)(Pub), 553 (P)(Priv), 990 (P)(Pub)

**49. ERICACEAE de Jussieu 1789  
(Heath Family)**

**1. *Chimaphila* Pursh 1814  
(PIPSISSEWA)**

1. *C. maculata* (Linnaeus) Pursh. Striped or Spotted Wintergreen; Pipsissewa. 581 (P)(Priv)

**2. *Epigaea* Linnaeus 1753  
(TRAILING ARBUTUS)**

1. *E. repens* Linnaeus. Trailing Arbutus; Mayflower; Ground Laurel. 8 Mar 1984, C. Nixon (JSU121380)

**3. *Eubotrys* Nuttall 1842  
(DECIDUOUS FETTERBUSH)**

1. *E. racemosus* (Linnaeus) Nuttall. Swamp Doghobble; Sweetbells; Coastal Fetterbush. 10 Nov 1968, K. Landers (JSU121398)

**3. *Gaylussacia* Kunth 1819  
(HUCKLEBERRY)**

1. *G. dumosa* (Andrews) Torrey & A. Gray. Southern Dwarf Huckleberry. 1 Sept 2002, D.D. Spaulding (UNA00059469)

4. *Hypopitys* Crantz 1766  
(PINESAP)

1. *H. monotropa* Crantz. [CON] S2/G5. 20 Jun 1974, T. Atkinson (JSU121414)

5. *Kalmia* Linnaeus 1753  
(WICKY, SHEEPKILL, MOUNTAIN LAUREL, IVY, SAND-MYRTLE)

1. *K. latifolia* Linnaeus. Mountain Laurel; Calico Bush. 851 (P)(Priv) 1681 (P)(Pub)

6. *Leucothoe* D. Don 1834  
(FETTERBUSH, LEUCOTHOE)

1. *L. axillaris* (Lamarck) D. Don. Coastal Doghobble. 25 Apr 1955, G. Hanson (JSU121677)

7. *Lyonia* Nuttall 1818  
(STAGGERBUSH, MALEBERRY, FETTERBUSH)

1. *L. ligustrina* (Linnaeus) A.P. de Candolle var. *foliosiflora* (Michaux) Fernald. Southern Maleberry; He Huckleberry. 15 Sept 1983, C. Nixon (JSU121685)

8. *Oxydendrum* A.P. de Candolle 1839  
(SOURWOOD)

1. *O. arboreum* (Linnaeus) A.P. de Candolle. Sourwood; Sorrel Tree. 855 (RV)(Pub) 1117 (P)(Priv)

9. *Rhododendron* Linnaeus 1753  
(RHODODENDRON, AZALEA)

6. *R. alabamense* Rehder. Alabama Azalea. 18 Jun 1983, M. Bussey (JSU121960)
7. *R. arborescens* (Pursh) Torrey. Sweet Azalea; Smooth Azalea. 615 (RV-Rec)(Pub)
8. *R. calendulaceum* (Michaux) Torrey. Flame Azalea. 2 Jun 1983, M. Bussey (JSU122058)
9. *R. canescens* (Michaux) Sweet. Piedmont Azalea; Wild Azalea; Mountain Azalea. 1278 (P)(Priv) 1616 (P)(Priv) 1876 (P)(Pub)
10. *R. catawbiense* Michaux. Catawba Rhododendron; Catawba Rosebay; Mountain Rosebay. 24 Aug 1997, M. Ballard (JSU122173)

11. *R. cumberlandense* E.L. Braun. Cumberland Azalea; Baker's Flame Azalea. [CON] S2/G4. Documented in three counties in Alabama and three collections within Cleburne County. 24 May 2015, D.D. Spaulding (14267) with M.T. Spaulding.
12. *R. minus* Michaux. Dwarf Rhododendron; Appalachian Rhododendron; Dotted Rhododendron. [CON] S2/G4. 28 May 1974, R. Kral (UNA00021964)
13. *R. prinophyllum* (Small) Millais. Election Pink; Early Azalea; Roseshell Azalea.
14. *R. viscosum* (Linnaeus) Torrey *var. viscosum*. Swamp Azalea; Clammy Azalea. 1080 (P)(Priv)

#### 10. *Vaccinium* Linnaeus 1753

##### (BLUEBERRY)

1. *V. arboreum* Marshall. Sparkleberry; Farkleberry. 1799 (P)(Priv)
2. *V. corymbosum* Linnaeus. Smooth Highbush Blueberry. 29 May 2005, D.D. Spaulding (UNA00065649)
3. *V. elliotii* Chapman. Elliott's Blueberry. 1792 (P)(Priv), 1793 (P)(Priv)
4. *V. fuscatum* Aiton. Black Blueberry; Hairy Blueberry; Black Highbush Blueberry. 23 Jul 1980, R. Whetstone (JSU122678)
5. *V. pallidum* Aiton. Hillside Blueberry; Dryland Blueberry. 1698 (P)(Pub)
6. *V. stamineum* Linnaeus *var. sericeum* (C. Mohr) D.B. Ward. Southern Deerberry. 2195 (P)(Priv)
7. *V. stamineum* Linnaeus *var. stamineum*. Common Deerberry. 344 (P)(Pub)

#### 50. ERIOCAULACEAE Martinov 1820

##### (Pipewort Family)

#### 1. *Lachnocaulon* Kunth 1841

##### (BOGBUTTONS)

1. *L. anceps* (Walter) Morong. Common Bogbuttons. 19 Jun 1995, S. Hruska (JSU114233)

#### 51. EUPHORBIACEAE de Jussieu 1789

##### (Spurge Family)

#### 1. *Acalypha* Linnaeus 1753

##### (COPPERLEAF, THREE-SEEDED MERCURY)

1. *A. gracilens* A. Gray. Slender Three Seed Mercury; Short Stalk Copperleaf. 1121 (P)(Pub), 1369 (P)(Priv)

2. *A. ostryifolia* Riddell ex J.M. Coulter. Hornbeam Copperleaf; Rough Pod Copperleaf; Hop Hornbeam Copperleaf. 955 (**P-Rec**)(Pub)
3. *A. rhomboidea* Rafinesque. Common Three Seed Mercury; Rhombic Copperleaf. 1371 (P)(Priv)
4. *A. virginica* Linnaeus. Virginia Three Seed Mercury; Virginia Copperleaf. 11 Sept 1975, D. Rutland (AUA-ACC028518)

**2. *Croton* Linnaeus 1753**  
(CROTON, DOVEWEED, RUSHFOIL)

1. *C. glandulosus* Linnaeus var. *septentrionalis* Müller of Aargau. Doveweed; Sand Croton; Tropic Croton; Tooth-Leaved Croton. 947 1120 1220

**3. *Euphorbia* Linnaeus 1753**  
(SPURGE)

1. *E. commutata* Engelm ex A. Gray. Tinted Woodland Spurge; Wood Spurge. Only collected in one location within Cleburne County in 1964. Wood Spurge has not been documented within Cleburne County in fifty-seven years. 30 April 1964, J. Creel (AUA-ACC060745), 1 May 1964, J. Creel (AUA-ACC003308)
2. *E. corollata* Linnaeus. Eastern Flowering Spurge. 1086 (P)(Priv)
3. *E. cyparissias* Linnaeus. Cypress Spurge; Graveyard Spurge. 333 (**P-Rec**)(Pub) 1886 (**RV-Rec**)(Pub)
4. *E. dentata* Michaux. Toothed Spurge; Toothleaf Poinsettia; Painted Leaf; Wild Poinsettia. 563 (**P-Rec**)(Pub), 991 (P)(Priv), 1218 (P)(Pub)
5. *E. humistrata* Engelm. Spreading Sandmat; Spreading Spurge. 10 Oct 1996, F. Hutchinson (JSU146166)
6. *E. hypericifolia* Linnaeus. St. John's Wort-Leaved Spurge. 1346 (**P-Rec**)(Priv), 1372 (P)(Priv)
7. *E. hyssopifolia* Linnaeus. Hyssop Leaf Sandmat; Hyssop Spurge. 1995 (P)(Priv), 2097
8. *E. maculata* Linnaeus. Milk Purslane; Spotted Spurge; Spotted Sandmat. 1072 (P)(Priv), 1999 (P)(Priv)
9. *E. nutans* Lagasca y Segura. Eyebane; Upright Spotted Spurge; Nodding Spurge. 110 (P)(Priv), 994 (P)(Priv)
10. *E. ophthalmica* Persoon. Florida Hammock Sandmat. 1996 (**P-Rec**)(Priv)
11. *E. pubentissima* Michaux. Southeastern Flowering Spurge; False Flowering Spurge. 363 (P)(Priv), 384 (P)(Priv), 387 (P)(Pub), 434 (P)(Pub), 585 (P)(Priv), 622 (**RV-Rec**)(Pub), 779 (RV)(Pub), 1719 (RV)(Pub)

**52. FABACEAE Lindley 1836**  
(Legume Family)

**1. *Albizia* Durazzini 1772**  
(SILKTREE)

1. *A. julibrissin* Durazzini. Mimosa; Silktree. 360 (P)(Priv)

**2. *Amorpha* Linnaeus 1753**  
(INDIGO BUSH, LEAD PLANT)

1. *A. fruticosa* Linnaeus. Tall Indigo Bush; Bastard Indigo; False Indigo. 26 Apr 1969, K. Landers (JSU126010)
2. *A. glabra* Desfontaines ex Poiret. Appalachian Indigo Bush; Mountain Indigo. 15 Aug 2015, D.D. Spaulding (14379) with M.T. Spaulding.
3. *A. nitens* Boynton. Dark Indigo Bush; Shining Indigo Bush. [CON] S1/G3. 22 May 1954, M. Marsh (UWAL0049435)

**3. *Amphicarpaea* Elliott ex Nuttall 1818**  
(HOG-PEANUT)

1. *A. bracteata* (Linnaeus) Fernald var. *bracteata*. Hog Peanut. 826 (RV-Rec)(Pub), 1285(P)(Priv)

**4. *Apios* Fabricius 1759**  
(GROUNDNUT)

1. *A. americana* Medikus. American Groundnut; Common Groundnut. 768 (RV-Rec)(Pub), 903 (P)(Pub)

**5. *Baptisia* Ventenat 1808**  
(WILD INDIGO)

1. *B. bracteata* Elliott. Creamy Wild Indigo; Long Bract Wild Indigo. 304 (P)(Pub), 452 (P)(Pub), 1746 (P)(Pub), 2168 (P)(Pub)

**6. *Centrosema* (A.P. de Candolle) Bentham 1837**  
(SPURRED BUTTERFLY PEA)

1. *C. virginianum* (Linnaeus) Bentham. Spurred Butterfly Pea. 30 Jun 1994, S. Hruska (JSU128556)

**7. *Cercis* Linnaeus 1753**  
(REDBUD)

1. *C. canadensis* Linnaeus. Eastern Redbud; Judas Tree. 1608 (RV)(Pub), 1755 (P)(Priv)

**8. *Chamaecrista* Moench 1794**

(PARTRIDGE-PEA)

1. *C. fasciculata* (Michaux) Greene var. *fasciculata*. Common Partridge Pea. 1272 (P)(Pub)
2. *C. nictitans* (Linnaeus) Moench var. *nictitans*. Common Sensitive Plant. 1 Sept 2002, D.D. Spaulding (UNA00059467)

**9. *Clitoria*** Linnaeus 1753  
(BUTTERFLY PEA, PIGEONWINGS)

1. *C. mariana* Linnaeus var. *mariana*. Butterfly Pea; She-Pea. 181 (P)(Priv), 345 (P)(Pub), 840 (P)(Priv)

**10. *Crotalaria*** Linnaeus 1753  
(RATTLEBOX)

1. *C. pallida* Aiton var. *obovata* (G. Don) Pohill. Smooth Rattlebox. 17 May 1985, R. Whetstone (JSU130476)
2. *C. purshii* A. P. de Candolle. Coastal Plains Rattlebox; Pursh's Rattlebox. 5 Jul 1957, W. Adams (AUA000011193)
3. *C. sagittalis* Linnaeus. Common Rattlebox; Arrow Head Rattlebox. 1082 (**P-Rec**)(Priv)

**11. *Desmanthus*** Willdenow 1806  
(BUNDLEFLOWER)

1. *D. illinoensis* (Michaux) MacMillan ex B.L. Robinson & Fernald. Common Bundle Flower; Prairie Bundle Flower; Prairie Mimosa. 961 (P)(Pub)

**12. *Desmodium*** Desvaux 1813  
(TICK-TREFOIL, TICK-CLOVER, BEGGAR'S-TICKS, STICK-TIGHTS)

1. *D. glabellum* (Michaux) A.P. de Candolle. Tall Tick Trefoil; Dillenius' Tick Trefoil. 1322 (P)(Priv), 2093 (P)(Priv)
2. *D. laevegatum* (Nuttall) A.P. de Candolle. Smooth Tick Trefoil. 2102 (P)(Priv)
3. *D. marilandicum* (Linnaeus) A.P. de Candolle. Maryland Tick Trefoil. 22 Sept 2002, D.D. Spaulding (UNA00059894)
4. *D. nuttallii* (Schindler) B.G. Schubert. Nuttall's Tick Trefoil. 12 Sept 1975, D. Rutland (AUA000011582)
5. *D. obtusum* (Muhlenberg ex Willdenow) A.P. de Candolle. Stiff Tick Trefoil. 11 Sept 1975, D. Rutland (AUA000011591)
6. *D. paniculatum* (Linnaeus) A.P. de Candolle var. *paniculatum*. Panicked Tick Trefoil. 1326 (P)(Pub)
7. *D. perplexum* Schubert. Perplexing Tick Trefoil. 15 Sept 1983, M. Bussey (JSU133052)



8. *D. rotundifolium* A.P. de Candolle. Round-Leaf Tick Trefoil; Dollar Leaf. 301 (P)(Pub), 1128 (P)(Priv), 1295 (P)(Priv) 1747 (P)(Priv)
9. *D. tenuifolium* Torrey & A. Gray. Slimleaf Tick Trefoil. 13 Apr 1997, F. Hutchinson (JSU145986)
10. *D. viridiflorum* (Linnaeus) A.P. de Candolle. Velvety Tick Trefoil. 536 (P)(Pub), 407 (P)(Pub), 1273 (P)(Pub) 1329 (P)(Pub)

**12. *Galactia*** P. Browne 1756  
(MILKPEA)

1. *G. regularis* (Linnaeus) Britton, Sterns, & Poggenburg. Eastern Milk Pea. Previously, only collected once within Cleburne County: 4 Aug 2002, D.D. Spaulding (11518). 769 (**RV-Rec**)(Pub), 868 (P)(Pub), 932 (P)(Pub), 1043 (P)(Priv)
2. *G. volubilis* (Linnaeus) Britton. Downy Milk Pea. 4 Aug 2002, D.D. Spaulding (UNA00059279)

**13. *Gleditsia*** Linnaeus 1753  
(HONEY LOCUST, WATER LOCUST)

1. *G. triacanthos* Linnaeus. Honey Locust; Sweet Locust. Previously, only documented once (64 years ago) within Cleburne County: 16 Oct 1956, W. Adams (AUA000011874). 1824 (**RV-Rec**)(Pub)

**14. *Hylodesmum*** H. Ohashi & R.R. Mill 2000  
(FOREST TICK-TREFOIL)

1. *H. nudiflorum* (Linnaeus) H. Ohashi & R.R. Mill. Naked Tick Trefoil. 823 (**RV-Rec**)(Pub), 869 (P)(Pub) 1032 (P)(Priv)

**15. *Kummerowia*** Schindler 1912  
(KOREAN-CLOVER, JAPANESE-CLOVER)

1. *K. stipulacea* (Maximowicz) Makino. Korean Clover; Korean Lespedeza. 896 (P)(Pub) 1344 (P)(Priv)
2. *K. striata* (Thunberg) Schindler. Japanese Clover; Common Lespedeza. 30 Aug 1993, M. Ballard (JSU134696)

**16. *Lathyrus*** Linnaeus 1753  
(WILD-PEA, VETCHLING)

1. *L. hirsutus* Linnaeus. Singletary Pea; Singletary Vetchling; Caley Pea. This non-native species has not been documented within Cleburne County in 45 years. 16 May 1976, D. Rutland (AUA000011994)
2. *L. latifolius* Linnaeus. Everlasting Pea; Perennial Sweet Pea. 742 (P)(Pub)

3. *L. venosus* Muhlenberg ex Willdenow. Forest Pea; Bush Vetch; Veiny Pea. [CON] S1/G5. 23 May 1993, F. Hutchinson (JSU146044)

**17. *Lespedeza* Michaux 1803**  
(LESPEDEZA)

1. *L. bicolor* Turczaninow. Bicolor Lespedeza; Shrubby Lespedeza. 459 (P)(Pub)
2. *L. capitata* Michaux. Dusty Bush Clover; Round Head Bush Clover. Documented in one other county within the Piedmont region in Alabama. 1409 (P-Rec)
3. *L. cuneata* (Dumont de Courset) G. Don. Chinese Bush Clover; Sericea Lespedeza. 960 (P)(Pub), 1787 (P)(Pub)
4. *L. hirta* (Linnaeus) Hornmann var. *hirta*. Hairy Lespedeza. 464 (P)(Pub)
5. *L. procumbens* Michaux. Downy Trailing Lespedeza. 28 Sept 1982, M. Bussey (JSU135244)
6. *L. repens* (Linnaeus) W. Barton. Smooth Trailing Lespedeza; Creeping Bush Clover. 579 (P)(Priv)
7. *L. stuevei* Nuttall. Velvety Lespedeza. 1396 (P-Rec)(Pub), 1408 (P)(Pub)
8. *L. violacea* (Linnaeus) Persoon. Violet Bush Clover; Wand Lespedeza. 1302 (P)(Pub)
9. *L. virginica* (Linnaeus) Britton. Virginia Lespedeza; Slender Bush Clover. 1 Sept 2002, D.D. Spaulding (UNA00059466)

**18. *Medicago*\* Linnaeus 1753**  
(MEDICK, BUR-CLOVER)

1. *M. lupulina* Linnaeus. Black Medick; Yellow Trefoil. 770 (RV-Rec)(Pub), 1498 (P-Rec)(Pub), 2020 (P)(Priv)

**19. *Melilotus* P. Miller 1754**  
(MELILOT, SWEETCLOVER, SOURCLOVER)

1. *M. albus* Medikus. White Sweet Clover. 401 (P)(Pub), 478 (P)(Pub), 599 (RV-Rec)(Pub)
2. *M. officinalis* (Linnaeus) Pallas. Yellow Melilot; Yellow Sweetclover; Ribbed Melilot. 2 Jun 1983, M. Bussey (JSU135696)

**20. *Mimosa* Linnaeus 1753**  
(MIMOSA)

1. *M. microphylla* Dryander. Eastern Sensitive Brier. 269 (P)(Pub)

**21. *Orbexilum* Rafinesque 1832**  
(SCURFPEA, SAMPSON'S-SNAKEROOT)

1. *O. pedunculatum* (P. Miller) Rydberg. Western Sampson's Snakeroot. 114 (P)(Priv), 405 (P)(Pub), 409 (P)(Pub), 509 (P)(Pub), 1789 (P)(Pub)

**22. *Phaseolus*\*** Linnaeus 1753  
(BEAN)

1. ***P. polystachios*** (Linnaeus) Britton, Sterns, & Poggenburg. Wild Bean; Wild Kidney Bean; Thicket Bean. 819 (**RV-Rec**)(Pub)

**23. *Pisum*** Linnaeus 1753  
(PEA)

1. ***P. sativum*** Linnaeus. Pea; Garden Pea; English Pea. 23 May 1993, F. Hutchinson (JSU146046)

**24. *Pueraria*** A.P. de Candolle 1825  
(KUDZU)

1. ***P. montana*** (Loureiro) Merrill var. ***lobata*** (Willdenow) van der Maesen & S. Almeida. Kudzu. Documented in every Alabama County. 1212 (P)(Pub)

**25. *Rhynchosia*** Loureiro 1790  
(SNOUTBEAN)

1. ***R. tomentosa*** (Linnaeus) Hooker & Arnott. Erect Snoutbean. Until now, *R. tomentosa* had only been documented once in Cleburne County sixty-two years ago: 27 Jun 1957, W. Adams (AUA000013001). 346 (P)(Pub)

**26. *Robinia*** Linnaeus 1753  
(LOCUST)

1. ***R. hispida*** Linnaeus var. ***hispida***. Bristly Locust; Mountain-Rose.
2. ***R. pseudoacacia*** Linnaeus. Black Locust. 25 Apr 1981, R. Whetstone (JSU136871)
3. ***R. viscosa*** Ventenat. Clammy Locust. Previously only documented twice in Cleburne County, both in the Piedmont region. 3 May 1957, W. Adams (AUA000013116), 13 May 2016, D.D. Spaulding (UWAL0037176). 1958 (**RV-Rec**)(Pub)

**27. *Securigera*** A.P. de Candolle 1805  
(CROWN-VETCH)

1. ***S. varia*** (Linnaeus) Lassen. Purple Crown-Vetch. 251 (P)(Pub)

**28. *Senna*** P. Miller 1754  
(SENNA, SICKLEPOD, WILD COFFEE)

1. *S. obtusifolia* (Linnaeus) H.S. Irwin & Barneby. Sicklepod Coffeeweed; Java Bean. 839 (P)(Priv)

**29. *Strophostyles* Elliott 1823**

(SAND BEAN, WOOLLY BEAN, WILD BEAN, FUZZY BEAN)

1. *S. helvola* (Linnaeus) Elliott. Trailing Fuzzy Bean; Trailing Wild Bean; Annual Sand Bean. 1318 (**P-Rec**)(Pub)
2. *S. umbellata* (Muhlenberg ex Willdenow) Britton. Perennial Sand Bean; Perennial Fuzzy Bean. 11 Sept 1975, D. Rutland (AUA000013395)

**30. *Stylosanthes* Swartz 1788**

(PENCIL-FLOWER)

1. *S. biflora* (Linnaeus) Britton, Sterns, & Poggenburg. Pencil-Flower; Side Beak Pencil Flower. 260 (P)(Pub), 758 (**RV-Rec**)(Pub)

**31. *Tephrosia* Persoon 1807**

(GOAT'S-RUE)

1. *T. spicata* (Walter) Torrey & A. Gray. Spiked Hoarypea; Loose Flower Goat's Rue. 161 (P)(Pub), 928 (P)(Pub), 1057 (P)(Priv)
2. *T. virginiana* (Linnaeus) Persoon. Virginia Goat's Rue; Devil's Shoelaces. 582 (P)(Priv), 1780 (P)(Pub)

**32. *Trifolium* Linnaeus 1753**

(CLOVER)

1. *T. campestre* Schreber. Low Hop Clover; Field Clover. 689 (P)(Priv) 1672 (P)(Priv)
2. *T. dubium* Sibthorp. Least Hop Clover; Suckling Clover. 1495 (P)(Pub), 1753 (P)(Priv)
3. *T. incarnatum* Linnaeus. Crimson Clover. 1175 (P)(Priv)
4. *T. pratense* Linnaeus. Red Clover. 112 (P)(Priv), 1161 (P)(Pub)
5. *T. reflexum* Linnaeus. Buffalo Clover. 17 May 1985, R. Whetstone (JSU140443)
6. *T. repens* Linnaeus. White Clover; Dutch Clover. 115 (P)(Priv)

**33. *Vicia* Linnaeus 1753**

(VETCH, TARE)

1. *V. caroliniana* Walter. Pale Vetch; Wood Vetch; Carolina Vetch. 238 (P)(Pub), 1658 (P)(Pub)
2. *V. grandiflora* Scopoli. Large Yellow Vetch. 27 May 1994, M. Ballard (JSU140723)
3. *V. sativa* Linnaeus ssp. *nigra* (Linnaeus) Ehrhart. Narrowleaf Vetch; Common Vetch. 1566 (P)(Pub)

4. *V. tetrasperma* (Linnaeus) Schreb. Lentil Vetch; Slender Vetch. 1867 (P)(Pub)
5. *V. villosa* Roth ssp. *varia* (Host) Corbière. Winter Vetch; Smooth Vetch. 1844 (P)(Pub)
6. *V. villosa* Roth ssp. *villosa*. Hairy Vetch; Fodder Vetch. 30 May 1972, R. Whetstone (JSU140775)

**34. *Vigna*\* Savi 1824  
(COWPEA)**

1. *V. unguiculata* (Linnaeus) Walpers. Black Eyed Pea; Field Pea. 2139 (RV-Rec)(Pub)

**35. *Wisteria* Nuttall 1818  
(WISTERIA)**

1. *W. frutescens* (Linnaeus) Poiret. American Wisteria; Swamp Wisteria. 340 (P)(Priv) Weakly (2020) distinguishes two varieties *Wisteria frutescens* (Linnaeus) Poiret var. *frutescens* and *Wisteria frutescens* (Linnaeus) Poiret var. *macrostachya* Torrey & A. Gray and states, “The two taxa have some morphologic and phytogeographic coherence, but intergradation appears to be extensive, and individual specimens (in the herbarium) or trees (in the field) may not be readily identifiable to variety.” The variety of this specimen has not been determined therefore the typical variety is used here.
2. *W. sinensis* (Sims) A.P. de Candolle. Chinese Wisteria. 1836 (P-Rec)(Pub), 1864 (P)(Pub) white form, 1865 (P)(Pub)

**53. FAGACEAE Dumortier 1829  
(Beech Family)**

**1. *Castanea* P. Miller 1754  
(CHESNUT, CHINQUAPIN)**

1. *C. dentata* (Marshall) Borkhausen. American Chesnut. 27 Jul 1995, S. Hruska (JSU122969)
2. *C. mollissima* Blume. Chinese Chesnut. 28 May 2015, D.D. Spaulding (14279)
3. *C. pumila* (Linnaeus) P. Miller. Common Chinquapin. Allegheny Chinquapin. 5 Jan 1984 (JSU123057)

**2. *Fagus* Linnaeus 1753  
(BEECH)**

1. *F. grandifolia* Ehrhart var. *carolina* (Loudon) Fernald & Rehder. American Beech; White Beech. 395 (P)(Pub), 463 (P)(Pub)

3. *Quercus* Linnaeus 1753  
(OAK)

1. *Q. alba* Linnaeus. White Oak. 15 Sept 1983, C. Nixon (JSU123189)
2. *Q. coccinea* Muenchhausen. Scarlet Oak. 26 Jun 1968, K. Landers (JSU123312)
3. *Q. falcata* Michaux. Spanish Oak; Southern Red Oak. 12 Oct 1956, W. Adams (AUA-ACC062880)
4. *Q. hemisphaerica* Bartram ex Willdenow. Sand Laurel Oak; Darlington Oak. 2 Oct 2000, D.D. Spaulding (JSU138669)
5. *Q. lyrata* Walter. Overcup Oak. 258 (P-Rec)(Pub)
6. *Q. margaretiae* Ashe ex Small. Sand Post Oak; Scrubby Post Oak; Margaretta's Oak. 9 May 1996, S. Hruska (JSU143037)
7. *Q. marilandica* Muenchhausen var. *marilandica*. Blackjack Oak. 4 May 1968, B. Knapp (JSU123706)
8. *Q. michauxii* Nuttall. Swamp Chesnut Oak; Cow Oak; Basket Oak. 997 (P)(Priv)
9. *Q. montana* Willdenow. Rock Chesnut Oak; Mountain Oak. 2167 (P)(Pub)
10. *Q. muehlenbergii* Englemann. Yellow Chesnut Oak; Chinquapin Oak. 18 Jun 1966, R. Clark (NCU00265041)
11. *Q. nigra* Linnaeus. Water Oak; Paddle Oak. 218 (P)(Priv), 1431 (RV-Rec)(Pub) 1794 (P)(Priv)
12. *Q. phellos* Linnaeus. Willow Oak. Previously only documented once in Cleburne County forty years ago: 9 Sept 1979, R. Crenshaw (JSU124116). 202 (P)(Priv)
13. *Q. prinoides* Willdenow. Dwarf Chinquapin Oak. 16 Apr 1968, M. Stuart (JSU124208)
14. *Q. rubra* Linnaeus var. *rubra*. Red Oak. 3 Nov 1983, C. Nixon (JSU124234)
15. *Q. shumardii* Buckley. Shumard Oak; Swamp Red Oak. 4 May 1995, S. Hruska (JSU124384)
16. *Q. stellata* Wangenheim. Post Oak. 9 Sept 1979, R. Crenshaw (JSU124483)
17. *Q. velutina* Lamarck. Black Oak. 245 (P)(Priv)

54. FUMARIACEAE Marquis 1820  
(Fumitory Family)

1. *Corydalis* A.P. de Candolle 1805  
(CORYDALIS)

1. *C. flavula* (Rafinesque) A.P. de Candolle. Yellow Fumewort. 13 Apr 1976, M. Banholzer (JSU137746)

55. GELSEMIACEAE Struwe & V.A. Albert 1994 [1995]

**(Jessamine Family)**

**1. *Gelsemium* A.L. de Jussieu 1789  
(YELLOW JESSAMINE)**

1. *G. sempervirens* (Linnaeus) St. Hilaire. Carolina Jessamine; Yellow Jessamine. 1593 (RV)(Pub)

**56. GENTIANACEAE de Jussieu 1789  
(Gentian Family)**

**1. *Gentiana* Linnaeus 1753  
(GENTIAN)**

1. *G. saponaria* Linnaeus. Soapwort Gentian; Harvest Bells. [CON] S3/G5. 1299 (P)(Priv) 1444 (RV)(Pub) 1457 (P)(Priv)
2. *G. villosa* Linnaeus. Striped Gentian. [CON] S1/G4. Previously only documented once in Cleburne County: 4 Nov 2005, C. Hansen (AUA-ACC066925). The recent collection found during this survey, was located in an area previously overtaken by kudzu. After a prescribed burn, *G. villosa* reemerged within approximately two years. 2126 (P)(Pub)

**2. *Obolaria* Linnaeus 1753  
(PENNYWORT)**

1. *O. virginica* Linnaeus. Pennywort. 1610 (P)(Priv) 1643 (P)(Priv)

**3. *Sabatia* Adanson 1763  
(SABATIA, ROSE-GENTIAN, ROSE-PINK, MARSH-PINK, SEA-PINK)**

1. *S. angularis* (Linnaeus) Pursh. Square Stem Rose Gentian; Common Marsh-Pink; Bitter-Bloom. 865 (P)(Pub), 870 white form (P)(Pub), 872 (P)(Pub)
2. *S. capitata* (Rafinesque) Blake. Cumberland Rose Gentian; Appalachian Rose Gentian. [CON] S2/G2. Cumberland Rose is endemic to the southeastern United States and only known to occur in four states: Alabama, Georgia, North Carolina, and Tennessee. Extirpated from the only known location in North Carolina: Cherokee County. 871 (P)(Pub), 1135 (RV-Rec)(Pub)

**57. GERANIACEAE de Jussieu 1789  
(Geranium Family)**

**1. *Erodium* L'Heritier in Aiton 1789  
(STORK'S BILL, FILAREE)**

1. *E. cicutarium* L'Heritier ex Aiton. Heron's Bill; Redstem Stork's Bill; Red Stem Filaree.

**2. *Geranium* Linnaeus 1753**  
(GERANIUM, CRANE'S-BILL)

1. *G. carolinianum* Linnaeus. Carolina Crane's-Bill; Carolina Geranium. 611 (RV-Rec)(Pub), 1663 (P)(Pub), 1742 (P)(Priv)
2. *G. dissectum* Linnaeus. Cutleaf Geranium; Cutleaf Crane's-Bill. 7 May 2017, D.D. Spaulding (14753) with M.T. Spaulding and Taylor Spaulding. 687 (P)(Priv), 1740 (P)(Priv)
3. *G. maculatum* Linnaeus. Wild Geranium; Spotted Crane's-Bill. 1592 (RV)(Pub), 1674 (P)(Priv), 1717 (RV)(Pub), 1737 (P)(Priv)
4. *G. molle* Linnaeus. Dove's Foot Geranium; Dove Foot Crane's-Bill. 577 (P-Rec)(Priv) 1567 (P)(Pub) 1839 (P)(Pub)

**58. GROSSULARIACEAE A.P. de Candolle 1805**  
(Currant Family)

**1. *Ribes* Linnaeus 1753**  
(CURRANT, GOOSEBERRY)

1. *R. curvatum* Small. Granite Gooseberry. [CON] S2/S4. 30 Apr 1968, J. Tudor (JSU125414)

**59. HALORAGACEAE R. Brown 1814**  
(Water Milfoil Family)

**1. *Myriophyllum* Linnaeus 1753**  
(WATER MILFOIL)

1. *M. aquaticum* (da Conceição Vellozo) Verdcourt. Parrot Feather. 1027 (P)(Pub)

**2. *Proserpinaca*\* Linnaeus 1753**  
(MERMAID WEED)

1. *P. palustris* Linnaeus. Marsh Mermaid Weed; Common Mermaid Weed. 695 (P-Rec)(Priv) 992 (P)(Priv)



**60. HAMAMELIDACEAE** R. Brown 1818  
(Witch Hazel Family)

**1. Hamamelis** Linnaeus 1753  
(WITCH HAZEL)

1. *H. virginiana* Linnaeus var. *virginiana*. American Witch Hazel; Northern Witch Hazel. 750 (P)(Priv), 1727 (P)(Priv)

**61. HEMEROCALLIDACEAE** R. Brown 1810  
(Day-Lily Family)

**1. Hemerocallis** Linnaeus 1753  
(DAY-LILY)

1. *H. fulva* (Linnaeus) Linnaeus. Orange Day-Lily; Tawny Day-Lily. 608 (RV-Rec), 719 (P)(Priv)

**62. HIPPOCASTANACEAE** A. Richard 1823  
(Horse-Chesnut Family)

**1. Aesculus** Linnaeus 1753  
(BUCKEYE)

1. *A. pavia* Linnaeus. Red Buckeye. 28 Apr 1976, T. Atkinson (JSU125847)
2. *A. sylvatica* Bartram. Painted Buckeye. 6 May 1973, W. Ponder (AUA-ACC047377)

**63. HYACINTHACEAE** Batsch ex Borkhausen 1797  
(Hyacinth Family)

**1. Hyacinthoides\*** Heister ex Fabricius 1759  
(BLUEBELL)

1. *H. nonscripta* (Linnaeus) Chouard ex Rothmaler. English Bluebells. 1656 (ST-Rec)(P-Rec)(Pub)

**2. *Muscari*** P. Miller 1754  
(GRAPE-HYACINTH)

1. *M. neglectum* Gussoni ex Tenore. Grape Hyacinth; Starch Grape Hyacinth. 1597 (P)(Pub)

**3. *Ornithogalum*\*** Linnaeus 1753  
(STAR-OF-BETHLEHEM)

1. *O. umbellatum* Linnaeus. Star of Bethlehem; Snowflake; Nap at Noon. 1837 (**P-Rec**)(Pub) 1842 (P)(Pub)

**64. HYDRANGEACEAE** Dumortier 1829  
(Hydrangea Family)

**1. *Deutzia*\*** Thunberg 1781  
(DEUTZIA)

1. *D. scabra* Thunberg. Deutzia; Pride of Rochester. 1807 (**ST-Rec**)(**P-Rec**)(Pub)

**2. *Hydrangea*** Linnaeus 1753  
(HYDRANGEA, SEVENBARK)

1. *H. arborescens* Linnaeus. Wild Hydrangea; Smooth Hydrangea; Nine Bark Hydrangea. 420 (P)(Pub)
2. *H. barbara* (Linnaeus) B. Schulz. Climbing Hydrangea; Woodvamp. 842 (P)(Priv) 902 (P)(Pub), 2147 (RV)(Pub)
3. *H. cinerea* Small. Ashy Hydrangea; Southern Wild Hydrangea; Deam's Hydrangea. 239 (P)(Pub) 1440 (RV)(Pub)
4. *H. quercifolia* Bartram. Oakleaf Hydrangea. 138 (P)(Pub)

**3. *Philadelphus*** Linnaeus 1753  
(MOCK-ORANGE)

1. *P. hirsutus* Nuttall. Hairy Mock-Orange; Cumberland Mock-Orange. 19 Sept 1982, M. Bussey (JSU1266342)

**65. HYDRASTIDACEAE\*\*** Martinov 1820  
(Goldenseal Family)

1. *Hydrastis*\* Linnaeus 1759  
(GOLDENSEAL)

1. *H. canadensis* Linnaeus. Goldenseal. [CON] S2/G4. This Cleburne Co. specimen is possibly the first known collection in the Piedmont Region of Alabama since Charles Mohr documented *H. canadensis* 140 years ago in Chilton County Jun 1880 Mohr (UNA00016940). Likely extirpated in Chilton County. Rare in the Piedmont region of the United States. 1732 (P-Rec)(Priv)

66. HYDROCHARITACEAE de Jussieu 1789  
(Frog's Bit Family)

1. *Egeria*\* Planchon 1849  
(SOUTH AMERICAN WATERWEED)

1. *E. densa* Planchon. Brazilian Waterweed. 481 (P-Rec)(Pub)

2. *Hydrilla* L.C. Richard 1814  
(HYDRILLA)

1. *H. verticillata* (Linnaeus) Royle. Hydrilla. Collected for the first time as part of the Cleburne County flora on 23 Jun 2018 by D.D. Spaulding (15411).

3. *Najas*\* Linnaeus 1753  
(NAIAD, BUSHY-PONDWEED, WATER-NYMPH)

1. *N. minor* Allioni. Brittle Water Nymph; Brittle Nyad; Spinyleaf Naiad. 1232 (P-Rec)(Pub)

67. HYDROPHYLLACEAE R. Brown 1817  
(Waterleaf Family)

1. *Nemophila* Nuttall 1822  
(BABY-BLUE-EYES)

1. *N. aphylla* (Linnaeus) Brummitt. Small Flower Baby-Blue-Eyes; Eastern Baby-Blue-Eyes; White Nemophila. 1904 (RV)(Pub)

**68. HYPERICACEAE** de Jussieu 1789  
(St. John's Wort Family)

**1. *Hypericum*** Linnaeus 1753  
(ST. JOHN'S-WORT)

1. *H. crux-andreae* (Linnaeus) Crantz. St. Peter's Wort; St. Andrew's Cross. 1251 (P-Rec)(Pub)
2. *H. drummondii* (Greville & Hooker) Torrey & A. Gray. Drummond's St. John's Wort; Nits and Lice. Until this collection, *H. drummondii* had not been documented within Cleburne County in 45 years. 2009 (P)(Pub)
3. *H. gentianoides* (Linnaeus) Britton, Sterns, & Poggenburg. Orange Grass; Pineweed; Orangeweed. 788 (RV-Rec)(Pub)
4. *H. hypericoides* (Linnaeus) Crantz. St. Andrew's Cross. 1050 (P)(Priv), 1207 (P)(Pub), 1352 (P)(Priv)
5. *H. mutilum* Linnaeus var. *mutilum*. Common Dwarf St. John's Wort. 517 (P)(Priv), 652 (P)(Priv), 663 (P)(Priv), 940 (P)(Priv)
6. *H. nudiflorum* Michaux ex Willdenow. Early St. John's Wort. [CON] S2/G5. 813 (RV-Rec)(Pub)
7. *H. punctatum* Lamarck. Spotted St. John's Wort. 537 (P)(Pub), 636 (RV)(Pub), 656 (P)(Priv), 814 (RV-Rec)(Pub), 825 (RV)(Pub)
8. *H. stragulum* W.P. Adams & Robson. Low St. Andrew's Cross; Stragging St. John's Wort. 1989 (P)(Priv)

**2. *Triadenum*\*** Rafinesque 1836 [1837]  
(MARSH ST. JOHN'S-WORT)

1. *T. walteri* (J.F. Gmelin) Gleason. Walter's Marsh St. John's Wort. 1425 (RV-Rec)(Pub)

**69. HYPOXIDACEAE** R. Brown 1814  
(Stargrass Family)

**1. *Hypoxis*** Linnaeus 1759  
(STARGRASS)

1. *H. hirsuta* (Linnaeus) Coville. Common Stargrass; Eastern Stargrass. 683 (P)(Priv), 2026 (P)(Pub)

**70. IRIDACEAE** de Jussieu 1789  
(Iris Family)

**1. *Crocsmia*** Planchon 1851

(MONTBRETIA)

1. *C. ×crocsmiiflora* (V. Lemoine) N.E. Brown. Montbretia. 31 Jul 2008, B. Garland (AMAL00003541)

**2. *Gladiolus* Linnaeus 1754**  
(GLADIOLUS)

1. *G. ×gandavensis* Van Houtte. Garden Gladiolus. First documented as an element of the Cleburne County flora on 16 Jul 2017, D.D. Spaulding (UWAL0038027). 158 (P)(Pub), 338 (P)(Pub), 347 (P)(Pub), 882 (P)(Pub)

**3. *Iris* Linnaeus 1753**  
(IRIS, FLAG, FLEUR-DE-LIS, BLACKBERRY-LILY)

1. *I. cristata* Aiton. Dwarf Crested Iris. 916 (RV)(Pub) 1116 (P)(Priv) 1684 (P)(Pub) 1711 (RV)(Pub) 1882 (P)(Pub)
2. *I. germanica* Linnaeus. German Iris; Fleur de Lys. 1617 (**P-Rec**)(Pub) 1709 (**RV-Rec**)(Pub)
3. *I. pseudacorus* Linnaeus. Water Flag; Yellow Flag; Pale Yellow Iris. First documented as an element of the Cleburne County flora on 5 May 2018, D.D. Spaulding (UWAL0045940).
4. *I. verna* Linnaeus var. *smalliana*. Upland Dwarf Iris. 1023 (P)(Pub), 2022 (P)(Pub)
5. *I. virginica* Linnaeus. Southern Blue Flag. 989 (P)(Pub)

**4. *Sisyrinchium* Linnaeus 1753**  
(BLUE-EYED-GRASS, IRISETTE)

1. *S. angustifolium* P. Miller. Narrow Leaved Blue-Eyed Grass. 7 May 1970, M. Borden (JSU117007)
2. *S. nashi* E.P. Bicknell. Nash's Blue-Eyed Grass. 580 (P)(Priv)
3. *S. rosulatum* E.P. Bicknell. Annual Blue-Eyed Grass; Lawn Blue Eyed Grass; Fairy Stars. 21 May 2017, D.D. Spaulding (14767)

**71. ITEACEAE Agardh 1858**  
(Sweetspire Family)

**1. *Itea* Linnaeus 1753**  
(VIRGINIA-WILLOW, SWEETSPIRE, TASSEL-WHITE)

1. *I. virginica* Linnaeus. Virginia Sweetspire; Virginia Willow. 440 (P)(Pub), 643 (RV)(Pub), 1204 (P)(Pub), 1783 (P)(Pub)

**72. JUGLANDACEAE** A.P. de Candolle 1818  
(Walnut Family)

**1. *Carya*** Nuttall 1818  
(HICKORY)

1. *C. carolinae-septentrionalis* (W.W. Ashe) Engler & Graebner. Carolina Shagbark Hickory. Documented once in Cleburne County: 26 Jun 1968, K. Landers (JSU1275530)
2. *C. cordiformis* (Wangenheim) K. Koch. Bitternut Hickory. 10 Nov 1968, K. Landers (JSU127555)
3. *C. glabra* (P. Miller) Sweet. Pignut Hickory. 1109 (P)(Priv)
4. *C. illinoensis* (Wangenheim) K. Koch. Pecan. Until this collection, Pecan had not been documented within Cleburne County in 54 years. 18 Jun 1966, R. Clark (NCU00054002) 1790 (P)(Priv)
5. *C. pallida* (W.W. Ashe) Engler & Graebner. Sand Hickory; Pale Hickory. 8 Sept 1983, D. Baldwin (JSU127683)
6. *C. tomentosa* (Lamarck) Nuttall. Mockernut Hickory; White Hickory. 311 (P)(Pub)

**2. *Juglans*\*** Linnaeus 1753  
(WALNUT)

1. *J. cinerea* Linnaeus. Butternut; White Walnut. [CON] S1/G3. Butternut is rare in the Piedmont province of the United States. This is the first known collection in Alabama's Piedmont province. 2127 (P-Rec)(Pub)
2. *J. nigra* Linnaeus. Black Walnut. 924 (RV-Rec)(Pub), 1791 (P-Rec)(Priv), 1957 (RV)(Pub)

**73. JUNCACEAE** de Jussieu 1789  
(Rush Family)

**1. *Juncus*** Linnaeus 1753  
(RUSH)

1. *J. acuminatus* Michaux. Sharp Fruit Rush; Knot Leaf Rush. 168 (P)(Priv), 732 (P)(Priv), 1191 (P)(Pub)

2. *J. biflorus* Elliott. Large Grass-Leaved Rush. 101 (**P-Rec**)(Priv), 942 (P)(Priv), 1987 (P)(Pub)
3. *J. coriaceus* Mackenzie. Leathery Rush. 720 (P)(Priv) 939 (P)(Priv)
4. *J. dichotomus* Elliott. Forked Rush. 1821 (**RV-Rec**)(Pub)
5. *J. diffusissimus* Buckley. Diffuse Rush; Slim Pod Rush. 207 (P)(Priv), 1003 (P)(Pub)
6. *J. effusus* Linnaeus ssp. *solutus* (Fernald & Wiegand) Hämet-Ahti. Soft Rush; Common Rush. 730 (P)(Priv)
7. *J. marginatus* Rostkovius. Grass-Leaved Rush. Previously documented once in Cleburne County, forty years ago, in the Ridge and Valley province: 1 Jul 1979, R. Haynes (UNA00004980). 1198 (**P-Rec**)(Priv)
8. *J. scirpoides* Lamarck var. *scirpoides*. Needle Pod Rush; Sedge Rush. 1985 (**P-Rec**)(Pub)
9. *J. tenuis* Willdenow. Path Rush; Slender Rush; Poverty Rush. 129 (P)(Pub), 564 (P)(Pub), 593 (P)(Pub)
10. *J. validus* Coville. Round Head Rush. 973 (P)(Pub)

**2. *Luzula*** A.P. de Candolle 1805  
(WOOD-RUSH)

1. *L. acuminata* Rafinesque var. *carolinae* (S. Watson) Fernald. Carolina Wood Rush. 1030 (P)(Pub), 1544 (**RV-Rec**)(Pub)
2. *L. bulbosa* (Wood) Smyth & Smyth. Bulbous Woodrush. 1555 (P)
3. *L. echinata* (Small) F.J. Hermann. Spreading Woodrush. 1568 (P)(Pub)

**74. LAMIACEAE** Martinov 1820  
(Mint Family)

**1. *Ajuga*** Linnaeus 1753  
(BUGLE, BUGLEWEED)

1. *A. reptans* Linnaeus. Carpet Bugle; Bugleweed. 1833 (P)(Pub)

**2. *Blephilia*** Rafinesque 1819  
(WOODMINT, PAGODA-PLANT)

1. *B. ciliata* (Linnaeus) Benth. Downy Wood Mint; Downy Pagoda Plant. 1133 (P)(Priv), 1760 (P)(Priv)

**3. *Callicarpa*** Linnaeus 1753  
(BEAUTYBERRY)

1. *C. americana* Linnaeus. Beautyberry; American Beautyberry; French Mulberry. 1455 (P)(Priv)

**4. *Clerodendrum*\* Linnaeus 1753**  
(GLORY-BOWER)

1. *C. bungei* Steudel. Rose Glory Bower; Cashmere Bouquet. 1222 (**P-Rec**)(Pub), 1224 (P)(Pub)

**5. *Clinopodium* Linnaeus 1753**  
(CALAMINT)

1. *C. calamintha* (Linnaeus) Stace. Lesser Calamint; Basil-Thyme.
2. *C. talladeganum* B.R. Keener & Floden. Talladega Wild Basil. Endemic to the Talladega Mountains in Alabama, this is the only Alabama endemic currently known to occur in Cleburne County. Talladega Wild Basil is known from three counties: Calhoun, Cleburne, and Talladega. 873 (P)(Pub), 1209 (P)(Pub), 2118 (P)(Priv)

**6. *Collinsonia* Linnaeus 1753**  
(HORSEBALM, RICHWEED, STONEROOT)

1. *C. canadensis* Linnaeus. Richweed; Northern Horsebalm. 2 Jun 2017, D.D. Spaulding with (14780) M.T. Spaulding. 2181 (P)(Priv)
2. *C. tuberosa* Michaux. Stoneroot. 20 Oct 1996, S. Hruska (JSU125545)

**7. *Glechoma* Linnaeus 1753**  
(GILL-OVER-THE-GROUND)

1. *G. hederacea* Linnaeus. Ground Ivy; Gill-Over-the-Ground. 1843 (P)(Pub)

**8. *Hedeoma* Persoon 1807**  
(AMERICAN PENNYROYAL)

1. *H. hispida* Pursh. Rough False Pennyroyal; Mock Pennyroyal. 25 May 1994, S. Hruska (JSU125718)

**9. *Lamium* Linnaeus 1753**  
(DEAD NETTLE, HENBIT, ARCHANGEL)

1. *L. amplexicaule* Linnaeus var. *amplexicaule*. Henbit; Henbit Dead Nettle; Giraffe Head. 1500 (P)(Pub) 1563 (P)(Pub)
2. *L. purpureum* Linnaeus. Purple Dead Nettle; Red Henbit. 9 Mar 1993, L. Weninegar (JSU126117)

**10. *Lycopus* Linnaeus 1753**



(BUGLEWEED, WATER-HOREHOUND)

1. *L. virginicus* Linnaeus. Virginia Bugleweed; Virginia Water Horehound. 1395 (P)(Pub), 2106

**11. *Monarda*** Linnaeus 1753  
(BERGAMOT, BEEBALM)

1. *M. fistulosa* Linnaeus var. *mollis* (Linnaeus) Benth. Eastern Bergamot. 166 (P)(Pub), 257 (P)(Pub), 273 (P)(Pub), 848 (P)(Priv), 877 (P)(Pub)
2. *M. punctata* Linnaeus. Eastern Horsemint; Spotted Beebalm. 9 Jun 1994, S. Hruska (JSU126449)

**12. *Mosla*\*** (Benth.) Buchanan-Hamilton ex Maximowicz 1875  
(MOSLA)

1. *M. dianthera* (Buchanan-Hamilton ex Roxburgh) Maximowicz. Miniature Beefsteak Plant. 1341 (P-Rec)(Priv), 1367 (P)(Priv)

**13. *Perilla*** Linnaeus 1764  
(PERILLA, BEEFSTEAK-PLANT, SHISO)

1. *P. frutescens* (Linnaeus) Britton. Beefsteak Plant; Wild Basil; Perilla. 1221 (P)(Pub)

**14. *Prunella*** Linnaeus 1753  
(SELF-HEAL, HEAL-ALL)

1. *P. vulgaris* Linnaeus var. *lanceolata* (W. Barton) Fernald. American Self Heal. 427 (P)(Pub), 366 (P)(Priv)
2. *P. vulgaris* Linnaeus var. *vulgaris*. Eurasian Self Heal. 28 Sept 1982, M. Bussey (JSU126578)

**15. *Pycnanthemum*** Michaux 1803  
(MOUNTAIN-MINT, WILD-BASIL)

1. *P. incanum* (Linnaeus) Michaux var. *puberulum* (E. Grant & Epling) Fernald. Southern Hoary Mountain Mint. 978 (P)(Pub)
2. *P. loomisii* Nuttall. Loomis's Mountain-Mint. 11 Sept 1975, D. Rutland (AUA-ACC028542)
3. *P. muticum* (Michaux) Persoon var. *muticum*. Clustered Mountain Mint; Short Tooth Mountain Mint; Bigleaf Mountain Mint. 2119 (P-Rec)(Priv), 2150 (RV-Rec)(Pub)
4. *P. pycnanthemoides* (Leavenworth) Fernald var. *pycnanthemoides*. Southern Mountain Mint. 17 Jul 1957, W. Adams (AUA-ACC062959)

5. *P. tenuifolium* Schrader. Narrowleaf Mountain Mint; Slender Mountain Mint. 755 (RV-Rec)(Pub), 881 (P)(Pub)

**16. *Salvia* Linnaeus 1753**  
(SAGE, CLARY)

1. *S. lyrata* Linnaeus. Lyreleaf Sage. 111 (P)(Priv) 664 (P)(Priv)
2. *S. urticifolia* Linnaeus. Nettleleaf Sage. 2053

**17. *Scutellaria* Linnaeus 1753**  
(SKULLCAP)

1. *S. elliptica* Muhlenberg ex Sprengel var. *elliptica*. Hairy Skullcap. 263 (P)(Pub) , 878 (P)(Pub), 1053 (P)(Priv), 1097 (P)(Priv), 1923 (P)(Priv)
2. *S. integrifolia* Linnaeus. Narrowleaf Skullcap; Helmet Skullcap; Helmet Flower; Hyssop Skullcap. 334 (P)(Pub), 362 (P)(Priv), 583 (P)(Priv), 1784 (P)(Pub)
3. *S. ovata* Hill. Egg Leaf Skullcap; Heartleaf Skullcap. Weakley describes three varieties of the *ovata* complex. Alabama Plant Atlas does not currently breakout *ovata* varieties. 13 Sept 1982, M. Bussey (JSU127455)

**18. *Teucrium*\* Linnaeus 1753**  
(GERMANDER)

1. *T. canadense* Linnaeus var. *canadense*. Common Germander. 829 (RV-Rec)(Pub)

**19. *Trichostema* Linnaeus 1753**  
(BLUE CURLS)

1. *T. brachiatum* Linnaeus. Glade Blue Curls; False Pennyroyal. 10 Oct 1996, F. Hutchinson (JSU146165)
2. *T. dichotomum* Linnaeus. Common Blue Curls. 12 Sept 1975, D. Rutland (AUA-ACC028668)
3. *T. setaceum* Houttuyn. Narrowleaf Blue Curls. 15 Oct 1996, S. Hruska (JSU128652)

**75. LAURACEAE de Jussieu 1789**  
(Laurel Family)

**1. *Lindera* Thunberg 1783**  
(SPICEBUSH, BENZOIN)

1. *L. benzoin* (Linnaeus) Blume. Northern Spicebush. 600 (RV)(Pub) 1776 (P)(Priv)

**2. *Persea*** P. Miller 1754  
(BAY)

1. *P. borbonia* (Linnaeus) Sprengel. Red Bay. 19 Dec 1956, W. Adams (AUA-ACC062960)

**3. *Sassafras*** J. Presl 1825  
(SASSAFRAS)

1. *S. albidum* (Nuttall) Nees. Sassafras. 377 (P)(Priv), 629 (**RV-Rec**)(Pub)

**76. LILIACEAE** de Jussieu 1789  
(Lily Family)

**1. *Erythronium*** Linnaeus 1753  
(TROUT LILY)

1. *E. americanum* Ker-Gawler ssp. *harperi* (W. Wolf) Parks & Hardin. Harper's Trout Lily. 678 (P)(Priv), 1669 (P)(Priv), 1879 (P)(Pub)
2. *E. umbilicatum* Parks & Hardin ssp. *umbilicatum*. Dimpled Trout Lily. [**CON**] **S1/G5T5**. 1575 (P)(Pub) 1583 (RV)(Pub) 1589 (RV)(Pub) 1625 (P)(Priv) 1695 (P)(Pub)

**2. *Lilium*** Linnaeus 1753  
(LILY)

1. *L. lancifolium* Thunberg. Tiger Lily. 984 (**P-Rec**)(Pub) 1093 (**RV-Rec**)(Pub)
2. *L. longiflorum* Thunberg. Trumpet Lily; Easter Lily. 15 Aug 2006, T.W. Barger (AMAL00013719)
3. *L. michauxii* Poiret. Carolina Lily; Michaux's Lily. 502 (P)(Pub), 914 (**RV-Rec**)(Pub), 1142 (P)(Pub), 1148 (P)(Pub), 1187 (P)(Pub), 1417 (P)(Pub)
4. *L. superbum* Linnaeus. Turk's Cap Lily; Superb Lily; Royal Lily. [**CON**] **S3/G5**. 1291 (**P-Rec**)(Priv), 1975 (P)(Priv)

**3. *Medeola*** Linnaeus 1753  
(INDIAN CUCUMBER-ROOT)

1. *M. virginiana* Linnaeus. Indian Cucumber-Root. 908 (**RV-Rec**)(Pub), 1044 (P)(Priv), 1089 (P)(Priv)

**4. *Prosartes*** D. Don 1839  
(FAIRYBELLS, MANDARIN)

1. *P. lanuginosa* (Michaux) D. Don. Yellow Mandarin, Yellow Fairybells. 21 Apr 1993, S. Oberholster (AUA-ACC071256)

**78. LINACEAE\*\*** A.P. de Candolle 1818  
(Flax Family)

**1. *Linum*\*** Linnaeus 1753  
(FLAX)

1. *L. curtissii* Small. Texas Yellow Flax. 108 (**P-Rec**)(Priv), 297 (P)(Pub), 880 (P)(Pub), 930 (P)(Pub), 1088 (P)(Priv), 1184 (P)(Pub)
2. *L. striatum* Walter. Ridgestem Yellow Flax; Ridged Yellow Flax. 184 (**P-Rec**)(Priv), 803 (**RV-Rec**)(Priv), 898 (P)(Pub)

**79. LINDERNIACEAE** Borsh, Kai Muller, & Eb. Fischer 2005  
(False Pimpernel Family)

**1. *Lindernia*** Allioni 1755  
(FALSE PIMPERNEL)

1. *L. anagallida* (Michaux) Pennell. 12 Jul 1993, M. Ballard (JSU129626)
2. *L. dubia* (Linnaeus) Pennell var. *dubia*. Yellow False Pimpernel. 22 Sept 1990, L. Davenport (SAMF0004787)

**2. *Micranthemum*** Michaux 1803  
(MUDFLOWER)

1. *M. umbrosum* (J.F. Gmelin) Blake. Shade Mudflower. 2 Mar 1995, S. Hruska (JSU129853)

**80. LINNAEACEAE\*\*** Backlund 1998  
(Twinflower Family)

**1. *Kolkwitzia*\*** Graebner 1901  
(BEAUTYBUSH)

1. *K. amabilis* Graebner. Beautybush. 2052 (**P-Rec**)(Pub)

**81. LOGANIACEAE** R. Brown ex Martius 1827  
(Strychnine Family)

**1. \*Mitreola** Linnaeus 1758  
(MITERWORT)

1. *M. petiolata* (J.F. Gmelin) Torrey & A. Gray. Caribbean Miterwort; Lax Hornpod; Miterwort. 1069 (P-Rec)(Priv)

**2. Spigelia** Linnaeus 1753  
(PINKROOT)

1. *S. marilandica* (Linnaeus) Linnaeus. Pink Root; Wormgrass; Indian Pink. 225 (P)(Priv), 588 (P)(Priv), 1031 (P)(Priv), 1049 (P)(Pub), 1786 (P)(Pub)

**82. LYTHRACEAE** J. Saint-Hilaire 1805  
(Loosestrife Family)

**1. Ammannia\*** Linnaeus 1753  
(TOOTHCUP)

1. *A. coccinea* Rottbøll. Valley Redstem; Scarlet Loosestrife. 1319 (P-Rec)(Pub)

**2. Cuphea\*** P. Browne 1756  
(WAXWEED)

1. *C. carthagenensis* (Jacquin) J.F. Macbride. Columbian Waxweed. 1078 (P-Rec)(Priv)

**3. Lythrum** Linnaeus 1753  
(LOOSESTRIFE)

1. *L. lanceolatum* Elliott. Southern Winged Loosestrife. 26 Jul 1970, W. Cox (AUA-ACC022481)

**4. Rotala** Linnaeus 1771  
(TOOTHCUP)

1. *R. ramosior* (Linnaeus) Koehne. Lowland Toothcup. 943 (P)(Priv) 1321 (P)(Pub)

**83. MAGNOLIACEAE** de Jussieu 1789  
(Magnolia Family)

**1. *Liriodendron*** Linnaeus 1753  
(TULIP-TREE)

1. *L. tulipifera* Linnaeus var. *tulipifera*. Tulip Tree; Yellow Poplar; Whitewood. 696 (P)(Priv)

**2. *Magnolia*** Linnaeus 1753  
(MAGNOLIA, CUCUMBER-TREE)

1. *M. acuminata* (Linnaeus) Linnaeus var. *acuminata*. Cucumber Tree; Cucumber Magnolia. 25 Jun 1957, W. Adams (AUA-ACC062963)
2. *M. fraseri* Walter. Fraser Magnolia; Mountain Magnolia. [CON] S1/G5. 2129 (P)(Pub)
3. *M. grandiflora* Linnaeus. Southern Magnolia. 25 Jul 2017, D.D. Spaulding (14900) with two of my children: Kailey Hendrix and Taylor Spaulding.
4. *M. macrophylla* Michaux. Bigleaf Magnolia. 2130 (P)(Pub)
5. *M. tripetala* (Linnaeus) Linnaeus. Umbrella Magnolia; Umbrella Tree. 597 (RV)(Pub), 1014 (P)(Pub), 1726 (P)(Priv)
6. *M. virginiana* Linnaeus var. *australis* Sargent. Southern Sweet Bay. 2205 (P)(Priv)

**84. MALVACEAE** de Jussieu 1789  
(Mallow Family)

**1. *Hibiscus*** Linnaeus 1753  
(HIBISCUS, ROSE-MALLOW)

1. *H. laevis* Allioni. Smooth Rose Mallow; Halberd Leaf Rose Mallow; Showy Hibiscus. 2143 (RV-Rec)(Pub)
2. *H. moscheutos* Linnaeus. Common Marsh Mallow; Crimson Marsh Mallow. 5 Aug 1982, R. Whetstone (JSU132033)
3. *H. syriacus* Linnaeus. Rose of Sharon; Althaea. 986 (P-Rec)(Pub)

**2. *Modiola*** Moench 1794  
(BRISTLY-MALLOW)

1. *M. caroliniana* (Linnaeus) G. Don. Bristly Mallow. 14 Apr 2016, A. Tuggle (AUA-ACC067600)

**3. *Sida* Linnaeus 1753**  
(SIDA)

1. ***S. rhombifolia* Linnaeus var. *rhombifolia*. Arrowleaf Sida; Cuban Jute. 523 (P-Rec)(Priv)**
2. *S. spinosa* Linnaeus. Prickly Sida; Prickly Mallow; False Mallow. First documented as part of the flora of Cleburne County on 20 Sept 2015 by D.D. Spaulding (UWAL0034098). 941 (P)(Priv) 1007 (P)(Pub)

**4. *Tilia* Linnaeus 1753**  
(BASSWOOD, WHITEWOOD, LINDEN, LINN)

1. *T. americana* Linnaeus var. *caroliniana* (P. Miller) Castiglioni. Southern Basswood; Carolina Basswood. 8 Sept 1983, C. Nixon (JSU135747)
2. *T. americana* Linnaeus var. *heterophylla* (Ventenat) Loudon. Mountain Basswood; White Basswood. 639 (RV)(Pub) 1774 (P)(Priv)

**85. MAZACEAE Reveal 2011**  
(Mazus Family)

**1. *Mazus* Loureiro 1790**  
(MAZUS)

1. *M. pumilus* (Burman f.) Steenis. Mazus. 560 (P)(Pub), 1233 (P)(Priv), 1239 (P)(Priv)

**86. MELANTHIACEAE Batsch 1793**  
(Bunchflower Family)

**1. *Amianthium* A. Gray 1837**  
(FLY-POISON)

1. *A. muscitoxicum* (Walter) A. Gray. Fly-Poison. 504 (P)(Pub), 761 (RV-Rec)(Pub), 1036 (P)(Priv), 1098 (P)(Priv)

**2. *Melanthium* Linnaeus 1753**  
(BUNCHFLOWER)

1. *M. parviflorum* (Michaux) S. Watson. Mountain Bunchflower. [CON] S1S2/G4. Endemic to the United States of America; present in eight states. Documented in

only seven Alabama counties; all in Northeastern Alabama. Mountain Bunchflower has been documented more often in Cleburne County compared to any other Alabama county. 699 (P)(Priv), 1147 (P)(Pub), 1397 (P)(Pub)

2. *M. virginicum* Linnaeus. Virginia Bunchflower; Bog Bunchflower. 30 Jun 1994, S. Hruska (JSU136338)

**3. *Stenanthium*** (A. Gray) Kunth 1843  
(FEATHERBELLS, FEATHERFLEECE)

1. *S. gramineum* (Ker-Gawler) Morong var. *gramineum*. Eastern Featherbells; Featherfleece. 911 (RV-Rec)(Pub), 1038 (P)(Priv), 1422 (RV)(Pub)

**87. MELASTOMATACEAE** de Jussieu 1789  
(Melastome Family)

**1. *Rhexia*** Linnaeus 1753  
(MEADOW-BEAUTY)

1. *R. mariana* Linnaeus var. *mariana*. Maryland Meadow Beauty; Pale Meadow Beauty. 665 (P)(Priv)
2. *R. virginica* Linnaeus. Virginia Meadow Beauty; Handsome Harry; Deergrass. 1071 (P)(Priv)

**88. MELIACEAE\*\*** de Jussieu 1789  
(Mahogany Family)

**1. *Melia*\*** Linnaeus 1753  
(CHINABERRY)

1. *M. azedarach* Linnaeus. Chinaberry; Persian Lilac; Carolina Mahogany. 1636 (P-Rec)(Priv)

**89. MENISPERMACEAE** de Jussieu 1789  
(Moonseed Family)

**1. *Menispermum*** Linnaeus 1753  
(MOONSEED)



1. *M. canadense* Linnaeus. Moonseed; Yellow Parilla; Canadian Moonseed. Until this collection, Moonseed had only been documented once in Cleburne County, 53 years ago: 17 Jun 1966, R. Clark (NCU00282009). 786 (**RV-Rec**)(Pub), 1452 (P)(Priv)

**2. *Nephroia*** Loureiro 1790  
(CORALBEADS, SNAILSEED)

1. *N. carolina* (Linnaeus) Lian Lian & Wei Wang. Carolina Coralbeads; Carolina Snailseed; Carolina Moonseed. *N. carolina* had previously only been documented once in Cleburne County (fifty-one years ago): 10 Nov 1968, K. Landers (JSU133345) 849 (**P-Rec**)(Priv), 2113 (P)(Priv)

**90. MOLLUGINACEAE** Bartling 1825  
(Carpetweed Family)

**1. *Mollugo*** Linnaeus 1753  
(CARPETWEED)

1. *M. verticillata* Linnaeus. Carpetweed; Indian Chickweed. 1155 (P)(Priv)

**91. MONTIACEAE** Rafinesque 1820  
(Montia Family)

**1. *Claytonia*** Linnaeus 1753  
(SPRING-BEAUTY)

1. *C. virginica* Linnaeus var. *virginica*. Virginia Spring Beauty; Eastern Spring Beauty. Virginia Spring Beauty had previously only been documented once in Cleburne County (fifty years ago): 25 Apr 1969, J. Tudor (JSU133612). 686 (P)(Priv) 1675 (P)(Priv)

**92. MORACEAE** Gaudichaud-Beaupré 1835  
(Mulberry Family)

**1. *Broussonetia*** L'Heritier ex Ventenat 1799  
(PAPER MULBERRY)

1. *B. papyrifera* (Linnaeus) L'Heritier ex Ventenat. Paper Mulberry. This species had previously only been documented once in Cleburne County (forty-seven years ago): 5 May 1973, J. Hollis (AUA-ACC036073). 2081 (P)(Pub)

**2. *Fatoua*\* Gaudichaud-Beaupré 1830  
(CRABWEED)**

1. *F. villosa* (Thunberg) Nakai. Hairy Crabweed; Mulberry Weed. 1254 (P-Rec)(Pub)

**3. *Morus* Linnaeus 1753  
(Mulberry)**

1. *M. rubra* Linnaeus. Red Mulberry. 1 Sept 1972, C. Washington (JSU133936)

**93. MYRICACEAE Richard ex Kunth 1817  
(Bayberry Family)**

**1. *Morella* Loureiro 1790  
(BAYBERRY, WAX-MYRTLE, CANDLEBERRY)**

1. *M. cerifera* (Linnaeus) Small. Common Wax Myrtle; Southern Bayberry. 1488 (P)(Pub)

**94. NARTHECIACEAE Fries ex Bjurzon 1846  
(Bog-Asphodel Family)**

**1. *Aletris* Linnaeus 1753  
(COLIC-ROOT, STARGRASS)**

1. *A. farinosa* Linnaeus. White Colic Root; White Stargrass. 261 (P)(Pub), 315 (P)(Pub), 885 (P)

**95. NYCTAGINACEAE\*\* de Jussieu 1789  
(Four O'Clock Family)**

**1. *Mirabilis*\* Linnaeus 1753**  
(UMBRELLA-WORT, FOUR-O'CLOCK)

1. ***M. jalapa*** Linnaeus var. ***jalapa***. Garden Four O'Clock; Marvel of Peru. 1164 (P-Rec)(Pub)

**96. NYSSACEAE de Jussieu ex Dumortier 1829**  
(Tupelo Family)

**1. *Nyssa* Linnaeus 1753**  
(TUPELO, SOUR GUM, BLACK GUM)

1. *N. aquatic* Linnaeus. Water Tupelo; Tupelo Gum; Cotton Gum. 13 Aug 1957, W. Adams (AUA-ACC0622866)
2. *N. biflora* Walter. Swamp Tupelo; Swamp Black Gum; Water Gum. 708 (P)(Priv)
3. *N. sylvatica* Marshall. Black Gum; Sour Gum. 1114 (P)(Priv), 1795 (P)(Priv)

**97. OLEACEAE Hoffmansegg & Link 1809**  
(Olive Family)

**1. *Chionanthus* Linnaeus 1753**  
(FRINGE TREE, OLD MAN'S BEARD)

1. *C. virginicus* Linnaeus. Fringe Tree; Old Man's Beard. 12 Aug 1992, F. Hutchinson (JSU146211)

**2. *Forsythia*\* Vahl 1804**  
(FORSYTHIA, GOLDEN-BELLS)

1. ***F. viridissima*** Lindley. Green Stem Forsythia; Golden Bells. 1532 (P-Rec)(Pub)

**3. *Fraxinus* Linnaeus 1753**  
(ASH)

1. *F. americana* Linnaeus. White Ash; American Ash. 6 May 1967, J. Reynolds (JSU134787)
2. *F. pennsylvanica* Marshall. Green Ash; Red Ash. 704 (P)(Priv)

**4. *Ligustrum* Linnaeus 1753**  
(PRIVET)

1. *L. sinense* Loureiro. Chinese Privet. 733 (P)(Priv), 2115 (P)(Pub)

**98. ONAGRACEAE** de Jussieu 1789  
(Evening-Primrose Family)

**1. *Epilobium*** Linnaeus 1753  
(WILLOW-HERB)

1. *E. coloratum* Biehler. Bronze Willow Herb; Eastern Willow Herb. [CON] S1/G5. 7 Sept 1874, E. Smith (UNA00019232)

**2. *Ludwigia*** Linnaeus 1753  
(SEEDBOX, WATER-PRIMROSE, WATER-PURSLANE)

1. *L. alternifolia* Linnaeus. Alternate Leave Seedbox; Bushy Seedbox. 972 (P)(Pub) 1059 (P)(Priv)
2. *L. decurrens* Walter. Wingstem Water Primrose; Wing Leaf Primrose. 1092 (P)(Priv)
3. *L. palustris* (Linnaeus) Elliott. Common Water Purslane; Marsh Seedbox. 183 (P)(Priv), 1430 (RV-Rec)(Pub), 1509 (P)(Pub)

**3. *Oenothera*** Linnaeus 1753  
(EVENING-PRIMROSE)

1. *O. biennis* Linnaeus. Common Evening Primrose. 1210 (P)(Pub), 1247 (P)(Pub)
2. *O. fruticosa* Linnaeus var. *fruticosa*. Southern Sundrops. 569 (P)(Priv)
3. *O. laciniata* Hill. Cutleaf Evening Primrose. 967 (P)(Pub)
4. *O. speciosa* Nuttall. White Evening Primrose; Pink Ladies; Showy Evening Primrose. 948 (P-Rec)(Pub)

**99. ORCHIDACEAE** de Jussieu 1789  
(Orchid Family)

**1. *Corallorhiza*** Gagnebin 1755  
(CORALROOT)

1. *C. odontorhiza* (Willdenow) Poiret. Autumn Coral Root; Small Coral Root. [CON] S1S2/G5. Previously only documented twice in Cleburne County: both in

the Piedmont region. 21 Oct 1982 Whetstone 12908 (JSU112899); 7 Oct 1994, S. Hruska 448 (JSU112900). 1443 (**RV-Rec**)(Pub), 1462 (P)(Priv)

**2. *Cypripedium* Linnaeus 1753**  
(LADY'S-SLIPPER)

1. *C. acaule* Aiton. Pink Lady's Slipper; Moccasin Flower. [CON] S3/G5. 11 May 1974, M. Saunders (AUA-ACC032595)
2. *C. parviflorum* Salisbury var. *parviflorum*. Small Yellow Lady's Slipper. 4 Aug 1978, R. Kral (AMAL00007583)
3. *C. parviflorum* Salisbury var. *pubescens* (Willdenow) Knight. Large Yellow Lady's Slipper. 2206 (P)(Priv), 2207 (P)(Priv)

**3. *Galearis* Rafinesque 1833**  
(SHOWY ORCHIS)

1. *G. spectabilis* (Linnaeus) Rafinesque. Showy Orchis; Purple Hooded Orchis. [CON] S3/G5. 30 Apr 1964, Anon. (AUAACC012483)

**4. *Goodyera* R. Brown 1813**  
(RATTLESNAKE ORCHID)

1. *G. pubescens* (Willdenow) R. Brown. Downy Rattlesnake Orchid; Downy Rattlesnake Plantain. 1028 (P)(Pub), 1152 (P)(Pub), 1186 (P)(Pub)

**5. *Isotria* Rafinesque 1808**  
(WHORLED PAGONIA, FIVE-LEAVES, FIVELEAF ORCHID)

1. *I. verticillata* (Muhlenberg ex Willdenow) Rafinesque. Large Whorled Pagonia; Five Leave Orchid. [CON] S2/G5. 9 May 1996, S. Hruska (JSU113504)

**6. *Malaxis* Solander ex Swartz 1788**  
(ADDER'S-MOUTH)

1. *M. unifolia* Michaux. Green Adder's Mouth. 836 (P)(Priv), 1160 (P)(Priv), 1720 (P)(Pub)

**7. *Platanthera* L.C. Richard 1817**  
(FRINGED ORCHID, FRINGELESS ORCHID)

1. *P. ciliaris* (Linnaeus) Lindley. Orange Fringed Orchid; Yellow Fringed Orchid. 1145 (P)(Pub), 1162 (P)(Pub)
2. *P. clavellata* (Michaux) Luer. Small Green Wood Orchid. 910 (**RV-Rec**)(Pub), 1026 (P)(Pub), 1095 (P)(Priv), 1176 (P)(Priv)
3. *P. flava* (Linnaeus) Lindley. Southern Rein Orchid; Southern Gypsy Spike. [CON] S2S3/G4T4. Documented in both the Piedmont and Ridge and Valley

physiographic regions of Cleburne County. Present in approximately twenty-two out of sixty-seven Alabama counties. 697 (**P-Rec**)(Priv), 709 (P)(Priv), 909 (**RV-Rec**)(Pub), 1311 (P)(Priv)

4. *P. lacera* (Michaux) G. Don. Green Fringed Orchid; Ragged Orchid; Ragged Fringed Orchid. [**CON**] **S2/G5**. 16 Jun 1993, S. Oberholster (AUA-ACC071259)

**8. *Spiranthes*** L.C. Richard 1817  
(LADIES' TRESSES, PEARL TWIST, SPIRAL ORCHID)

1. *S. cernua* (Linnaeus) Richard. Nodding Ladies Tresses. 2170 (P)(Priv)
2. *S. lacera* (Rafinesque) Rafinesque var. *gracilis* (Bigelow) Luer. Southern Slender Ladies' Tresses. 187 (P)(Priv), 854 (**RV-Rec**)(Pub), 893 (P)(Pub)
3. *S. praecox* (Walter) S. Watson. Grass Leaved Ladies' Tresses; Giant Ladies' Tresses. 12 Sept 1975, D. Rutland (AUA-ACC028642)
4. *S. tuberosa* Rafinesque. Little Ladies' Tresses; Little Pearl Twist. 927 (P)(Pub)
5. *S. vernalis* Engelman & A. Gray. Spring Ladies' Tresses. 886 (**P-Rec**)(Pub)

**9. *Tipularia*** Nuttall 1818  
(CRANEFLY ORCHID)

1. *T. discolor* (Pursh) Nuttall. Crane-fly Orchid. 1149 (P)(Pub) 1172 (P)(Priv) 1316 (P)(Priv)

**100. OROBANCHACEAE** Ventenat 1799  
(Broomrape Family)

**1. *Agalinis*** Rafinesque 1836  
(AGALINIS, PURPLE FOXGLOVE)

1. *A. fasciculata* (Elliott) Rafinesque. Beach False Foxglove. 12 Sept 1975, D. Rutland (AUA-ACC029552)
2. *A. obtusifolia* Rafinesque. Blunt Leaf False Foxglove. 12 Sept 1975, D. Rutland (AUA-ACC029761)
3. *A. plukenetii* (Elliott) Rafinesque. Plukenet's Agalinis. 16 Sept 1971, R. Kral (FSU000172212)
4. *A. purpurea* (Linnaeus) Pennell. Common Agalinis. 1374 (P)(Pub), 1411 (P)(Pub)
5. *A. setacea* (J.F. Gmelin) Rafinesque. Threadleaf Agalinis. 22 Sept 2002, D.D. Spaulding (11630)
6. *A. tenella* Pennell. Delicate Agalinis. 28 Sept 1992, M. Ballard (JSU138820)
7. *A. tenuifolia* (Vahl) Rafinesque. Slenderleaf Agalinis. 2 Oct 2000, D.D. Spaulding (10955)

**2. *Aureolaria* Rafinesque 1836**  
(OAK LEECH, FALSE FOXGLOVE)

1. *A. flava* (Linnaeus) Farwell. Smooth Yellow Foxglove; Smooth Oak Leech. First documented in Cleburne County on 19 Sept 1874, E. Smith (UNA00041482). 364 (P)(Priv), 1445 (RV)(Pub)
2. *A. levigata* (Rafinesque) Rafinesque. Entire Leaf False Foxglove; Appalachian Oak Leach. 6 Sept 1974, T. Atkinson (JSU138865)
3. *A. pectinata* (Nuttall) Pennell. Sticky False Foxglove; Southern Oak Leach. 15 Sept 2002, D.D. Spaulding (11623)
4. *A. virginica* (Linnaeus) Pennell. Downy False Foxglove. 169 (P)(Priv), 274 (P)(Pub), 442 (P)(Pub), 595 (RV)(Pub), 800 (RV)(Pub), 1165 (P)(Priv)

**3. *Buchnera*\* Linnaeus 1753**  
(BLUEHEARTS)

1. *B. floridana* Gandoger. Florida Bluehearts; Savanna Bluehearts. 291 (**P-Rec**)(Pub)

**4. *Castilleja* Mutis ex Linnaeus f. 1782**  
(PAINTBRUSH)

1. *C. indivisa* Engelm. Texas Paintbrush. 14 Apr 2006, A. Tuggle (AUA-ACC067589)

**5. *Epifagus* Nuttall 1818**  
(BEECHDROPS)

1. *E. virginiana* (Linnaeus) W. Barton. Beechdrops. 1017 (P)(Pub), 2175 (P)(Pub)

**6. *Pedicularis* Linnaeus 1753**  
(WOOD BETONY, LOUSEWORT)

1. *P. canadensis* Linnaeus. Canadian Lousewort; Eastern Lousewort; Wood Betony. 237 (P)(Pub) 1576 (P)(Pub) 1600 (RV)(Pub)

**7. *Seymeria* Pursh 1814**  
(SEYMERIA, BLACKSENNA)

1. *S. cassioides* (J.F. Gmelin) Blake. Senna Seymeria; Yaupon Blacksen. 27 Sept 1984, C. Nixon (JSU137785)

**101. OXALIDACEAE R. Brown 1818**

(Wood Sorrel Family)

1. *Oxalis* Linnaeus 1753  
(WOOD SORREL, OXALIS)

1. *O. articulata* Savigny in Lamarck. Windowbox Wood Sorrel; Red Oxalis. 988 (**P-Rec**)(Pub)
2. *O. colorea* (Small) Fedde. Small's Wood Sorrel; Colored Wood Sorrel. 1716 (**RV-Rec**)(Pub), 2037 (P)(Priv)
3. *O. dillenii* Jacquin. Gray Green Wood Sorrel; Sour Grass. 12 Apr 1994, S. Hruska (JSU112096)
4. *O. florida* Salisbury. Slender Wood Sorrel; Tufted Wood Sorrel. 10 Apr 1993, F. Hutchinson (JSU144446)
5. *O. stricta* Linnaeus. Common Yellow Wood Sorrel. 104 (**P-Rec**)(Priv), 1206 (P)(Pub), 1211 (P)(Priv), 1601 (RV)(Pub), 2019 (P)(Priv)
6. *O. violacea* Linnaeus. Violet Wood Sorrel; Violet Sour Grass. 1577 (P)(Pub), 1908 (**RV-Rec**)(Pub)

102. PAPAVERACEAE de Jussieu 1789  
(Poppy Family)

1. *Papaver* Linnaeus 1753  
(POPPY)

1. *P. rhoeas* Linnaeus. Corn Poppy; Field Poppy; Red Poppy. First documented as an element of the flora of Cleburne County on 21 May 1993, D.D. Spaulding (JSU141819).

2. *Sanguinaria* Linnaeus 1753  
(BLOODROOT)

1. *S. canadensis* Linnaeus. Bloodroot; Red Puccoon. 1579 (RV)(Pub)

103. PARNASSIACEAE Martinov 1820  
(Grass of Parnassus Family)

1. *Parnassia* Linnaeus 1753  
(GRASS OF PARNASSUS, PARNASSIA)



1. *P. asarifolia* Ventenat. Kidney Leaf Grass of Parnassus. [CON] S2/G4. 1388 (P)(Pub)

**104. PASSIFLORACEAE** de Jussieu ex Roussel 1806  
(Passionflower Family)

**1. *Passiflora*** Linnaeus 1753  
(PASSIONFLOWER)

1. *P. incarnata* Linnaeus. Purple Passion Flower; Maypops. 828 (RV)(Pub)
2. *P. lutea* Linnaeus. Yellow Passion Flower; Little Passion Flower. 514 (P-Rec)(Priv) 625 (RV-Rec)(Pub) 633 (RV)(Pub) 904 (P)(Pub) 1486 (P)(Priv)

**105. PAULOWNIACEAE** Nakai 1949  
(Paulownia Family)

**1. *Paulownia*** Siebold & Zuccarini 1835  
(PRINCESS TREE)

1. *P. tomentosa* (Thunberg) Siebold & Zuccarini ex Steudel. Princess Tree; Empress Tree.

**106. PENTHORACEAE** Rydberg ex Britton 1901  
(Penthorum Family)

**1. *Penthorum*** Linnaeus 1753  
(PENTHORUM, DITCH-STONECROP)

1. *P. sedoides* Linnaeus. Ditch Stonecrop; Marsh Stonecrop; American Penthorum. 995 (P)(Priv)

**107. PHRYMACEAE** Schauer 1847  
(Lopseed Family)

**1. *Mimulus*** Linnaeus 1753  
(MONKEYFLOWER)

1. *M. alatus* Aiton. Winged Monkey Flower. 1070 (P)(Pub)
2. *M. ringens* Linnaeus var. *ringens*. Allegheny Monkey Flower. Until now, this variety has only been documented once in Cleburne County (fifty years ago): 2 Aug 1969, H. Ellis (AUA-ACC017207). 935 (P)(Priv) 1237 (P)(Priv)

**2. *Phryma* Linnaeus 1753**  
(LOPSEED)

1. *P. leptostachya* Linnaeus. American Lopseed. 801 (**RV-Rec**)(Pub), 843 (P)(Priv), 1012 (P)(Pub)

**108. PHYLLANTHACEAE\*\* Martinov 1820**  
(Leaf Flower Family)

**1. *Phyllanthus*\* Linnaeus 1753**  
(LEAF FLOWER)

1. *P. tenellus* Roxburgh. Mascarene Island Leaf Flower. 1997 (**P-Rec**)(Priv)
2. *P. urinaria* Linnaeus. Chamber Bitter; Gripweed; Peewater Leaf Flower. Noxious weed in Alabama. 1373 (**P-Rec**)(Priv)

**109. PHYTOLACCACEAE R. Brown 1818**  
(Pokeweed Family)

**1. *Phytolacca* Linnaeus 1753**  
(POKEWEED)

1. *P. americana* Linnaeus. Common Pokeweed. 198 (P)(Priv)

**110. PLANTAGINACEAE A.L. de Jussieu 1789**  
(Plantain Family)

**1. *Chelone* Linnaeus 1753**  
(TURTLEHEAD)

1. *C. glabra* Linnaeus. White Turtlehead; Snakehead. 1296 (P)(Priv), 1350 (P)(Priv), 2173 (P)(Priv)

**2. *Gratiola* Linnaeus 1753**  
(HEDGE-HYSSOP)

1. *G. floridana* Nuttall. Florida Hedge Hyssop. 2200 (P)(Priv)
2. *G. neglecta* Torrey. Clammy Hedge Hyssop; Mud Hyssop. 971 (P)(Pub)
3. *G. virginiana* Linnaeus. Virginia Hedge Hyssop; Round Fruit Hedge Hyssop. 1 Sept 2002, D.D. Spaulding (UNA00059460)

**3. *Leucospora*\* Nuttall 1834**  
(LEUCOSPORA)

1. *L. multifida* (Michaux) Nuttall. Leucospora; Narrowleaf Paleseed. 2110 (P-Rec)(Pub)

**4. *Linaria* P. Miller 1754**  
(YELLOW-TOADFLAX)

1. *L. canadensis* (Linnaeus) Dumont de Courset. Common Toadflax; Oldfield Toadflax. 201 (P)(Priv), 1657 (P)(Pub)

**5. *Mecardonia*\* Ruiz & Pavon 1794**  
(MECARDONIA, AXIL-FLOWER)

1. *M. acuminata* (Walter) Small var. *acuminata*. Mecardonia; Common Axil Flower; Blackening Hedge Hyssop.

**6. *Penstemon* Schmidel 1763**  
(BEARDTONGUE, PENSTEMON)

1. *P. australis* Small. Southern Beardtongue; Sandhill Beardtongue. 780 (RV)(Pub)
2. *P. canescens* Britton. Appalachian Beardtongue. 2 Jun 1983, M. Bussey (JSU141502)
3. *P. laevigatus* Aiton. Eastern Smooth Beardtongue. 1779 (P-Rec)(Pub), 1808 (P)(Priv), 1809 (P)(Pub)
4. *P. pallidus* Small. Pale Beardtongue; White Beardtongue. 2177 (P)(Priv)

**7. *Plantago* Linnaeus 1753**  
(PLANTAIN)

1. *P. aristata* Michaux. Large Bract Plantain; Bracted Plantain. 559 (P)(Pub), 757 (RV-Rec)(Pub), 897 (P)(Pub)
2. *P. lanceolata* Linnaeus. English Plantain; Rib Grass. 729 (P)(Priv)

3. *P. rugelii* Decaisne. Black Seed Plantain; American Plantain. 392 (P)(Pub), 858 (RV-Rec)(Pub)
4. *P. virginica* Linnaeus. Virginia Plantain; Southern Plantain. 1871 (P)(Priv)

**8. *Veronica* Linnaeus 1753**  
(SPEEDWELL)

1. *V. arvensis* Linnaeus. Corn Speedwell; Wall Speedwell. 679 (P)(Priv), 1872 (P)(Priv)
2. *V. hederifolia* Linnaeus. Ivy Leaf Speedwell. 1519 (P-Rec)(Pub)
3. *V. peregrina* Linnaeus var. *peregrina*. Common Purslane Speedwell; Neckweed. 1619 (P)(Priv)
4. *V. persica* Poiret. Bird's Eye Speedwell. 1501 (P)(Pub)

**111. PLATANACEAE T. Lestiboudois 1826**  
(Plane-Tree Family)

**1. *Platanus* Linnaeus 1753**  
(PLANE-TREE, SYCAMORE)

1. *P. occidentalis* Linnaeus. Sycamore; Plane-Tree. 2131 (P)(Pub)

**112. POACEAE Barnhart 1895**  
(Grass Family)

**1. *Agrostis* Linnaeus 1753**  
(BENTGRASS)

1. *A. hyemalis* (Walter) Britton Sterns, & Poggenburg. Ticklegrass; Small Bentgrass. 125, 2078 (P)(Priv)
2. *A. perennans* (Walter) Tuckerman. Upland Bent; Autumn Bentgrass. 212 (P)(Priv), 2089 (P)(Pub)
3. *A. scabra* Willdenow. Rough Bentgrass; Fly Away Grass. 7 Oct 1996, S. Hruska (JSU102685)

**2. *Aira* Linnaeus 1753**  
(HAIR GRASS)

1. *A. elegans* Willdenow ex Roemer & J.A. Schultes. Elegant Hair Grass; Annual Silver Hair Grass. 1983 (P)(Pub)

**3. *Alopecurus*\*** Linnaeus 1753  
(FOXTAIL GRASS)

1. *A. carolinianus* Walter. Carolina Foxtail; Tufted Meadow Foxtail. 1804 (**P-Rec**)(Priv)

**4. *Andropogon*** Linnaeus 1753  
(BROOMSEDGE, BLUESTEM)

1. *A. gerardi* Vitman. Big Bluestem; Turkey Foot. 11 Sept 1983, M. Bussey (JSU102734)
2. *A. glomeratus* (Walter) Britton, Sterns, & Poggenburg. Common Bushy Bluestem. 1407 (**P-Rec**)(Pub)
3. *A. ternarius* Michaux. Splitbeard Bluestem. 1379 (P)(Pub)
4. *A. virginicus* Linnaeus. Broom Sedge; Virginia Bluestem. 21 Oct 1982, R. Whetstone (JSU106001)

**5. *Anthoxanthum*** Linnaeus 1753  
(VERNAL GRASS)

1. *A. odoratum* Linnaeus. Sweet Vernal Grass. (†) 1900 (**RV-Rec**)(Pub)

**6. *Aristida*** Linnaeus 1753  
(THREE-AWN GRASS)

1. *A. dichotoma* Michaux. Fork-Tip Three-Awn; Poverty Grass; Church Mouse Three-Awn. 26 Oct 1994, S. Hruska (JSU102758)
2. *A. oligantha* Michaux. Prairie Three-Awn; Oldfield Three-Awn. 1336 (**P-Rec**)(Pub)

**7. *Arundinaria*** Michaux 1803  
(CANE)

1. *A. gigantea* (Walter) Muhlenberg. Giant Cane; River Cane; Large Cane. 424 (P)(Pub), 469 (P)(Pub), 1542 (**RV-Rec**)(Pub), 1550 (RV)(Pub)
2. *A. species 1*. Alabama Cane. Species unnamed; currently under study of Dr. Jimmy Triplett at Jacksonville State University. 703 (P)(Priv), 2104 (P)(Priv)

**8. *Arthraxon*** Palisot de Beauvois 1812  
(BASKET GRASS)

1. *A. hispidus* (Thunberg) Makino var. *hispidus*. Basket Grass; Small Carpet Grass. 23 Sept 1982, M. Bussey (JSU106026)

**9. *Arundo*\*** Linnaeus 1753

(GIANT REED)

1. *A. donax* Linnaeus. Giant Reed. (†) 1389 (**P-Rec**)(Pub)

**10. *Avena*\*** Linnaeus 1753  
(OATS)

1. *A. sativa* Linnaeus. Common Oats. (†) 142 (**P-Rec**)(Pub)

**11. *Axonopus*** Palisot de Beauvois 1812  
(CARPETGRASS)

1. *A. fissifolius* (Raddi) Kuhlmann. Common Carpetgrass. 210 (P)(Priv), 1970 (P)(Priv)

**12. *Bothriichloa*** Kuntze 1891  
(BEARDGRASS, CANE BLUESTEM)

1. *B. torreyana* (Steudel) Scrivanti & Anton. Silver Bluestem. (†) 1 Oct 1996, S. Hruska (JSU106607)

**13. *Brachyelytrum*** Palisot de Beauvois 1812  
(SHORTHUSK)

1. *B. erectum* (Schreber) Palisot de Beauvois. Common Shorthusk; Bearded Shorthusk; Long-Awned Wood Grass. 1018 (P)(Pub)

**14. *Briza*\*** Linnaeus 1753  
(QUAKING GRASS)

1. *B. minor* Linnaeus. Lesser Quaking Grass; Little Quaking Grass. (†) 682 (**P-Rec**)(Priv) 1759 (P)(Priv)

**15. *Bromus*** Linnaeus 1753  
(BROME-GRASS, BROME)

1. *B. catharticus* Vahl var. *catharticus*. Rescue Grass. (†) Previously only documented once in Cleburne County (forty years ago): 9 May 1979, R. Whetstone (JSU106648). 157 (P)(Priv), 2080 (P)(Priv)
2. *B. commutatus* Schrader. Hairy Chess; Meadow Brome. (†) 681 (P)(Priv), 1822 (RV)(Pub)
3. *B. hordeaceus* Linnaeus ssp. *hordeaceus*. Soft Chess; Lop Grass. (†) 134 (P)(Pub)
4. *B. japonicus* Thunberg. Japanese Bromegrass; Japanese Chess. (†) 132 (P)(Pub), 140 (**P-Rec**)(Pub), 211 (P)(Priv), 1812 (P)(Priv)

5. *B. pubescens* Muhlenberg ex Willdenow. Hairy Woodland Brome; Common Eastern Brome; Canada Brome. 265 (**P-Rec**)(Pub), 631 (RV)(Pub), 1764 (P)(Priv)
6. *B. secalinus* Linnaeus. Cheat; Common Chess; Rye Brome. (†) 113 (P)(Priv)

**16. *Chasmanthium*** Link 1827  
(SPANGLEGRASS, SPIKEGRASS)

1. *C. latifolium* (Michaux) Yates. River Oats; Indian Wood Oats; Fish on a Pole. 522 (P)(Priv), 970 (P)(Pub)
2. *C. laxum* (Linnaeus) Yates. Slender Spikegrass; Slender Wood Oats. 975 (P)(Pub)
3. *C. sessiliflorum* (Poiret) Yates var. *sessiliflorum*. Longleaf Spikegrass. 835 (P)(Priv)

**17. *Cinna*** Linnaeus 1753  
(WOODREED)

1. *C. arundinacea* Linnaeus. Common Wood Reed; Stout Wood Reed. 1324 (P)(Pub)

**18. *Coleataenia*** Grisebach 1879  
(PANIC GRASS)

1. *C. anceps* (Michaux) Soreng ssp. *anceps*. Beaked Panic Grass; Beaked Cut Throat Grass. 1062 (P)(Priv) 1168 (P)(Pub)
2. *C. rigidula* (Bosc ex Nees) LeBlond ssp. *rigidula*. Redtop Panic Grass; Bent Panic Grass. 1250 (P)(Pub)
3. *C. stipitata* (Nash) LeBlond. Tall Flat Panic Grass. 28 Sept 2014, D.D. Spaulding (UWAL0031041) with M.T. Spaulding. (P)(Priv)

**19. *Cynodon*** L.C. Richard 1805  
(BERMUDA GRASS)

1. *C. dactylon* (Linnaeus) Persoon. Bermuda Grass. (†) 2109 (P)(Pub)

**20. *Dactylis*** Linnaeus 1753  
(ORCHARD GRASS)

1. *D. glomerata* Linnaeus. Orchard Grass; Cock's Foot. (†) 722 (P)(Priv), 1811 (P)(Priv)

**21. *Danthonia*** A.P. de Candolle 1805  
(OAT-GRASS)

1. *D. sericea* Nuttall. Downy Oatgrass; Silky Oatgrass. 12 May 1983, M. Bussey (JSU108468)

2. *D. spicata* (Linnaeus) Palisot de Beauvois ex Roemer & J.A. Schultes. Poverty Oatgrass. 156 (P)(Priv)

**22. *Dichanthelium*** (A.S. Hitchcock & Chase) Gould 1974  
(WITCHGRASS)

1. *D. aciculare* (Desvaux ex Poiret) Gould & Clark. Needle-Leaf Witch Grass. 669 (P-Rec)(Priv)
2. *D. acuminatum* (Swartz) Gould & Clark var. *acuminatum*. Woolly Witch Grass. 21 May 2017, D.D. Spaulding (14770) with M.T. Spaulding. 118 (P)(Priv)
3. *D. acuminatum* (Swartz) Gould & Clark var. *lindheimeri* (Nash) Gould & Clark. Lindheimer's Witch Grass. 2 Jun 2002, D.D. Spaulding (UNA00059406)
4. *D. boscii* (Poiret) Gould & Clark. Bosc's Witch Grass; Bosc's Panic Grass. 116 (P)(Priv), 226 (P)(Priv), 453 (P)(Pub), 555 (P)(Priv), 573 (P)(Priv)
5. *D. clandestinum* (Linnaeus) Gould. Deer Tongue Witch Grass. 1029 (P)(Pub)
6. *D. commutatum* (J.A. Schultes) Gould ssp. *ashei* (Pearson ex Ashe) Freckman & Lelong. Ashe's Witchgrass. 19 Aug 1980, R. Whetstone (JSU10895)
7. *D. commutatum* (J.A. Schultes) Gould ssp. *commutatum*. Variable Witch Grass. 28 Apr 1976, T. Atkinson (JSU108966)
8. *D. commutatum* (J.A. Schultes) Gould ssp. *joorii* (Vasey) Freckman & Lelong. 365 (P)(Priv), 710 (P)(Priv)
9. *D. dichotomum* (Linnaeus) Gould var. *dichotomum*. Forked Witch Grass. 388 (P)(Pub), 449 (P)(Pub), 1988 (P)(Priv)
10. *D. laxiflorum* (Lamarck) Gould. Open Flower Witch Grass. 21 May 2017, D.D. Spaulding (14771) with M.T. Spaulding. 565 (P)(Priv)
11. *D. microcarpon* (Muhlenberg ex Elliott) Mohlenbrock. Small-Fruited Witch Grass. 572 (P)(Priv)
12. *D. polyanthes* (J.A. Schultes) Mohlenbrock. Many Flower Witch Grass. 146 (P)(Pub), 370 (P)(Priv), 619 (RV-Rec)(Pub) 1960 (RV)(Pub)
13. *D. ravenelii* (Lamson-Scribner & Merrill) Gould. Ravenel's Witch Grass. 25 May 2015, D.D. Spaulding (14,269) with M.T. Spaulding, and three of our children: Kailey and Kaitlyn Hendrix and Savannah Spaulding. (P)(Pub)
14. *D. scoparium* (Lamarck) Gould. Velvet Witch Grass. 173 (P)(Priv)
15. *D. sphaerocarpon* (Elliott) Gould. Round Fruited Witch Grass. 412 (P)(Pub), 413 (P)(Pub)

**23. *Digitaria*** Haller 1768  
(CRAB GRASS)

1. *D. ciliaris* (Retzius) Köler. Southern Crabgrass. 1179 (P)(Priv)
2. *D. ischaemum* (Schreber) Muhlenberg. Smooth Crabgrass. (†) 1339 (P)(Priv)
3. *D. violascens* Link. Violet Crabgrass. (†) 23 Sept 1982, M. Bussey (JSU109506)

**24. *Echinochloa*** Palisot de Beauvois 1812  
(BARNYARD-GRASS, JUNGLE-RICE)



1. *E. colonum* (Linnaeus) Link. Jungle Rice. (†) 1004 (**P-Rec**)(Pub) 1180 (P)(Priv)
2. *E. crusgalli* (Linnaeus) Palisot de Beauvois var. *crusgalli*. Barnyard Grass. (†) 954 (P)(Pub)
3. *E. muricata* (Palisot de Beauvois) Fernald var. *microstachya* Wiegand. (†) Rough Barnyard Grass. 1320 (P)(Pub)

**25. Eleusine** Gaertner 1788  
(YARD GRASS)

1. *E. indica* (Linnaeus) Gaertner. Goose Grass; Yard Grass. (†) 962 (P)(Pub)

**26. Elymus** Linnaeus 1753  
(WILD-RYE, RYE GRASS)

1. *E. glabriflorus* (Vasey) Lamson-Scribner & C.R. Ball var. *glabriflorus*. Southeastern Wild Rye. 495 (P)(Pub), 999 (P)(Pub)
2. *E. virginicus* Linnaeus. Virginia Wild Rye; Common Eastern Wild Rye. 259 (P)(Pub), 784 (RV)(Pub)

**27. Eragrostis** Wolf 1776  
(LOVEGRASS)

1. *E. curvula* (Schrader) Nees. Weeping Lovegrass. (†) 12 Jul 1993, M. Ballard (JSU101524)
2. *E. hirsuta* (Michaux) Nees. Big Top Lovegrass. 1349 (**P-Rec**)(Priv)
3. *E. minor* Host. Little Lovegrass. (†) 946 (**P-Rec**)(Pub) 1994 (P)(Pub)
4. *E. pectinacea* (Michaux) Nees ex Steudel var. *pectinacea*. Carolina Lovegrass. 11 Oct 2015, D.D. Spaulding (UWAL0034101)
5. *E. spectabilis* (Pursh) Steudel. Purple Lovegrass; Tumblegrass. 1202 (P)(Priv)

**28. Eremochloa\*** Büse 1852  
(CENTIPEDE GRASS)

1. *E. ophiuroides* (Munro) Hackel. Centipede Grass. (†) 1068 (**P-Rec**)(Priv)

**29. Erianthus** Michaux 1803  
(PLUMEGRASS)

1. *E. alopecuroides* (Linnaeus) Elliott. Silver Plume Grass. 1416 (P)(Pub)
2. *E. contortus* Elliott. Bent Awn Plume Grass. 1330 (P)(Pub)
3. *E. giganteus* (Walter) Palisot de Beauvois. Giant Plume Grass; Sugarcane Plume Grass. 2016 (**P-Rec**)(Pub)

**30. Festuca** Linnaeus 1753  
(FESCUE)

1. *F. myuros* Linnaeus. Rat Tail Fescue. (†) 2 Jun 2002, D.D. Spaulding (UNA00059413)
2. *F. octoflora* Walter var. *octoflora*. Southern Six Weeks Fescue. 9 May 1979, R. Whetstone (JSU105613)
3. *F. subverticillata* (Persoon) Alexeev. Nodding Fescue. 1001 (P)(Pub), 1955 (P)(Pub), 2079

**31. *Glyceria*** R. Brown 1810  
(MANNAGRASS)

1. *G. striata* (Lamarck) A.S. Hitchcock var. *striata*. Fowl Manna Grass. First documented as part of the Cleburne County flora on 23 Apr 2017, D.D. Spaulding (UWAL0037840). 2070 (P)(Priv)

**32. *Greeneochloa*** P.M. Peterson, Soreng, Romaschenko & Barbera 2019  
(REEDGRASS)

1. *G. coarctata* (Eaton) P.M. Peterson, Soreng, Romaschenko, & Barbera. Nuttall's Reed Grass. 6 Sept 1982, M. Bussey (JSU156420)

**33. *Gymnopogon*** Palisot de Beauvois 1812  
(SKELETON GRASS, BEARD GRASS)

1. *G. brevifolius* Trinius. Pineland Skeleton Grass; Pineland Beard Grass. 21 Oct 1982, R. Whetstone (JSU101985)

**34. *Hordeum*** Linnaeus 1753  
(BARLEY)

1. *H. pusillum* Nuttall. Little Barley. 141 (P)(Pub) 255 (P)(Pub), 724 (P)(Priv)

**35. *Imperata*** Cirillo 1792  
(COGONGRASS, SATINTAIL)

1. *I. cylindrica* (Linnaeus) Palisot de Beauvois. Cogongrass. (†) Documented once in Cleburne County as an element of the flora on 2 Jun 2002, D.D. Spaulding (TROY000027394).

**36. *Leersia*** Swartz 1788  
(CUTGRASS)

1. *L. oryzoides* (Linnaeus) Swartz. Rice Cutgrass. 2145 (RV-Rec)(Pub)
2. *L. virginica* Willdenow. White Cutgrass; Virginia Cutgrass. 1351 (P)(Priv)

**37. *Lolium*** Linnaeus 1753

(RYE-GRASS, DARNEL, FESCUE)

1. *L. arundinaceum* (Schreber) Darbyshire. Tall Fescue. (†) 151 (P)(Pub), 1265 (P)(Pub)
2. *L. multiflorum* Lamarck. Italian Rye Grass; Annual Ryegrass. (†) 16 May 1976, D. Rutland (AUA000017852)
3. *L. perenne* Linnaeus. English Rye Grass; Perennial Ryegrass. (†) 137 (P)(Pub)
4. *L. pratense* (Hudson) Darbyshire. Meadow Fescue. (†) 718 (P-Rec)(Priv), 725 (P)(Priv)

**38. *Luziola*** Antoine Laurent de Jussieu 1789

(SOUTHERN WATER GRASS)

1. *L. fluitans* (Michaux) Terrell & H. Robinson var. *fluitans*. Southern Water Grass. 444 (P)(Pub)

**39. *Melica*** Linnaeus 1753

(MELIC)

1. *M. mutica* Walter. Two-Flowered Melic Grass. 2187 (P)(Priv)

**40. *Microstegium*** Nees in Lindley 1836

(SASA-GRASS, JAPANESE-GRASS)

1. *M. vimineum* (Trinius) A. Camus. Nepal Grass; Japanese Stilt Grass. (†) 2116 (P)(Pub)

**41. *Miscanthus*** Andersson 1855

(EULALIA)

1. *M. sinensis* Andersson. Zebra Grass; Chinese Silvergrass. (†) 1450 (RV)(Pub)

**42. *Muhlenbergia*** Schreber 1789

(MUHLY)

1. *M. schreberi* J.F. Gmelin. Nimble-Will. 2101 (P)(Priv)

**43. *Panicum*** Linnaeus 1753

(PANIC GRASS)

1. *P. dichotomiflorum* Michaux var. *dichotomiflorum*. Fall Panic Grass; Spreading Witchgrass. 1388 (P)(Priv)
2. *P. virgatum* Linnaeus var. *virgatum*. Switchgrass. 1214 (P)(Pub)

**44. *Paspalum*** Linnaeus 1759

(PASPALUM, CROWN GRASS, BEADGRASS)

1. *P. dilatatum* Poiret ssp. *dilatatum*. Dallas Grass. (†) 938 (P)(Priv)
2. *P. floridanum* Michaux. Florida Paspalum. 2138 (RV-Rec)(Pub)
3. *P. laeve* Michaux var. *laeve*. Crowngrass. 2 Sept 1983, M. Bussey (JSU100396)
4. *P. notatum* Flugge. Bahia Grass. (†) 12 Sept 1975, D. Rutland (AUA000018478)
5. *P. pubiflorum* Ruprecht var. *glabrum* Vasey. Hairy Seed Crowngrass. 1992 (P-Rec)(Priv)
6. *P. setaceum* Michaux var. *ciliatifolium* (Michaux) Vasey. 1968 (P-Rec)(Pub)
7. *P. urvillei* Steudel. Vasey Grass. (†) 195 (P)(Pub), 957 (P)(Pub)

**45. *Phyllostachys*\*** Siebold & Zuccarini 1843  
(BAMBOO)

1. *P. aurea* Carriere ex C. Riviere. Golden Bamboo; Fishpole Bamboo. (†) 1788 (P-Rec)(Priv)
2. *P. bambusoides* Siebold & Zuccarini. Giant Timber Bamboo. (†) 2006 (P-Rec)(Pub)

**46. *Piptochaetium*** J. Presl 1830  
(NEEDLEGRASS)

1. *P. avenaceum* (Linnaeus) Parodi. Eastern Needlegrass; Black Oatgrass; Blackseed Speargrass. 30 Apr 2004, R. Kral (TROY000027352)

**47. *Poa*** Linnaeus 1753  
(BLUEGRASS)

1. *P. annua* Linnaeus. Annual Bluegrass. (†) 22 Mar 2016, D.D. Spaulding (14469)
2. *P. autumnalis* Muhlenberg ex Elliott. Bluegrass. 1877 (P)(Pub), 1917 (RV-Rec)(Pub), 2074 (P)(Priv)
3. *P. compressa* Linnaeus. Flat-Stemmed Meadow-Grass; English Bluegrass. (†) 1870 (P-Rec)(Pub), 2076 (P)(Priv)
4. *P. cuspidata* Nuttall. Early Bluegrass; Toothed Bluegrass. 1573 (P)(Priv), 1547 (RV)(Pub)
5. *P. pratensis* Linnaeus ssp. *pratensis*. Kentucky Bluegrass; Junegrass. (†) 16 May 1976, D. Rutland (AUA000018905)
6. *P. sylvestris* A. Gray. Forest Bluegrass; Woodland Bluegrass. 2028 (P)(Pub), 2039 (P)(Priv)

**48. *Schizachyrium*** Nees 1829  
(LITTLE BLUESTEM)

1. *S. scoparium* (Michaux) Nash var. *scoparium*. Common Little Bluestem. 1473 (P)(Pub), 2010 (P)(Pub)

**49. *Secale*** Linnaeus 1753

(RYE)

1. *S. cereale* Linnaeus. Rye. (†) 21 May 2017, D.D. Spaulding (UWAL0037829)

**50. *Setaria*** Palisot de Beauvois 1807  
(FOXTAIL GRASS)

1. *S. faberi* R.A.W. Herrmann. Nodding Foxtail Grass; Giant Foxtail Grass; Japanese Bristlegrass. (†) 925 (**RV-Rec**)(Pub)
2. *S. parviflora* (Poiret) Kerguelén. Knotroot Bristlegrass; Knotroot Foxtail. 1193 (P)(Pub), 1971 (P)(Priv)
3. *S. pumila* (Poiret) Roemer & J.A. Schultes. Yellow Foxtail; Yellow Bristlegrass. (†) 950 (P)(Pub), 1972 (P)(Priv)
4. *S. viridis* (Linnaeus) Palisot de Beauvois var. *viridis*. KEY – Double check to make sure it's not NOT var. major. (†) 2107(P)

**51. *Sorghastrum*** Nash 1901  
(INDIANGRASS)

1. *S. nutans* (Linnaeus) Nash. Yellow Indiangrass. 1 Sept 2002, D.D. Spaulding (UNA00059470)

**52. *Sorghum*** Moench 1794  
(SORGHUM, MILO, JOHNSON GRASS)

1. *S. halepense* (Linnaeus) Persoon. Johnson Grass. (†) 1169 (P)(Pub)

**53. *Sphenopholis*** Lamson-Scribner 1906  
(WEDGEGRASS)

1. *S. nitida* (Biehler) Lamson-Scribner. Shiny Wedge Scale. 1739 (P)(Priv), 1752 (P)(Pub)
2. *S. obtusata* (Michaux) Lamson-Scribner. Prairie Wedge Scale. Early Bunchgrass. 149 (P)(Pub), 2067 (P)(Priv)
3. *S. pensylvanica* (Linnaeus) A.S. Hitchcock. Swamp Oats. 2 Jun 2002, D.D. Spaulding (UNA00059410)

**54. *Sporobolus*\*** R. Brown 1810  
(DROPSEED)

1. *S. indicus* (Linnaeus) R. Brown. Smut Grass; Black Seed; West Indian Dropseed. (†) 1993 (**P-Rec**)(Pub)
2. *S. vaginiflorus* (Torrey ex A. Gray) Alph. Wood. Poverty Grass; Poverty Dropseed; Sheathed Rush-Grass. 2108 (**P-Rec**)

**55. *Steinchisma*\*** Rafinesque 1830  
(GAPING PANIC GRASS)

1. *S. hians* (Elliott) Nash. Gaping Panic Grass. 1969 (P-Rec)(Priv)

**56. *Tridens*** Roemer & J.A. Schultes 1817  
(TRIODIA, REDTOP, TRIDENS, FLUFFGRASS)

1. *T. flavus* (Linnaeus) A.S. Hitchcock. Purple-Top; Red-Top; Tall Red-Top; Greasy Grass. 1166 (P)(Priv)

**57. *Tripsacum*\*** Linnaeus 1759  
(GAMA GRASS)

1. *T. dactyloides* (Linnaeus) Linnaeus var. *dactyloides*. Eastern Gamma Grass. 1973 (P-Rec)(Pub)

**58. *Triticum*** Linnaeus 1753  
(WHEAT)

1. *T. aestivum* Linnaeus. Bread Wheat. (†) 749 (P)(Pub)

**59. *Urochloa*\*** Palisot de Beauvois 1812  
(PARA-GRASS, SIGNAL-GRASS)

1. *U. platyphylla* (Munro ex Wright) R. Webster. Broadleaf Signal-Grass; Broadleaf Liverseed Grass. 1174 (P-Rec)(Priv), 2096 (P)(Priv)
2. *U. ramosa* (Linnaeus) T.Q. Nguyen. Browntop Millet; Dixie Liverseed Grass. (†) 1173 (P-Rec)(Priv)

**60. *Zea*\*** Linnaeus 1753  
(CORN, MAIZE)

1. *Z. mays* Linnaeus ssp. *mays*. Corn; Maize. (†) 1977 (P-Rec)(Pub)

**113. PODOSTEMACEAE** Richard ex Kunth 1816  
(Riverweed Family)

**1. *Podostemum*** Michaux 1803  
(RIVERWEED)

1. *P. ceratophyllum* Michaux. Threadfoot; Riverweed; Horn Leaf Riverweed. 1510 (P)(Pub)

**114. POLEMONIACEAE** de Jussieu 1789  
(Jacob's Ladder Family)

**1. *Phlox*** Linnaeus 1753  
(PHLOX)

1. *P. amoena* Sims. Hairy Phlox. 262 (Pub), 296 (P)(Pub), 570 (P)(Priv), 1557 (P)(Pub), 1596 (RV)(Pub)
2. *P. carolina* Linnaeus. Carolina Phlox; Thick Leaf Phlox. 883 (P)(Pub)
3. *P. divaricata* Linnaeus var. *laphamii* Wood. Wild Blue Phlox; Western Blue Phlox. 1546 (RV)(Pub), 1602 (RV)(Pub), 1688 (P)(Pub)
4. *P. glaberrima* Linnaeus. Smooth Phlox. 106 (P)(Priv), 308 (P)(Pub), 566 (P)(Priv), 760 (**RV-Rec**)(Pub), 831 (RV)(Pub)
5. *P. nivalis* ssp. *hantzii* (Nuttall) Wherry. Trailing Phlox. 1526 (P)(Pub)
6. *P. paniculata* Linnaeus. Summer or Fall Phlox; Garden Phlox. 905 (**P-Rec**)(Pub), 931 (P)(Pub)
7. *P. pilosa* Linnaeus ssp. *pilosa*. Downy Phlox. 15 May 1966, R. Knowles (AUA-ACC012706)
8. *P. subulata* Linnaeus. Mountain-Pink; Moss Phlox. (†) Moss Phlox is considered non-native in Alabama. However, this species is native to Georgia (to our East) and Tennessee (to our North). 1526 (**P-Rec**)(Pub)

**115. POLYGALACEAE** Hoffmannsegg & Link 1809  
(Milkwort Family)

**1. *Polygala*** Linnaeus 1753  
(MILKWORT)

1. *P. ambigua* Nuttall. Loose Milkwort; Alternate Milkwort. Jun 2018, D.D. Spaulding
2. *P. boykinii* Nuttall var. *boykinii*. Boykin's Milkwort. [**CON**] **S3S4/G3G4T?**. Previously, only documented once in Cleburne County. 05 Aug 1982 Whetstone (JSU138609). 123 (P)(Priv), 426 (P)(Pub)
3. *P. curtissii* A. Gray. Appalachian Milkwort; Curtiss' Milkwort. 816 (RV)(Pub), 979 (P)(Pub)
4. *P. incarnata* Linnaeus. Pink Milkwort; Procession Flower. 8 Aug 1982, M. Bussey (JSU138751)
5. *P. mariana* P. Miller. Maryland Milkwort. Collected once in Cleburne County. 18 Jul 2012, T.W. Barger (AUA-ACC071849)

6. *P. nana* (Michaux) A.P. de Candolle. Dwarf Milkwort; Candyroot. 890 (P)(Pub)
7. *P. polygama* Walter. Racemed Milkwort; Bitter Milkwort. 232 (**P-Rec**)(Pub), 485 (P)(Pub), 490 (P)(Pub)
8. *P. verticillata* Linnaeus var. *isocycla* Fernald. Whorled Milkweed. 894 (**P-Rec**)(Pub), 926 (P)(Pub), 7889 (**RV-Rec**)(Pub)
9. *P. verticillata* Linnaeus var. *verticillata*. Whorled Milkweed. 7 Aug 1994, S. Hruska (JSU138971)

**116. POLYGONACEAE** de Jussieu 1789  
(**Smartweed Family**)

**1. Fallopia** Adanson 1763  
(CLIMBING BUCKWHEAT)

1. *F. convolvulus* (Linnaeus) A. Love. Black Bindweed; Climbing Buckwheat. (†) 30 May 1972, R. Whetstone (JSU139073)
2. *F. scandens* (Linnaeus) Holub. Common Climbing Buckwheat. 1342 (P)(Priv), 1370 (P)(Priv), 2133 (P)(Priv)

**2. Persicaria** P. Miller 1754  
(SMARTWEED, TEARTHUMB, JUMPSEED)

1. *P. densiflora* (Meisner) Moldenke. Dense-Flower Smartweed; Smooth Knotweed. Documented in only one adjacent county: Cherokee. 1090 (**P-Rec**)(Priv), 1101 (P)(Priv)
2. *P. hydropiperoides* (Michaux) Small. Waterpepper; Swamp Smartweed; Mild Water Pepper. Until 2019, Swamp Smartweed not been documented in Cleburne County in forty-four years. 527 (P)(Priv), 2122 (P)(Priv)
3. *P. lapathifolia* (Linnaeus) S.F. Gray. Willow-Weed; Pale Smartweed. 2002 (P)(Priv)
4. *P. longiseta* (de Bruijn) Kitagawa. Long Bristle Smartweed; Creeping Smartweed; Bristly Lady's-Thumb. (†) 375 (P)(Priv), 528 (P)(Priv), 1105 (P)(Priv)
5. *P. pensylvanica* (Linnaeus) M. Gómez. Pennsylvania Smartweed; Pinkweed; Common Smartweed. 1178 (P)(Priv), 1343 (P)(Priv)
6. *P. punctata* (Elliott) Small. Dotted Smartweed. 170 (**P-Rec**)(Priv), 969 (P)(Pub), 1102 (P)(Priv)
7. *P. sagittata* (Linnaeus) H. Gross ex Nakai. Arrowleaf Tearthumb; Arrow Vine; Scratch Grass. 551 (P)(Priv), 802 (**RV-Rec**)(Priv), 1426 (RV)(Pub), 1818 (RV)(Pub)
8. *P. setacea* (Baldwin) Small. Swamp or Bog Smartweed. 479 (P)(Pub), 2005 (P)(Priv)
9. *P. virginiana* (Linnaeus) Gaertner. Jumpseed; Virginia Knotweed. 1021 (P)(Pub)



**3. *Polygonum* Linnaeus 1753**  
(KNOTWEED)

1. *P. aviculare* Linnaeus ssp. *depressum* (Meisner) Arcangeli. Oval Leaf Knotweed; Devil's Shoestring; Dooryard Knotweed. (†) 5 Nov 2016, D.D. Spaulding (UWAL0037254) with Taylor Spaulding.

**4. *Reynoutria*\* Houttuyn 1777**

1. *R. japonica* Houttuyn. Japanese Knotweed; Japanese Bamboo; Japanese Buckwheat. (†) 1956 (P)(Pub)

**5. *Rumex* Linnaeus 1753**  
(DOCK)

1. *R. acetosella* Linnaeus ssp. *pyrenaicus* (Pourret ex Lapeyrouse) Akeroyd. Red Dock; Sheep Sorrel; Sourgrass. 808 (RV-Rec)(Priv)
2. *R. conglomeratus* Murray. Clustered Green Dock; Sharp Dock. (†) 1816 (RV-Rec)(Pub)
3. *R. crispus* Linnaeus ssp. *crispus*. Curly Dock. (†) 731 (P)(Priv), 937 (P)(Priv)
4. *R. hastatulus* Baldwin. Wild Dock; Heartwing Dock. 9 May 1973, R. Whetstone (JSU139987)
5. *R. pulcher* Linnaeus. Fiddledock. (†) 9 May 1979, R. Whetstone (JSU140019)

**117. PONTEDERIACEAE Kunth 1815 [1816]**  
(Pickerelweed Family)

**1. *Heteranthera* Ruiz & Pavón 1794**  
(MUD PLANTAIN)

1. *H. limosa* (Swartz) Willdenow. Blue Mud Plantain. [CON] S?/G5. Rare in Alabama (Kartesz 2020). Only documented in five other Alabama counties. 1275 (P-Rec)(Priv)
2. *H. reniformis* Ruíz & Pavón. Kidney-Leaf Mud Plantain. OBL. Collection found growing within frequently disturbed, muddy ruts an old road. 1203 (P)(Pub)

**118. PORTULACACEAE\*\* de Jussieu 1789**  
(Purslane Family)

**1. *Portulaca*\*** Linnaeus 1753  
(PURSLANE, PORTULACA)

1. ***P. oleracea*** Linnaeus. Common Purslane; Garden Purslane. (†) 1234 (**P-Rec**)(Priv)

**119. POTAMOGETONACEAE** Berchtold & J. Presl 1823  
(Pondweed Family)

**1. *Potamogeton*** Linnaeus 1753  
(PONDWEED)

1. ***P. diversifolius*** Rafinesque. Water Thread Pondweed; Common Snailseed Pondweed. 494 (P)(Pub), 503 (P)(Pub), 805 (RV)(Priv)
2. ***P. nodosus*** Poiret. Longleaf Pondweed; American Pondweed. May 2018, D.D. Spaulding (15293)
3. ***P. pulcher*** Tuckerman. Spotted Pondweed; Heartleaf Pondweed. 176 (**P-Rec**)(Priv), 443 (P)(Pub)

**120. PRIMULACEAE** Batsch 1794  
(Primrose Family)

**1. *Lysimachia*\*** Linnaeus 1753  
(LOOSESTRIFE)

1. ***L. nummularia*** Linnaeus. Creeping Jenny; Creeping Charlie; Moneywort. (†) 734 (**P-Rec**)(Priv)

**2. *Samolus*\*** Linnaeus 1753  
(WATER-PIMPERNEL)

1. ***S. parviflorus*** Rafinesque. Water Pimpernel. 771 (**RV-Rec**)(Pub), 864 (**P-Rec**)(Pub)

**3. *Steironema*** Rafinesque 1821  
(LOOSESTRIFE)

1. ***S. ciliatum*** (Linnaeus) Baudo. Fringed Loosestrife. 190 (P)(Priv), 368 (P)(Priv), 635 (RV)(Pub), 707 (P)(Priv)

2. *S. lanceolatum* (Walter) Gray. Lanceleaf Loosestrife. 470 (P)(Pub), 618 (**RV-Rec**)(Pub)
3. *S. quadriflorum* (Sims) A.S. Hitchcock. Smooth Loosestrife; Four Flower Loosestrife. 2 Jun 2017, D.D. Spaulding (14783) with M.T. Spaulding. 587 (**P-Rec**)(Pub)
4. *S. tonsum* (Alph. Wood) E.P. Bicknell ex Britton. Southern Loosestrife; Appalachian Loosestrife. 921 (**RV-Rec**)(Pub), 1131 (P)(Priv)

**121. RANUNCULACEAE** de Jussieu 1789  
(Buttercup Family)

**1. Actaea** Linnaeus 1753  
(BANE BERRY)

1. *A. racemosa* Linnaeus. Common Black Cohosh; Early Black Cohosh. 316 (P)(Pub), 548 (P)(Priv), 1125 (P)(Priv), 1826 (RV)(Pub)

**2. Anemone** Linnaeus 1753  
(ANEMONE)

1. *A. berlandieri* Pritzell. Eastern Prairie Anemone; Ten-Petal Anemone. 22 Mar 1995, S. Hruska (JSU127966)
2. *A. caroliniana* Walter. Prairie Anemone; Carolina Anemone. [**CON**] **S2/G5**. Until now, Carolina Anemone had only been documented once in Cleburne County (forty years ago): 1 Apr 1979, S Hogue (JSU127965). 2204 (**P-Rec**)(Pub)
3. *A. quinquefolia* Linnaeus. Wood Anemone; Nightcaps. 227 (P)(Priv), 691 (P)(Priv), 1631 (P)(Priv), 1667 (P)(Priv)
4. *A. virginiana* Linnaeus var. *virginiana*. Tall Anemone; Thimbleweed. 790 (**RV-Rec**)(Pub)

**3. Aquilegia** Linnaeus 1753  
(COLUMBINE)

1. *A. canadensis* Linnaeus. Canada Columbine; Eastern Columbine; Red Columbine. 1679 (P)(Pub), 1685 (P)(Pub)

**4. Clematis** Linnaeus 1753  
(CLEMATIS, VIRGIN'S-BOWER)

1. *C. flaccida* Small. Vase Vine; Weak Stemmed Leatherflower. Following APA instead of Weakley. 17 May 1985, R. Whetstone (JSU128115)
2. *C. reticulata* Walter. Netleaf Leatherflower. 24 May 1992, M. Ballard (JSU128082)

3. *C. virginiana* Linnaeus. Virgin's Bower. 822 (RV-Rec)(Pub)

**5. *Delphinium* Linnaeus 1753**  
(LARKSPUR)

1. *D. carolinianum* Walter ssp. *calciphilum* M.J. Warnock. Prairie Larkspur; Glade Larkspur; Limestone Carolina Larkspur. [CON] S1/T3. This taxon is endemic to the United States; known from four states: Alabama, Georgia, Tennessee, and Kentucky. Glade Larkspur has only been documented in three Alabama counties. The only known location in Cleburne County is located on my family's private property. 1761 (P)(Priv)
2. *D. tricornis* Michaux. Dwarf Larkspur. 1702 (RV)(Priv)

**6. *Hepatica* P. Miller 1754**  
(HEPATIC, LIVERLEAF)

1. *H. americana* (A.P. de Candolle) Ker-Gawler. Round Lobed Liverleaf; Round Lobed Hepatica. 1154 (P)(Pub), 1466 (P)(Priv), 1571 (P)(Priv), 1724 (P)(Priv)
2. *H. acutiloba* A.P. de Candolle. Sharp Lobed Liverleaf; Sharp Lobed Hepatica. This species has not been documented in Cleburne County in twenty years. First documented in the county on 24 March 1967, J. Reynolds (JSU140331).

**7. *Ranunculus* Linnaeus 1753**  
(BUTTERCUP, CROWFOOT, SPEARWORT)

1. *R. abortivus* Linnaeus. Kidney Leaf Buttercup. 1629 (P)(Priv), 2188 (P)(Priv)
2. *R. bulbosus* Linnaeus. Bulbous Buttercup; St. Anthony's Turnip. (†) 26 April 1995, Hruska 674 (JSU128708)
3. *R. hispidus* Michaux. Hispid Buttercup; Hairy Buttercup. 16 Apr 1980, R. Whetstone (JSU128733)
4. *R. parviflorus* Linnaeus. Small Flowered Buttercup; Stickseed Crowfoot. (†) 1745 (P-Rec)(Priv)
5. *R. pusillus* Poiret. Low Spearwort; Small Spearwort. 505 (P-Rec)(Pub)
6. *R. recurvatus* Poiret var. *recurvatus*. Hooked Buttercup; Hooked Crowfoot. 1666 (P)(Priv), 1730 (P)(Priv), 1894 (RV)(Pub)
7. *R. sardous* Crantz. Sardinian Buttercup; Hairy Buttercup. 584 (P)(Priv), 1073 (P)(Priv)

**8. *Thalictrum* Linnaeus 1753**  
(MEADOW-RUE)

1. *T. amphibolum* Greene. Waxy Leaf Meadow Rue; Skunk Meadow Rue. 1613 (P-Rec)(Priv), 1948 (P)(Priv)
2. *T. dioicum* Linnaeus. Early Meadow Rue. 1435 (RV-Rec)(Pub), 1909 (RV)(Pub)
3. *T. thalictroides* (Linnaeus) A.J. Eames & B. Boivin. Rue Anemone; Windflower. 174 (P)(Priv), 319 (P)(Pub), 609 (RV)(Pub), 690 (P)(Priv), 1668 (P)(Priv)

**9. *Trautvetteria*** Fischer & C.A. Meyer 1835  
(TASSEL-RUE)

1. *T. applanata* Greene. Ozark Tassel Rue. 23 Apr 1990, R. Kral (UWAL0034642)

**10. *Xanthorhiza*** Marshall 1785  
(YELLOWROOT)

1. *X. simplicissima* Marshall. Yellow Root; Brook-Feather. 275 (P)(Pub), 876 (P)(Pub), 1887 (RV)(Pub)

**122. RHAMNACEAE** de Jussieu 1789  
(Buckthorn Family)

**1. *Berchemia*** Necker 1825  
(SUPPLEJACK)

1. *B. scandens* (Hill) K. Koch. Rattan Vine; Alabama Supplejack; Carolina Supplejack; Supplejack; American Rattan. 16 Sept 1971, R. Kral (FSU000167513)

**2. *Ceanothus*** Linnaeus 1753  
(REDROOT, NEW JERSEY TEA)

1. C. - Not sure which var. 128 (P)(Pub), 256 (P)(Pub), 648 (RV)(Pub), 741 (P)(Pub), 754 (P)(Pub)

**3. *Frangula*** P. Miller 1754  
(BUCKTHORN)

1. *F. caroliniana* (Walter) A. Gray. Carolina Buckthorn; Indian Cherry. Previously only documented once in Cleburne County: 28 September 1993, M. Belue (JSU129535). 2003 (P)(Priv)

**123. ROSACEAE** de Jussieu 1789  
(Rose Family)

**1. *Agrimonia*** Linnaeus 1753

(AGRIMONY)

1. *A. parviflora* Aiton. Swamp Agrimony; Southern Agrimony; Small Flowered Agrimony. 172 (P)(Priv), 1099 (P)(Priv)
2. *A. pubescens* Wallroth. Soft Agrimony; Downy Agrimony. 852 (**P-Rec**)(Priv), 1134 (P)(Priv)
3. *A. rostellata* Wallroth. Woodland Agrimony; Beaked Agrimony. 606 (**RV-Rec**)(Pub), 996 (P)(Priv), 1010 (P)(Pub), 1041 (P)(Priv), 1432 (RV)(Pub), 1465 (P)(Priv), 1458 (P)(Priv)

**2. Amelanchier** Medikus 1789

(SERVICEBERRY, SARVIS, SHADBUSH, JUNE BERRY)

1. *A. arborea* (Michaux f.) Fernald. Downy Serviceberry; Downy Juneberry. 1654 (P)(Pub)
2. *A. canadensis* (Linnaeus) Medikus. Eastern Serviceberry; Thicket Shadbush. 9 April 1968, S. Horton (JSU129818)

**3. Aphanes\*** Linnaeus 1753

(PARSLEY-PIERT)

1. *A. australis* Rydberg. Slender Parsley Piert. (†) Documented in two counties adjacent to Cleburne County. Found sporadically throughout Alabama in approximately twenty-seven out of sixty-seven counties. 1516 (**P-Rec**)(Priv)

**4. Aronia** Medikus 1789

(CHOKEBERRY)

1. *A. arbutifolia* (Linnaeus) Persoon. Red Chokeberry. 26 April 1983, M.G. Bussey 593 (JSU129906)

**5. Aruncus** Linnaeus 1758

(GOAT'S-BEARD)

1. *A. dioicus* (Walter) Fernald var. *dioicus*. Eastern Goat's Beard. 321 (P)(Pub)

**6. Chaenomeles** Lindley 1821

(FLOWERING QUINCE)

1. *C. speciosa* (Sweet) Nakai. Common Flowering Quince. (†) 13 Mar 2017, D.D. Spaulding (UWAL0037844)

**7. Crataegus** Linnaeus 1753

(HAWTHORN, HAW, THORNAPPLE)

1. *C. iracunda* Beadle. Forest Hawthorn; Red Hawthorn. 29 Aug 1970, R. Kral (JSU130112)
2. *C. macrosperma* Ashe. Eastern Hawthorn; Large-Seeded Hawthorn. 1 Oct 1987, K. Snowden (JSU130124)
3. *C. marshallii* Eggleston. Parsley Leaf Hawthorn; Parsley Haw. Previously only documented once in Cleburne County: 29 July 1957, W. Adams (AUA000022829). 163 (P)(Pub), 228 (P)(Priv)
4. *C. spathulata* Michaux. Little-Hip Hawthorn. Documented once in Cleburne County; Cheaha State Park: 1 October 1987, K.E. Snowden (JSU129756).
5. *C. uniflora* Muenchhausen. One-Flower Hawthorn; Dwarf Hawthorn. Documented once in Cleburne County: 12 August 1992, F. Hutchinson 754 (JSU145769).

**8. *Fragaria* Linnaeus 1753**  
(STRAWBERRY)

1. *F. virginiana* P. Miller. Wild Strawberry. Documented once in Cleburne County; Piedmont region: 1 May 1970, M. Borden (JSU130332).

**9. *Geum* Linnaeus 1753**  
(AVENS)

1. *G. canadense* Jacquin. White Avens. 381 (P)(Priv), 547 (P)(Priv), 649 (RV-Rec)(Pub), 666 (P)(Priv)

**10. *Gillenia* Moench 1802**  
(INDIAN-PHYSIC, BOWMAN'S-ROOT)

1. *G. stipulata* (Muhlenberg ex Willdenow) Nuttall. American Ipecac. 465 (P)(Pub)
2. *G. trifoliata* (Linnaeus) Moench. Mountain Indian-Psychic; Bowman's Root. 637 (RV-Rec)(Pub)

**11. *Kerria*\* A.P. de Candolle 1818**  
(KERRIA)

1. *K. japonica* (Linnaeus) A.P. de Candolle. Japanese Rose; Kerria. (†) 1664 (P-Rec)(Pub)

**12. *Malus* P. Miller 1754**  
(APPLE, CRABAPPLE)

1. *M. angustifolia* (Aiton) Michaux. Wild Crabapple; Southern Crabapple. 1798 (P)(Priv), 2032 (P)(Pub)

**13. *Photinia*\* Lindley 1821**  
(PHOTINIA, REDTIP)

1. *P. serratifolia* (Desfontaines) Kalkman. Red-Tip; Chinese Red-Tip; Taiwanese Red-Tip. 2017 (**P-Rec**)(Pub)

**14. *Potentilla*** Linnaeus 1753  
(CINQUEFOIL, FIVE-FINGERS, POTENTILLA)

1. *P. canadensis* Linnaeus. Dwarf or Canada Cinquefoil; Running Five-Fingers. 1582 (RV)(Pub)
2. *P. indica* (Andrews) T. Wolf. Mock Strawberry; Indian Strawberry; Snakeberry. (†) 120 (P)(Priv), 1058 (P)(Priv)
3. *P. norvegica* Linnaeus. Strawberry Weed; Rough Cinquefoil. (†) 1181 (P)(Priv), 1810 (P)(Priv)
4. *P. recta* Linnaeus. Upright Cinquefoil; Sulphur Five-Fingers; Sulphur Cinquefoil. (†) 2 Jun 2002, D.D. Spaulding (UNA00059408)
5. *P. simplex* Michaux. Old Field Cinquefoil; Old Field Five-Fingers. 8 Apr 1970, J. Sims (JSU130891)

**15. *Prunus*** Linnaeus 1753  
(PLUM, CHERRY, SLOE, PEACH, APRICOT)

1. *P. alabamensis* C. Mohr. Alabama Black Cherry. [CON] S1/G4. 6 May 1967, R. Richardson (JSU130958)
2. *P. caroliniana* (P. Miller) Aiton. Carolina Laurel Cherry. 1490 (**P-Rec**)(Pub)
3. *P. glandulosa* Thunberg. Dwarf Flowering Almond. (†) 1835 (**P-Rec**)(Pub), 1858 (P)(Pub)
4. *P. persica* (Linnaeus) Batsch. Peach. (†) Neal Ballard documented the first collection in 1969. 1653 (P)(Pub)
5. *P. serotina* Ehrhart var. *serotina*. Black Cherry. 1796 (P)(Priv)

**16. *Pyracantha*\*** M.J. Roemer 1847  
(FIRETHORN, PYRACANTHA)

1. *P. koidzumii* (Hayata) Rehder. Formosa Firethorn. (†) 1487 (**P-Rec**)(Pub)

**17. *Pyrus*** Linnaeus 1753  
(PEAR)

1. *P. communis* Linnaeus. Common Pear. 218 (P)(Priv), 2001 (P)(Priv)

**18. *Rosa*** Linnaeus 1753  
(ROSE)

1. *R. bracteata* J.C. Wendland. Macartney Rose; Chickasaw Rose. (†) 8 Aug 1983, M. Bussey (JSU131387)
2. *R. carolina* Linnaeus ssp. *carolina*. Carolina Rose; Wild Rose. 568 (P)(Priv)



3. *R. multiflora* Thunberg ex Murray. Multiflowered Rose; Rambler Rose; Japanese Rose. (†) 1680 (**RV-Rec**)(Pub), 2202 (P)(Pub)
4. *R. luciae* Franchet & Rochebrune ex Crépin. Memorial Rose. (†) 423 (P)(Pub)

**19. *Rubus* Linnaeus 1753**

(BLACKBERRY, RASPBERRY, DEWBERRY, WINEBERRY, BRAMBLE)

1. *R. allegheniensis* Porter. Allegheny Blackberry. [**CON**] **S1/G5**. 24 May 2015, D.D. Spaulding (14268) with M.T. Spaulding and three of our children: Kailey and Kaitlyn Hendrix and Savannah Spaulding
2. *R. bifrons* Vest. Himalaya Blackberry; European Blackberry. (†) 1494 (**P-Rec**)(Pub)
3. *R. cuneifolius* Pursh. Sand Blackberry. 1974 (**P-Rec**)(Priv)
4. *R. flagellaris* Willdenow. Northern Dewberry; Common Dewberry. 402 (P)(Pub), 685 (P)(Priv), 1111 (P)(Priv), 1883 (P)(Pub)
5. *R. pensilvanicus* Poiret. Pennsylvania Blackberry; Eastern Blackberry; High Bush Blackberry. 215 (P)(Priv), 1735 (P)(Priv)
6. *R. trivialis* Michaux. Southern Dewberry. 1884 (**P-Rec**)(Pub)

**20. *Spiraea* Linnaeus 1753**

(SPIRAEA, MEADOWSWEET, HARDHACK)

1. *S. cantoniensis* Loureiro. Reeve's Spirea. (†) 1556 (**P-Rec**)(Pub), 1595 (**RV-Rec**)(Pub)
2. *S. prunifolia* Siebold & Zuccarini. Bridal Wreath Spirea. (†) 1834 (**P-Rec**)(Pub)
3. *S. thunbergii* Siebold ex Blume. (†) Thunberg's Spirea. 1538 (P)(Pub)

**124. RUBIACEAE de Jussieu 1789**

(Madder Family)

**1. *Cephalanthus* Linnaeus 1753**

(BUTTONBUSH)

1. *C. occidentalis* Linnaeus. Buttonbush. 477 (P)(Pub), 1020 (P)(Pub)

**2. *Diodia* Linnaeus 1753**

(BUTTONWEED)

1. *D. virginiana* Linnaeus. Large Buttonweed. 660 (P)(Priv), 776 (**RV-Rec**)(Pub), 812 (RV)(Pub), 1182 (P)(Priv)

**3. *Galium* Linnaeus 1753**

(BEDSTRAW, CLEAVERS, WOODRUFF)

1. *G. anglicum* Hudson. Wall Bedstraw; English Bedstraw. (†) 673 (**P-Rec**)(Pub), 1982 (P)(Pub), 2161 (P)(Priv)
2. *G. aparine* Linnaeus. Cleavers; Sticky Willy; Catchweed Bedstraw. 1915 (**RV-Rec**)(Pub)
3. *G. circaezans* Michaux. Forest Bedstraw; Licorice Bedstraw. 592 (P)(Pub), 845 (P)(Priv), 1129 (P)(Priv), 1766 (P)(Priv), 1937 (P)(Priv)
4. *G. latifolium* Michaux. Purple Bedstraw; Wide Leaf Bedstraw. Documented in 1969 three times in the same location; atop Mount Cheaha near the tower. Purple Bedstraw has not been documented in Cleburne County in fifty-two years. 24 Jun 1969, L. Millican 239 (JSU132054)
5. *G. obtusum* Bigelow var. *obtusum*. Blunt-Leaf Bedstraw. 653 (P)(Priv), 667 (P)(Priv), 712 (P)(Priv), 714 (P)(Priv), 809 (**RV-Rec**)(Priv), 1079 (P)(Priv)
6. *G. pilosum* Aiton. Hairy Bedstraw. 486 (**P-Rec**)(Pub), 772 (**RV-Rec**)(Pub), 775 (RV)(Pub), 933 (P)(Pub), 1965 (P)(Priv)
7. *G. sherardia* E.H.L. Krause. Field Matter. (†) 658 (P)(Priv), 1609 (**RV-Rec**)(Pub)
8. *G. tinctorium* Linnaeus var. *tinctorium*. Southern Three-Lobed Bedstraw; Stiff Marsh Bedstraw. 1196 (**P-Rec**)(Priv)
9. *G. triflorum* Michaux. Sweet Scented Bedstraw. 554 (**P-Rec**)(Priv), 713 (P)(Priv), 785 (**RV-Rec**)(Pub), 844 (P)(Priv), 917 (RV)(Pub), 1002 (P)(Pub), 1104 (P)(Priv)
10. *G. uniflorum* Michaux. Black Fruited Bedstraw. 796 (**RV-Rec**)(Priv)

#### 4. *Hexasepalum* Bartling ex A.P. de Candolle 1830

1. *H. teres* (Walter) J.H. Kirkbride. Poor-Joe; Rough Buttonweed. 11 Sept 1982, M. Bussey (JSU131768)

#### 5. *Houstonia* Linnaeus 1753 (BLUET, DIAMOND-FLOWER)

1. *H. caerulea* Linnaeus. Bluets; Quaker Ladies. (†) 578 (P)(Priv), 1056 (P)(Priv), 1578 (P)(Pub), 1692 (P)(Pub)
2. *H. longifolia* Gaertner var. *compacta* Terrell. Eastern Longleaf Bluet. 20 Jun 1969, J. Brooks (JSU132445)
3. *H. micrantha* (Shinners) Terrell. Southern Bluet; Small Flower Bluet. 1561 (P)(Pub)
4. *H. purpurea* Linnaeus. Summer Bluet; Mountain Bluet. 441 (P)(Pub), 446 (P)(Pub), 556 (P)(Priv), 591 (P)(Pub), 1881 (P)(Pub)
5. *H. pusilla* Schöpf. Tiny Bluet. 25 Mar 1973, S. Windsor (JSU132612)
6. *H. rosea* (Rafinesque) Terrell. Rose Bluet. 10 Mar 2019, T.W. Barger (ALNHS-SP#4292).
7. *H. tenuifolia* Nuttall. Diffuse-Branched Bluet. 27 May 1994, M. Ballard (JSU132650)

#### 6. *Mitchella* Linnaeus 1753

(PARTRIDGE-BERRY)

1. *M. repens* Linnaeus. Partridge Berry. 19 May 1976, T. Atkinson (JSU132677)

**125. RUSCACEAE** M. Roemer 1840  
(**Ruscus Family**)

**1. *Liriope*\*** Loureiro 1790  
(LIRIOPE, LILYTURF)

1. *L. muscari* (Decaisne) L.H. Bailey. Blue Lilyturf; Liriope. (†) 987 (**P-Rec**)(Pub), 1163 (P)(Priv)
2. *L. spicata* Loureiro. Monkey-Grass; Creeping Lilyturf. (†)1157 (**P-Rec**)(Priv)

**2. *Maianthemum*** G.H. Weber ex Wiggers 1780  
(MAYFLOWER, SOLOMON'S-PLUME)

1. *M. racemosum* (Linnaeus) Link. False Solomon's Seal; Eastern Solomon's Plume. 752 (P)(Pub), 1255 (P)(Pub), 1694 (P)(Pub)

**3. *Ophiopogon*\*** Ker-Gawler 1807  
(MONDO GRASS)

1. *O. japonicus* (Thunberg) Ker-Gawler. Mondo Grass. (†) 1622 (**P-Rec**)(Pub)

**4. *Polygonatum*** P. Miller 1754  
(SOLOMON'S SEAL)

1. *P. biflorum* (Walter) Elliott var. *biflorum*. Small Solomon's Seal. 153 (P)(Pub), 154 (P)(Pub), 322 (P)(Pub), 323 (P)(Pub), 390 (P)(Pub), 616 (RV)(Pub)
2. *P. biflorum* (Walter) Elliott var. *commutatum* (J.A. & J.H. Schultes) Morong. Large Solomon's Seal; King Solomon's Seal. 155 (**P-Rec**)(Priv), 278 (P)(Pub), 283 (P)(Pub), 324 (P)(Pub), 607 (**RV-Rec**)(Pub), 753 (P)(Priv), 824 (RV)(Pub), 1119 (P)(Pub)

**126. RUTACEAE** DE Jussieu 1789  
(**Citrus Family**)

**1. *Ptelea*** Linnaeus 1753  
(HOP TREE, WAFER ASH, STINKING ASH)

1. *P. trifoliata* Linnaeus. Hop Tree; Wafer Ash. 12 Aug 1992, F. Hutchinson (JSU145766)

**127. SALICACEAE** Mirbel 1815  
(Willow Family)

**1. *Populus*** Linnaeus 1753  
(POPLAR, ASPEN, COTTONWOOD)

1. *P. alba* Linnaeus. Silver Poplar; White Poplar. (†) 1244 (P)(Pub)

**2. *Salix*** Linnaeus 1753  
(WILLOW)

1. *S. humilis* Marshall. Prairie or Dwarf Willow. [CON] S2S3/G5. 21 Apr 1980, R. Whetstone (JSU132967)
2. *S. nigra* Marshall. Black Willow. 1817 (RV)(Pub)
3. *S. sericea* Marshall. Silky Willow. [CON] S1/G5. 9 Nov 1993, F. Hutchinson (JSU146158)

**128. SAPOTACEAE** de Jussieu 1789  
(Sapodilla Family)

**1. *Koelreuteria*** Laxmann 1772  
(GOLDEN RAIN TREE)

1. *K. bipinnata* Franchet. Chinese Flame Tree; Bougainvillea Golden Rain Tree. First collected as an element of the Cleburne County flora on 21 May 2017, D.D. Spaulding (14766).

**2. *Sideroxylon*** Linnaeus 1754  
(BUMELIA, BUCKTHORN, BULLY)

1. *S. lycoides* Linnaeus. Buckthorn Bully; Carolina Buckthorn. 10 Nov 1968, K. Landers (JSU133178)

**129. SAURURACEAE** Richard ex Lestiboudois 1826

(Lizard's-Tail Family)

1. *Saururus* Linnaeus 1753  
(LIZARD'S-TAIL, WATER-DRAGON)

1. *S. cernuus* Linnaeus. Lizard's-Tail; Water-Dragon. First documented in Cleburne County on 23 April 2018, D.D. Spaulding (15240) Piedmont region. 1427 (**RV-Rec**)(Pub)

130. **SAXIFRAGACEAE** de Jussieu 1789  
(Saxifrage Family)

1. *Heuchera* Linnaeus 1753  
(ALUMROOT)

1. *H. americana* Linnaeus. American Alumroot. 598 (RV)(Pub), 901 (P)(Pub), 1024 (P)(Pub)
2. *H. longiflora* Rydberg. Long-Flowered Alumroot. Documented once in Cleburne County: 6 Jun 2013, T.W. Barger (ALNHA-SP#1048).
3. *H. parviflora* Bartling *var. parviflora*. Little Flower Alumroot; Cave Alumroot; Small Flower Alumroot; Cumberland Grotto Alumroot. Documented mostly within the Cumberland Plateau and Ridge and Valley regions of Alabama. This collection in Cleburne County is one of two counties in the Piedmont region of Alabama where Small Flower Alumroot has been documented. Uncommon in the Piedmont region of the United States. 901 (**P-Rec**)(Pub)
4. *H. villosa* Michaux. Hairy Alumroot; Rock Alumroot; Crag Jangle. This specimen from Cleburne County is possibly the first known collection in the Piedmont region of Alabama. In Alabama, Rock Alumroot is more commonly found in the Ridge and Valley, Cumberland Plateau and Highland Rim regions. This species is uncommon in the southern range of the Piedmont region and documented within counties bordering or near the Ridge and Valley region. 1991 (**P-Rec**)(Priv)

2. *Micranthes* Haworth 1812  
(SAXIFRAGE)

1. *M. virginensis* (Michaux) Small. Early Saxifrage. 1549 (RV)(Pub)

3. *Tiarella* Linnaeus 1787  
(FOAMFLOWER)

1. *T. cordifolia* Linnaeus. Wherry's Foamflower. 1042 (P)(Priv), 1569 (P)(Pub), 1686 (P)

**131. SCROPHULARIACEAE** de Jussieu 1789  
(**Figwort Family**)

**1. *Scrophularia*** Linnaeus 1753  
(FIGWORT)

1. *S. marilandica* Linnaeus. Eastern Figwort. 9 Oct 1982, R. Whetstone (JSU134033)

**2. *Verbascum*** Linnaeus 1753  
(MULLEIN)

1. *V. blattaria* Linnaeus. White Moth Mullein. (†) Previously, *V. blattaria* had only been documented in the Piedmont region of Cleburne County. Last collected 43 years ago in within the county. 16 May 1976, D. Rutland (AUA\_ACC029395) 782 (**RV-Rec**)(Pub)
2. *V. thapsus* Linnaeus. Woolly Mullein; Common Mullein. (†) 545 (P)(Pub)

**132. SIMAROUBACEAE** A.P. de Candolle 1811  
(**Quassia Family**)

**1. *Ailanthus*** Desfais 1788  
(TREE-OF-HEAVEN)

1. *A. altissima* (P. Miller) Swingle. Tree of Heaven; Copal Tree; Stink Tree. Previously only documented once in Cleburne County fifty-three years ago; Piedmont region: 17 June 1966, R. Clark 2765 (NCU00137796). 497 (P)(Pub)

**133. SMILACACEAE** Ventenat 1799  
(**Greenbriar Family**)

**1. *Smilax*** Linnaeus 1753  
(GREENBRIAR, CARRIONFLOWER, SMILAX)

1. *S. bona-nox* Linnaeus var. *bona-nox*. Saw Greenbriar; Bullbriar; Stretchberry; Fringed Greenbriar; Catbriar; Tramp's-Trouble. 162 (P)(Pub), 623 (**RV-Rec**)(Pub)
2. *S. glauca* Walter. White-Leaf Greenbriar; Saw-Briar. 613 (**RV-Rec**)(Pub)
3. *S. herbacea* Linnaeus. Common Carrion Flower; Smooth Carrion Flower. 1762 (P)(Priv)

4. *S. hispida* Rafinesque var. *hispida*. Bristly Greenbriar; Bristly Bullbriar; China Root. 1132 (**P-Rec**)(Priv), 1736 (P)(Priv), 1757 (P)(Priv), 1976 (**RV-Rec**)(Pub), 2197 (P)(Priv)
5. *S. hugeri* (Small) J.B. Norton ex Pennell. Huger's Carrion Flower; Upright Carrion Flower. 1754 (**P-Rec**)(Priv)
6. *S. lasioneura* Hooker. Midwestern Carrion Flower. Uncommon in the Piedmont province. Possibly the first collection in the Ridge and Valley province in the United States. 626 (**RV-Rec**)(Pub)
7. *S. laurifolia* Linnaeus. Blaspheme Vine; Laurel-Leaf Greenbriar; Bamboo-Vine. 1489 (P)(Pub), 1503 (P)(Pub)
8. *S. rotundifolia* Linnaeus. Common Greenbriar; Horse-Briar. 630 (RV)(Pub), 1103 (P)(Priv), 1758 (P)(Priv)
9. *S. smallii* Morong. Jackson Briar. 1006 (**P-Rec**)(Pub), 1505 (P)(Pub), 1506 (P)(Priv)
10. *S. walteri* Pursh. Coral Greenbriar. D.D. Spaulding s.n. (**P-Rec**)(Priv)

**134. SOLANACEAE** de Jussieu 1789  
(**Nightshade Family**)

**1. *Datura*** Linnaeus 1753  
(JIMSONWEED, THORN-APPLE)

1. *D. stramonium* Linnaeus. Jimsonweed. (†) 20 Sept 2015, D.D. Spaulding (UWAL0034100)

**2. *Petunia*** Antoine Laurent de Jussieu 1803  
(PETUNIA)

1. *P. axillaris* (Lamarck) Britton, Sterns, & Poggenburg. White Petunia. (†) 268 (P)(Pub)

**3. *Physalis*** Linnaeus 1753  
(GROUND-CHERRY)

1. *P. angulata* Linnaeus. Smooth Ground Cherry. 958 (P)(Pub)
2. *P. heterophylla* Nees. Clammy Ground Cherry; Common Ground Cherry. 1756 (P)(Priv)

**4. *Solanum*** Linnaeus 1753  
(NIGHTSHADE, TOMATO, POTATO, HORSE-NETTLE)

1. *S. americanum* P. Miller. American Black Nightshade. 8 Nov 1984, C. Nixon (JSU134359)

2. *S. carolinense* Linnaeus var. *carolinense*. Carolina Nightshade; Horse-Nettle.
3. *S. emulans* Rafinesque. Eastern Black Nightshade. 1158 (P-Rec)(Priv)

**135. STAPHYLEACEAE** Martinov 1820  
(Bladdernut Family)

**1. Staphylea** Linnaeus 1753  
(BLADDERNUT)

1. *S. trifolia* Linnaeus. Bladdernut. 16 Apr 1968, M. Stuart (JSU135127)

**136. STYRACACEAE** A.P. de Candolle & Sprengel 1821  
(Storax Family)

**1. Halesia** J. Ellis ex Linnaeus 1759  
(SILVERBELL, SNOWDROP TREE)

1. *H. carolina* Linnaeus. Little Silverbell. [CON] S2/G4G5. 9 Apr 1968, J. O'Neal (AUA-ACC06938)
2. *H. tetraptera* Ellis. Mountain Silverbell; Silverbell Tree; Opossum-Wood. 1697 (P)(Pub)

**2. Styrax** Linnaeus 1753  
(SNOWBELL, STORAX)

1. *S. americanus* Lamarck var. *americanus*. American Snowbell; American Storax. 16 Apr 1967, G. Collier (JSU135433)

**137. SYMPLOCACEAE** Desfontaines 1820  
(Sweetleaf Family)

**1. Symplocos** Jacquin 1760  
(SWEETLEAF)

1. *S. tinctoria* (Linnaeus) L'Héritier. Sweetleaf; Horse Sugar. 1504 (P)(Pub)



**138. TETRACHONDRAEAE** Skottsberg ex Wettstein 1924  
(**Tetrachondra Family**)

**1. *Polyprenum*** Linnaeus 1753  
(POLYPREMUM)

1. *P. procumbens* Linnaeus. Juniper Leaf; Rust Weed; Polyprenum. This is a monotypic genus. 178 (P)(Priv), 535 (P)(Priv), 1060 (P)(Priv), 1293 (P)(Priv)

**139. TRILLIACEAE** Chevallier 1827  
(**Trillium Family**)

**1. *Trillium*** Linnaeus 1753  
(TRILLIUM, TOADSHADE, WAKE-ROBIN)

1. *T. catesbyi* Elliott. Catesby's Trillium; Bashful Trillium; Rosy Wakerobin. 382 (P)(Priv) 466 (P)(Pub) 601 (RV)(Pub) 1570 1671 (P)(Priv) 1841 (P)(Pub)
2. *T. cuneatum* Rafinesque. Sweet Betsy; Purple Toadshade; Large Toadshade; Bloody Butcher. 303 (P)(Pub) 1560 (P)(Pub) 1630 (P)(Priv) 1699 (P)(Pub) 1862 (P)(Pub) 1863 (P)(Pub)
3. *T. decumbens* Harbison. Decumbent Trillium; Trailing Trillium. 1553 (**RV-Rec**)(Pub) 1584 (RV)(Pub) 1682 (P)(Pub)
4. *T. lancifolium* Rafinesque. Lance Leaf Trillium; Narrowleaf Trillium. [**CON**] **S2S3/G4**. 1704 (**RV-Rec**)(Priv) 1874 (**P-Rec**)(Pub) 1891 (RV)(Pub) 1905 (RV)(Pub)
5. *T. rugelii* Rendle. Southern Nodding Trillium. [**CON**] **S2?/G3**. 602 (RV)(Pub) 1151 (P)(Pub) 1890 (RV)(Pub) 1898 (P)(Priv)

**140. TYPHACEAE** de Jussieu 1789  
(**Cattail Family**)

**1. *Sparganium*\*** Linnaeus 1753  
(BUR-REED)

1. *S. americanum* Nuttall. American Bur Reed. 179 (**P-Rec**)(Priv), 498 (P)(Pub), 804 (**RV-Rec**)(Priv)

**2. *Typha*** Linnaeus 1753

(CATTAIL)

1. *T. latifolia* Linnaeus. Common Cattail. 974 (P)(Pub)

**141. ULMACEAE** Mirbel 1815  
(Elm Family)

**1. *Ulmus* Linnaeus 1753**  
(ELM)

1. *U. alata* Michaux. Winged Elm. 421 (P)(Pub)
2. *U. americana* Linnaeus var. *americana*. American Elm; White Elm. 374 (P-Rec)(Priv)
3. *U. rubra* Muhlenberg. Slippery Elm; Red Elm. 736 (P)(Priv), 1770 (P)(Priv)

**142. URTICACEAE** de Jussieu 1789  
(Nettle Family)

**1. *Boehmeria* Jacquin 1760**  
(FALSE-NETTLE)

1. *B. cylindrica* (Linnaeus) Swartz. False Nettle. 701 (P)(Priv)

**2. *Laportea* Gaudichaud-Beaupré 1830**  
(WOOD-NETTLE)

1. *L. canadensis* (Linnaeus) Weddell. Wood Nettle. 4 Sept 2017, D.D. Spaulding (14990) with M.T. Spaulding, 483 (P)(Pub), 543

**3. *Pilea* Lindley 1821**  
(CLEARWEED)

1. *P. microphylla* (Linnaeus) Liebmann. Rockweed; Artillery Weed. (†) Jun 2018, D.D. Spaulding
2. *P. pumila* (Linnaeus) A. Gray. Canadian Clearweed; Rich Weed. 1022 (P)(Pub)

**143. VERBENACEAE** J. Saint-Hilaire 1805  
(Verbena Family)

**1. *Verbena*** Linnaeus 1753  
(VERBENA, VERVAIN)

1. *V. bonariensis* Linnaeus. Purple-Top Vervain. (†) 11 Sept 1975, D. Rutland (AUA-ACC030007)
2. *V. brasiliensis* da Conceição Vellozo. Brazilian Vervain. (†) 538 (P)(Pub)
3. *V. incompta* P.W. Michael. Clasping Verbena. (†) 891 (**P-Rec**)(Pub)
4. *V. rigida* Sprengel. Stiff Vervain; Tuberous Vervain; Veiny Vervain. (†) 332 (P)(Pub), 1777 (P)(Pub)
5. *V. urticifolia* Linnaeus. White Vervain; Nettle-Leaf Vervain. 832 (**RV-Rec**)(Pub), 920 (RV)(Pub), 1085 (**P-Rec**)(Priv), 1100 (P)(Priv)

**144. VIBURNACEAE** Rafinesque 1820  
(Viburnum Family)

**1. *Sambucus*** Linnaeus 1753  
(ELDERBERRY)

1. *S. canadensis* Linnaeus. Common Elderberry; American Elderberry. 171 (P)(Pub), 389 (P)(Pub), 936 (P)(Priv)

**2. *Viburnum*** Linnaeus 1753  
(VIBURNUM)

1. *V. acerifolium* Linnaeus. Maple-Leaf Viburnum; Dogmackie. 915 (RV)(Pub), 1112 (P)(Priv)
2. *V. nudum* Linnaeus. Possum Haw Viburnum. 4 May 1995, S. Hruska (JSU106992)
3. *V. rufidulum* Rafinesque. Southern Black Haw; Rusty Black Haw. Previously only documented twice in Cleburne County; both in the Ridge and Valley region. Until this collection, Southern Black Haw had not been documented in Cleburne County in fifty-one years. 634 (RV)(Pub), 1959 (RV)(Pub)

**145. VIOLACEAE** Batsch 1802  
(Violet Family)

1. *Cubelium* Rafinesque ex Britton & A. Brown 1897  
(GREEN-VIOLET)

1. *C. concolor* (T.F. Forster) Rafinesque ex Britton & A. Brown. Green-Violet. *Cubelium* is a monotypic genus. 1708 (RV)(Pub)

**2. *Viola* Linnaeus 1753**  
(VIOLET, JOHNNY-JUMP-UP, PANSY)

1. *V. affinis* Le Conte. Le Conte's Violet; Sand Violet. First documented as an element of the Cleburne County flora on 2 Mar 2018, D.D. Spaulding (15121). 1588 (RV-Rec)(Pub)
2. *V. eriocarpa* Schweinitz. Smooth Yellow Violet. 1599 (RV-Rec)(Pub), 1611 (P-Rec)(Priv), 1910 (RV)(Pub), 1919 (RV)(Pub)
3. *V. hastata* Michaux. Halberd Leaf Yellow Violet; Spear Leaf Violet. 1574 (P)(Pub), 1587 (RV-Rec)(Pub)
4. *V. hirsutula* Brainerd. Wood Violet; Southern Woodland Violet. 472 (P-Rec)(Pub), 1683 (P)(Pub), 1723 (P)(Priv)
5. *V. palmata* Linnaeus var. *palmata*. Wood Violet; Early Blue Violet; Southern Three-Lobed Violet. 1572 (P)(Pub), 1615 (P)(Priv)
6. *V. pedata* Linnaeus var. *pedata*. Common Bird Foot Violet. 1580 (RV)(Pub), 1860 (P)(Pub), 2024 (P)(Pub)
7. *V. primulifolia* Linnaeus. Primrose Leaf Violet. 1585 (RV-Rec)(Pub), 1840 (P)(Pub)
8. *V. pubescens* Aiton. Hairy Yellow Forest Violet. 16 Apr 1968, M. Stuart (JSU137649)
9. *V. rafinesquei* Greene. Field Pansy; Wild Pansy. 684 (P)(Pub), 1562 (P)(Pub)
10. *V. rostrata* Pursh. Long-Spurred Violet. 2033
11. *V. sororia* Willdenow var. *sororia*. Common Blue Violet. 1524 (P)(Pub), 1603 (RV)(Pub), 1604 (RV)(Pub), 1673 (P)(Priv), 1689 (P)(Pub), 1714 (RV)(Pub)
12. *V. striata* Aiton. Cream Violet; Pale Violet. Cream Violet has only been found in the Ridge and Valley region of Cleburne County. Previously, the last collection was fifty years ago. 1703 (RV)(Pub)
13. *V. tripartita* Elliott. Three-Part-Leaved Violet. 9 Apr 1995, S. Hruska (JSU137974)
14. *V. villosa* Walter. Downy Wood Violet; Carolina Violet; Southern Woolly Violet. 7 May 1983, M. Bussey (JSU138058)
15. *V. walteri* House. Walter's Violet; Prostrate Blue Violet. 1713 (RV)(Pub)

**146. VISCACEAE Batsch 1802**  
(Christmas Mistletoe Family)

**1. *Phoradendron* Nuttall 1848**  
(MISTLETOE)

1. *P. leucarpum* (Rafinesque) Reveal & M.C. Johnson ssp. *leucarpum*. American Mistletoe; Christmas Mistletoe. 24 Jun 1969, K. Landers (JSU138090)

**147. VITACEAE** de Jussieu 1789  
(Grape Family)

**1. Ampelopsis** Michaux 1803  
(PEPPERVINE)

1. *A. cordata* Michaux. Raccoon-Grape; Heartleaf Peppervine. 1219 (P)(Pub)

**2. Muscadinia** (Planchon) Small 1903  
(MUSCADINE, SCUPPERNONG)

1. *M. rotundifolia* (Michaux) Small var. *rotundifolia*. Muscadine; Scuppernong. 549 (P)(Priv), 1039 (P)(Priv), 1722 (P)(Priv)

**3. Parthenocissus** Planchon 1887  
(VIRGINIA-CREEPER, WOODBINE)

1. *P. quinquefolia* (Linnaeus) Planchon. Virginia Creeper. 6 May 1967, N. Sanford (JSU138408)

**4. Vitis** Linnaeus 1753  
(GRAPE)

1. *V. aestivalis* Michaux var. *aestivalis*. Summer Grape. 827 (RV)(Pub)
2. *V. baileyana* Munson. Possum Grape. 31 Jul 1992, F. Hutchinson (JSU144420)
3. *V. cinerea* (Engelmann) Engelman ex Millardet. Pigeon Grape; Graybark Grape. 352 (P-Rec)(Pub)
4. *V. vulpina* Linnaeus. Frost Grape; Winter Grape. 29 Jun 2012, B. Keener (UWAL0012260)

**148. XEROPHYLLACEAE** Takhtajan 1996  
(Beargrass Family)

**1. Xerophyllum** Michaux 1803  
(TURKEYBEARD, BEARGRASS)

1. *X. asphodeloides* (Linnaeus) Nuttall. Turkeybeard; Beargrass; Mountain Asphodel. [CON] S1/G4. 24 May 1995, S. Olberholster (AMAL00001270)

**149. XYRIDACEAE\*\* C. Agardh 1823  
(Yellow-Eyed Grass Family)**

**1. *Xyris*\* Linnaeus 1753  
(YELLOW-EYED-GRASS)**

1. *X. difformis* Chapman. Bog Yellow-Eyed-Grass. First collected as an element of the flora of Cleburne County on 30 Aug 2014, D.D. Spaulding (14108) with M.T. Spaulding. 2000 (P)(Priv)

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## **APPENDIX A: TABLES**

**TABLE 1. Flora Comparisons. Data from floras conducted in parts of Cleburne County, Alabama.**

<b>Flora</b>	<b>Counties Covered</b>	<b>Year</b>	<b>Hectares</b>	<b>Families</b>	<b>Genera</b>	<b>Taxa</b>	<b>% Non-Native</b>
<b>Cheaha State Park</b>	Cleburne	1983	1,101	62	111	319	10%
<b>TNF – Talladega Ranger District</b>	Clay, Cleburne	1995	28,329	130	457	905	12%
<b>Horseblock Mountain</b>	Calhoun, Cleburne	1997	3,642	121	368	634	15%
<b>Dugger Mountain</b>	Calhoun, Cleburne	1998	7,288	122	370	738	9.2%
<b>Choccolocco Creek</b>	Calhoun, Cleburne, Talladega	2002	6,514	142	463	870	19%
<b>Cleburne County</b>	Cleburne	2021	145,298	168	594	1,302	24 %

**TABLE 2.** Global and State Ranking Systems. (AMNH 2019; Rankings 2021)

**Global Ranking System**

- |   |  |
|---|--|
| <b>G1</b> – Critically imperiled globally (5 or fewer occurrences).   | <b>GH</b> – Of historical occurrence throughout its range.                                       |
| <b>G2</b> – Imperiled globally (6 to 20 occurrences).   | <b>GU</b> – Possibly in peril, range wide but status uncertain.                                  |
| <b>G3</b> – Either very rare and local throughout its range or found locally in a restricted range (21 to 100 occurrences). | <b>GX</b> – Believed to be extinct throughout range.   |
| <b>G4</b> – Apparently secure globally.   | <b>G?</b> – Not ranked to date.  |
| <b>G5</b> – Demonstrably secure globally.   | <b>G#T#</b> – Rank for subspecies or varieties where # is equal to 1, 2, 3, 4, 5, H, U, X, or ?. |
|   | <b>G#T#</b> – Rank for subspecies or varieties where # is equal to 1, 2, 3, 4, 5, H, U, X, or ?. |

**State Ranking System**

- |  |   |
|--|---|
| <b>S1</b> – Critically imperiled because of extreme rarity (5 or fewer occurrences of very few remaining individuals or acres) or because of some factor(s) making it especially vulnerable to extirpation from Alabama. | <b>S5</b> – Demonstrably secure in Alabama and essentially "ineradicable" under present conditions.                             |
| <b>S2</b> – Imperiled in state because of rarity (6 to 20 occurrences or few remaining individuals or acres) or because of some factor(s) making it very vulnerable to extirpation from Alabama.                         | <b>S?</b> – Not ranked to date.   |
| <b>S3</b> – Rare or uncommon in Alabama (on the order of 21 to 100 occurrences).   | <b>SH</b> – Of historical occurrence, not verified in the past 50 years [20-40 in ALNHP system].                                |
| <b>S4</b> – Apparently secure in Alabama, with many occurrences.   | <b>SX</b> – Apparently extirpated from Alabama [not verified in the past 100 years or only known population no longer present]. |

**TABLE 3.** Species of Special Concern. **BOLD** = newly documented taxon; PD = Piedmont physiographic region; RV = Ridge and Valley physiographic region; Pub = public lands; Priv = private lands; Unk. = Unknown.

Taxon	Global	State	PD/RV	Pub/Priv
<i>Helianthus smithii</i> [Smith's Sunflower]	G2	S2	PD	Pub
<i>Sabatia capitata</i> [Cumberland Rose Gentian]	G2	S2	PD/RVRec	Pub
<b><i>Silphium brachiatum</i></b> [Cumberland Rosinweed]	<b>G2</b>	<b>S2</b>	<b>RVRec</b>	<b>Pub</b>
<i>Amorpha nitens</i> [Dark Indigo Bush]	G3	S1	PD	Pub
<b><i>Helianthus eggertii</i></b> [Eggert's Sunflower]	<b>G3</b>	<b>S1</b>	<b>PDRec</b>	<b>Pub</b>
<b><i>Juglans cinerea</i></b> [Butternut]	<b>G3</b>	<b>S1</b>	<b>PDRec</b>	<b>Pub</b>
<b><i>Ptilimnium costatum</i></b> [Ribbed Mock Bishopweed]	<b>G3</b>	<b>S1</b>	<b>PDRec</b>	<b>Pub/Priv</b>
<i>Sceptridium jenmanii</i> [Alabama Grape Fern]	G3	S1	PD/RV	Pub/Priv
<b><i>Tradescantia ernestiana</i></b> [Ernest's Spiderwort]	<b>G3</b>	<b>S1</b>	<b>PDRec/RVRec</b>	<b>Priv/Priv</b>
<i>Delphinium carolinianum</i> ssp. <i>calciphilum</i> [Glade Larkspur]	T3	S1	PD	Priv
<b><i>Hexastylis harperi</i></b> [Harper's Wild Ginger]	<b>G3</b>	<b>S2</b>	<b>PDRec</b>	<b>Priv</b>
<i>Trillium rugelii</i> [Southern Nodding Trillium]	G3	S2?	PD/RV	Pub/Priv
<i>Jamesianthus alabamensis</i> [Warbonnet]	G3	S3	PD	Pub
<i>Polygala boykinii</i> var. <i>boykinii</i> [Boykin's Milkwort]	G3G4T	S3S4	PD	Pub/Priv
	?			
<i>Eurybia surculosa</i> [Creeping Aster]	G4	S1	PD	Pub
<i>Gentiana villosa</i> [Pale Gentian]	G4	S1	PD	Pub
<b><i>Isoetes appalachiana</i></b> [Appalachian Quillwort]	<b>G4</b>	<b>S1</b>	<b>PDRec</b>	<b>Priv</b>
<i>Lygodium palmatum</i> [American Climbing Fern]	G4	S1	PD	Pub
<i>Prunus alabamensis</i> [Alabama Black Cherry]	G4	S1	PD	Pub
<i>Xerophyllum asphodeloides</i> [Turkeybeard]	G4	S1	PD	Pub
<i>Melanthium parviflorum</i> [Mountain Bunchflower]	G4	S1S2	PD	Pub/Priv
<i>Asplenium bradleyi</i> [Bradley's Spleenwort]	G4	S2	PD	Pub
<i>Carex austrocaroliniana</i> [South Carolina Sedge]	G4	S2	PD	Pub
<i>Didymoglossum petersii</i> [Dwarf Filmy Fern]	G4	S2	PD	Pub/Priv
<b><i>Dryopteris celsa</i></b> [Log Fern]	<b>G4</b>	<b>S2</b>	<b>RVRec</b>	<b>Priv</b>
<i>Echinacea purpurea</i> [Eastern Purple Coneflower]	G4	S2	PD	Pub
<b><i>Hydrastis canadensis</i></b> [Goldenseal]	<b>G4</b>	<b>S2</b>	<b>PDRec</b>	<b>Priv</b>
<i>Parnassia asarifolia</i> [Kidney Leaf Grass of Parnassus]	G4	S2	PD	Pub
<i>Rhododendron cumberlandense</i> [Cumberland Azalea]	G4	S2	PD	Pub
<i>Ribes curvatum</i> [Granite Gooseberry]	G4	S2	PD	Pub
<b><i>Trillium lancifolium</i></b> [Lance Leaf Trillium]	<b>G4</b>	<b>S2S3</b>	<b>PDRec/RVRec</b>	<b>Pub/Priv</b>
<i>Schoenoplectiella purshiana</i> [Blunt Scale Rush]	G4G5	S1	PD	Pub
<i>Halesia carolina</i> [Little Silverbell]	G4G5	S2	PD	Pub
<i>Pachysandra procumbens</i> [Mountain Spurge]	G4G5	S2S3	PD	Pub
<b><i>Platanthera flava</i></b> [Southern Rein Orchid]	<b>G4T4</b>	<b>S2S3</b>	<b>PDRec/RVRec</b>	<b>Pub/Priv</b>
<b><i>Heteranthera limosa</i></b> [Blue Mud Plantain]	<b>G5</b>	<b>S?</b>	<b>PDRec</b>	<b>Priv</b>
<i>Epilobium coloratum</i> [Bronze Willow Herb]	G5	S1	Unk.	Unk.
<i>Lathyrus venosus</i> [Forest Pea]	G5	S1	PD	Pub
<i>Magnolia fraseri</i> [Fraser Magnolia]	G5	S1	PD	Pub
<i>Rubus allegheniensis</i> [Allegheny Blackberry]	G5	S1	PD	Pub
<i>Salix sericea</i> [Silky Willow]	G5	S1	RV	Pub
<i>Corallorhiza odororhiza</i> [Autumn Coral Root]	G5	S1S2	PD/RVRec	Pub/Priv
<i>Anemone caroliniana</i> [Prairie Anemone]	G5	S2	PDRec/RV	Pub
<i>Bryodesma rupestre</i> [Rock Spikemoss]	G5	S2	PD	Priv
<b><i>Hypericum nudiflorum</i></b> [Early St. John's Wort]	<b>G5</b>	<b>S2</b>	<b>RVRec</b>	<b>Pub</b>
<i>Hypopitys monotropa</i> [False Beechdrops]	G5	S2	PD	Pub
<i>Isotria verticillata</i> [Large Whorled Pagonia]	G5	S2	PD	Pub
<i>Platanthera lacera</i> [Green Fringed Orchid]	G5	S2	PD	Pub
<i>Pyrularia pubera</i> [Buffalo Nut]	G5	S2	PD	Pub
<i>Asplenium trichomanes</i> [Maidenhair Spleenwort]	G5	S2S3	PD	Priv
<i>Salix humilis</i> [Dwarf Willow]	G5	S2S3	PD	Pub
<i>Cypripedium acaule</i> [Pink Lady's Slipper]	G5	S3	PD	Pub/Priv
<i>Dennstaedtia punctilobula</i> [Hay-Scented Fern]	G5	S3	PD	Pub/Priv
<i>Galearis spectabilis</i> [Showy Orchis]	G5	S3	Unk.	Unk.
<i>Gentiana saponaria</i> [Soapwort Gentian]	G5	S3	PD/RV	Pub/Priv
<b><i>Lilium superbum</i></b> [Turk's Cap Lily]	<b>G5</b>	<b>S3</b>	<b>PDRec</b>	<b>Priv</b>
<i>Lonicera flava</i> [Yellow Sunflower]	G5	S3	PD	Pub
<i>Symphotrichum concinnum</i> [Narrowleaf Smooth Aster]	G5T4	S2	PD/RVRec	Pub
<i>Juniperus communis</i> var. <i>depressa</i> [Ground Juniper]	G5T5	S1	Unk.	Unk.
<i>Symphotrichum oolentangiense</i> var. <i>oolentangiense</i> [Azure Aster]	G5T5	S1	PD	Pub

**TABLE 4. Classification of vouchered vascular plants of Cleburne County, Alabama.**

<b>Major Clade</b>	<b>Families</b>	<b>Genera</b>	<b>Total Taxa</b>	<b>Native Taxa</b>	<b>Non-Native Taxa</b>	<b>New to Flora</b>	<b>Species of Special Concern</b>
<b>Lycopodiophyta</b>	3	4	4	4	0	1	2
<b>Monilophyta</b>	15	26	38	35	3	3	7
<b>Coniferophyta</b>	2	3	8	7	1	2	1
<b>Magnoliophyta</b>	148	561	1252	988	314	260	50
<b>Totals:</b>	168	594	1302	1,034	318	266	60

## APPENDIX B: FIGURES

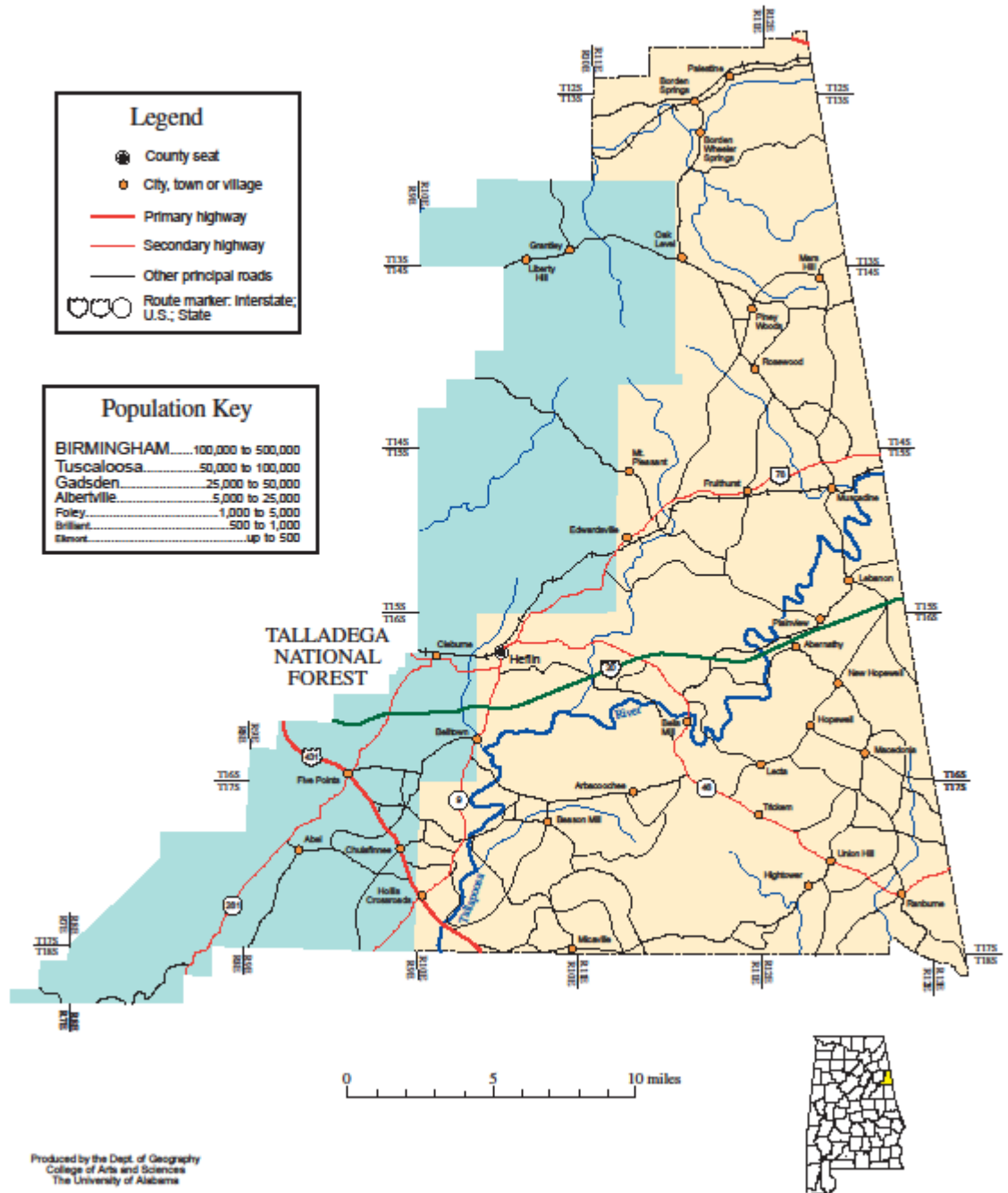




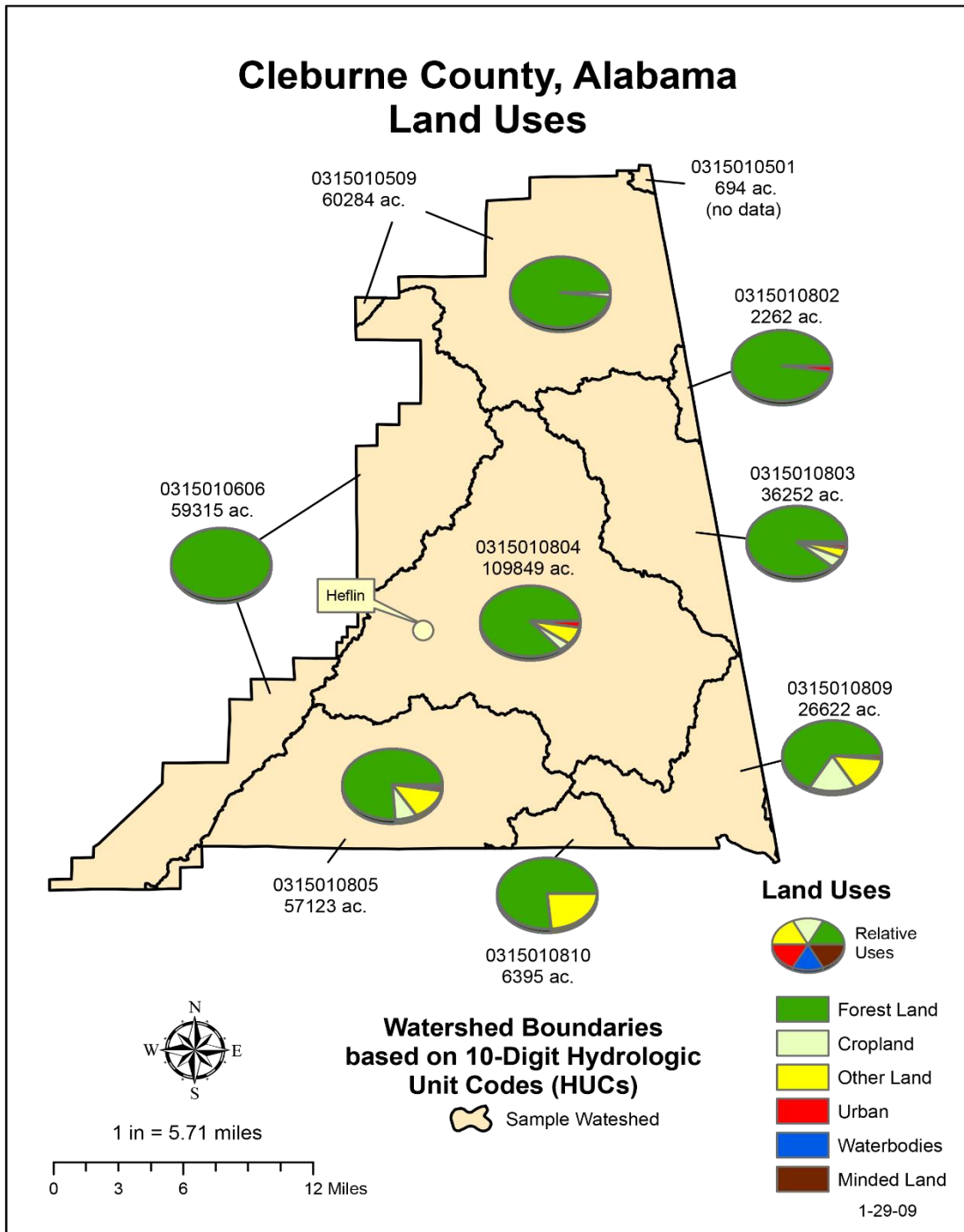
**Figure 1.** Map showing major Alabama cities in proximity to Cleburne County and neighboring states. Modified by M. Spaulding.

<https://www.netstate.com/states/geography/mapcom/images/al.gif>

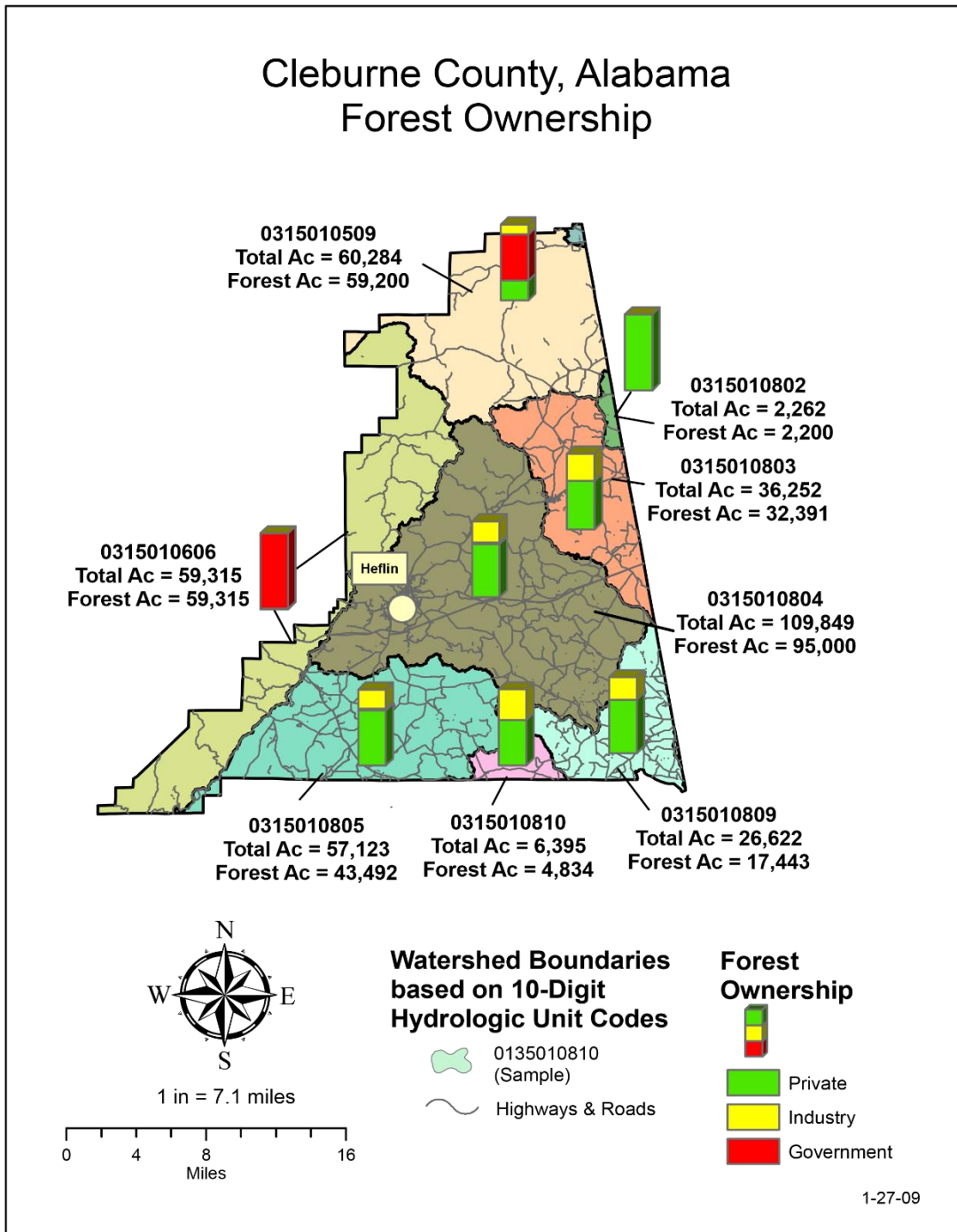
# CLEBURNE COUNTY



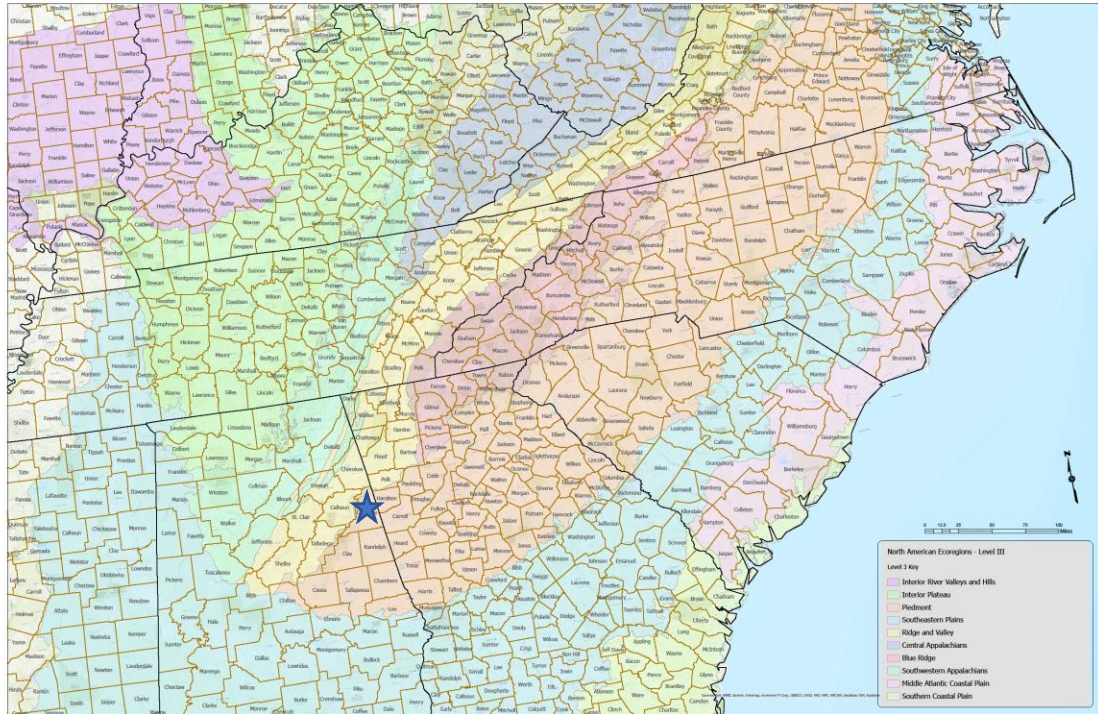
**Figure 2.** Map of the study area: Cleburne County, Alabama.  
(<http://alabamamaps.ua.edu/contemporarymaps/alabama/counties/cleburne.html>).



**Figure 3.** Land use distribution in Cleburne County, AL ca. 2009 (Alabama Soil and Water Conservation Committee 2019).



**Figure 4.** Distribution of private and public land forest ownership in Cleburne County, AL ca. 2009 (Alabama Soil and Water Conservation Committee 2019).



**Figure 5.** Level III ecoregions map (Modified by M. Spaulding from Dr. Ross Martin, JSU made with ArcGIS 2021).



**Figure 6.** Photograph of fieldwork. The author conducting fieldwork at Cahulga Creek Watershed, Heflin, Alabama. Summer, 2019. Photo: Bill Wilson (The Anniston Star)