

ANNOTATED CHECKLIST OF THE VASCULAR FLORA
OF THE TURKEY CREEK UNIT
OF THE BIG THICKET NATIONAL PRESERVE,
TYLER AND HARDIN COUNTIES, TEXAS

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ABSTRACT

An annotated, vouchered checklist is provided of the vascular plant taxa of the 3150 hectare Turkey Creek Unit, Big Thicket National Preserve, Tyler and Hardin counties, southeastern Texas. Six hundred ninety one (691) native taxa and 47 exotic taxa are documented for the unit. The communities of the Turkey Creek Unit are provided.

RESUMEN

Se aporta un listado comentado de los taxa de plantas vasculares junto con los testigos, de las 3150 hectáreas de la unidad Turkey Creek, Big Thicket National Preserve, en los condados de Tyler y Hardin, Sureste de Texas. Se documentan seiscientos noventa y un (691) taxa nativos y 47 taxa exóticos en esta unidad. Se aportan las comunidades de la unidad Turkey Creek.

INTRODUCTION

This is the second part of an intended inventory, based upon available voucher specimens, of the flora of the Big Thicket National Preserve, southeastern Texas. In a previous paper we provided an annotated checklist with community associations of the vascular flora of the Hickory Creek Unit (MacRoberts et al. 2002). In this paper we provide an annotated checklist for the Turkey Creek Unit without community affiliations for species.

SITE AND METHODS

The Big Thicket is located mostly within the longleaf pine region of the West Gulf Coastal Plain in southeastern Texas (Parks & Cory 1936; McLeod 1971;

Harcombe & Marks 1979; Marks & Harcombe 1981; Harcombe et al. 1993). The Big Thicket National Preserve consists of 12 units scattered over seven Texas counties. The units range in size from 222 hectares to 10,100 hectares and total about 34,000 hectares (Peacock 1994). We selected the Turkey Creek Unit for the second part of the floristic survey, a 3150 hectare area located in southern Tyler and northern Hardin counties (Fig. 1). The Turkey Creek Unit, which consists of twelve plant communities, was chosen for inclusion in the Big Thicket National Preserve because it is centrally located, is a corridor unit along Turkey Creek, and is diverse (Ajilvsgi 1979; Watson 1979; Harcombe & Marks 1981; MacRoberts & MacRoberts 1998). The unit is about 18 km from north to south and is about 4 km at its widest east-west point. The unit ranges from about 15 to 45 meters in elevation. Details regarding edaphic and climatic factors can be found in Deshotels (1978), Watson (1979), and Marks and Harcombe (1981). A community map of the unit is in Harcombe and Marks (1979).

Like all units of the Big Thicket National Preserve, the Turkey Creek Unit has not been the subject of a floristic inventory although extensive but desultory collecting has occurred there (Watson 1982; MacRoberts & MacRoberts 1998).

The MacRoberts' collected 620 specimens from the Turkey Creek Unit during 11 field days beginning 13 September 2001 and ending 3 April 2003. These are temporarily deposited at Rice University. In addition, in 1997 and 1998, the MacRoberts collected and deposited 65 specimens from the Turkey Creek Unit at TEX for a study of wetland pine savannas (MacRoberts & MacRoberts 1998). Larry Brown collected 243 specimens during 2 field days on 24 July 2002 and 25 October 2003 and about 60 specimens between October 1981 and September 1996. Dan Johnson collected about 168 specimens on 7 days between 25 October 2002 and 20 July 2003. Geraldine Watson collected about 236 Turkey Creek specimens over several years in the late 1970s and early 1980s.

Since our purpose is to produce a list of taxa known to occur on the Turkey Creek Unit, a vouchered specimen was considered to be the only evidence acceptable for inclusion in the list. In all, about 1340 herbarium specimens form the data for this report. All specimens have been annotated by Larry Brown except for William Carr's four collections at TEX (which have all been recollected) and the MacRoberts' 65 specimens deposited at TEX for a wetland savanna study. These taxa are listed in MacRoberts and MacRoberts (1998) and most have been recollected during our current survey. The following taxa in the 1998 paper have not been recollected, thus the vouchers for them reside only at TEX: *Lycopodiella appressa*, *Hypoxis hirsuta*, *Eleocharis tuberculosa*, *Rhynchospora gracilentia*, *Rhynchospora rariflora*, *Scleria georgiana*, *Scleria reticularis*, *Aletris aurea*, *Schoenolirion croceum*, *Calopogon tuberosus*, *Panicum verrucosum*, *Paspalum praecox*, *Smilax laurifolia*, *Xyris ambigua*, *Xyris baldwiniana*, *Xyris caroliniana*, *Coreopsis linifolia*, *Marshallia graminifolia* var. *cynanthera*,

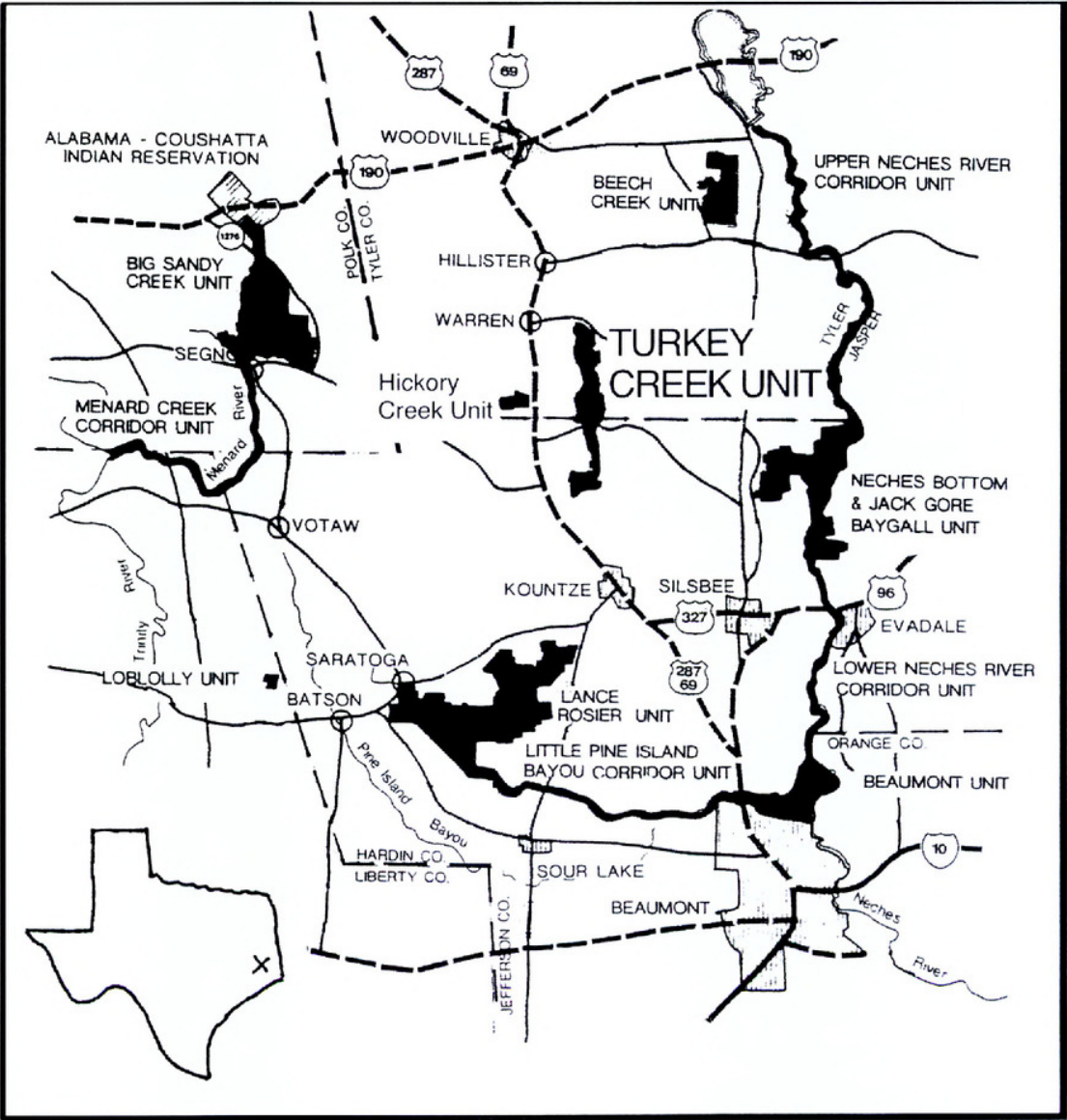


FIG. 1. Location of Turkey Creek Unit within the Big Thicket National Preserve, Texas.

Drosera brevifolia, *Drosera capillaris*, *Polygala cruciata*, *Photinia pyrifolia* (as *Aronia arbutifolia*), and *Viola primulifolia*.

On August 29, 2004, Joe Liggio took the senior author to a new addition of the Turkey Creek Unit. It ranges on the east side of Highway 69/287 between Highway 420 north to Village Creek. In a savanna community north of Highway 420, we collected the following, *Rhynchospora pusilla*, *Fuirena bushii*, *Xyris stricta* var. *obscura*, *Bigelovia nuttallii*, *Silphium gracile*, and *Tephrosia onobrychoides*. Only *R. pusilla* and *B. nuttallii* were new.

In most cases the nomenclature follows Jones et al. (1997) and Kartesz (1999). Some recent literature sources were followed, especially some nomenclatural

adjustments published in the *Flora of North America* volumes. In cases of multiple collections, no more than four are listed for each taxon. For each taxon we list the county of collection if known. Some of Geraldine Watson's collections do not designate county.

The following is a list of communities (mostly using the nomenclature of Marks and Harcombe {1981}) in the Turkey Creek Unit. For each community, except for ponds, we list up to three of the dominant woody species as presented by Marks and Harcombe (1981).

Sandhill Pine Forest: *Quercus incana*, *Q. margaretta*, and *Cornus florida*.

Upland pine forest: *Pinus palustris*, *P. taeda*, and *Callicarpa americana*.

Wetland pine savanna: *Pinus palustris*, *Nyssa biflora*, and *Cyrilla racemiflora*.

Upper slope pine oak forest: *Pinus echinata*, *Quercus falcata*, and *Ilex vomitoria*.

Mid slope oak pine forest: *Pinus taeda*, *Quercus falcata*, and *Cornus florida*.

Lower slope hardwood pine forest: *Magnolia grandifolia*, *Quercus nigra*, and *Ilex opaca*.

Floodplain hardwood pine forest: *Pinus taeda*, *Fagus grandifolia*, and *Carpinus caroliniana*.

Cypress tupelo forest: *Taxodium distichum*, *Nyssa aquatica*, and *Planera aquatica*.

Floodplain hardwood forest: *Quercus nigra*, *Liquidambar styraciflua*, and *Carpinus caroliniana*.

Baygall/stream course: *Cyrilla racemiflora*, *Ilex coriacea*, and *Magnolia virginica*.

Ponds: *Juncus repens*, *Quercus laurifolia*, and *Crataegus opaca*

RESULTS

Annotated list of the Turkey Creek Unit vascular taxa. The following abbreviations are used in the annotated checklist.

CL = C. Lui. His 15 collections are at Rice University.

DJ = Dan Johnson. His 163 specimens are temporarily at Rice University.

GW = Geraldine Watson. Her National Park Service specimens are at Rice University.

LB = Larry Brown. All of his Turkey Creek specimens are at SBSC.

MM = Barbara and Michael MacRoberts. Their collections are temporarily at Rice University except for the 23 taxa whose vouchers are at TEX.

KC = Katie Caldwell. Her collections are at Rice University.

PH = Paul Harcombe. His 15 specimens are at Rice University.

SE = Sandy Elsik. Her 13 collections are at Rice University.

WC = William Carr. His 4 collections are at TEX/LL.

(H) = Collected from Hardin County.

(T) = Collected from Tyler County.

(NC) = A Geraldine Watson collection with no county indicated.

***** = exotic (not native to North America).

+ = see note at end of list.

ACANTHACEAE

Hygrophila lacustris (Schlecht. & Cham.) Nees, (H T) DJ 1948, 1728

Justicia ovata (Walter.) Lindau var. *lanceolata* (Chapm.) R.W. Long, (H T) MM 5634, 5421; GW 215

Ruellia caroliniensis (J.F. Gmel.) Steud., (H) DJ 2002, 1678

Ruellia humilis Nutt., (H T) MM 5675, 5451; GW 2566, 2761

Yeatesia viridiflora (Nees) Small, (H) MM 5635; LB 27090

ACERACEAE

Acer barbatum Michx., (T) DJ 2079; LB 11093

Acer rubrum L., (H T) LB 27476; MM 4963, 5231

AGAVACEAE

Manfreda virginica (L.) Salisb. ex Rose, (T) MM 5770

Yucca louisianensis Trel., (T) MM 5286

ALISMATACEAE

Sagittaria latifolia Willd., (T) DJ 1894

Sagittaria papillosa Buchenau, (H) MM 5667, 2608b; DJ 1993

AMARANTHACEAE

Froelichia floridana (Nutt.) Moq., (H) MM 5144; GW 2373, 2748

ANACARDIACEAE

Rhus glabra L., (H T) MM 5194, 5117, 4973; LB 27155

Rhus copallinum L., (H) DJ 1664

Toxicodendron radicans (L.) Kuntze, (T) DJ 2101, 2088

ANNONACEAE

Asimina parviflora (Michx.) Dunal, (H T) MM 5000; SE 2009; LB 27508

APIACEAE

Centella erecta (L.f.) Fernald, (H T) MM 5664, 5077

Chaerophyllum tainturieri Hook. var. *tainturieri*, (H) MM 5309, 6039

**Cyclospermum leptophyllum* (Pers.) Sprague ex Britton & P. Wilson, (T) DJ 1886; MM 6064

Eryngium integrifolium Walter, (H T) MM 3507; LB 6589

Eryngium prostratum Nutt. ex DC., (H T) DJ 1812, 1843

Eryngium yuccifolium Michx., (T) MM 5754, 5059
Hydrocotyle verticillata Thunb., (NC) GW 2767, 2676

Oxypolis filiformis (Walter.) Britton, (T) MM 5202

Oxypolis rigidior (L.) Raf., (T) MM 5203, 5888

Ptilimnium capillaceum (Michx.) Raf., (H T) GW 2608, 3421

Ptilimnium costatum (Elliott) Raf., (T) MM 5774, 5602; GW 2759; LB 6659

Sanicula canadensis L., (H T) MM 5473; GW 2609c; DJ 1780; LB 27138

Thaspium trifoliatum (L.) A. Gray var. *aureum* Britton, (H) GW 2471, 2610b

APOCYNACEAE

Amsonia tabernaemontana Walter, (NC) GW 3241

Trachelospermum difforme (Walter) A. Gray, (H) DJ 1682

AQUIFOLIACEAE

Ilex ambigua (Michx.) Torr., (H T) GW 2631, 2752; DJ 1681

Ilex coriacea (Pursh) Chapm., (T) MM 5245, 3892; GW 2452, 3444

Ilex decidua Walter, (NC) GW 2693a, 2673

Ilex longipes Chapm. ex Trel., (H T) MM 5922, 6063; LB 27481, 27552

Ilex opaca Aiton, (H T) MM 5004, 5285

Ilex vomitoria Aiton, (H T) MM 4978, 5284

ARACEAE

Arisaema triphyllum (L.) Schott, (H T) MM 5317, 5260; GW 1033

ARALIACEAE

Aralia spinosa L., (T) MM 5423

ARECACEAE

Sabal minor (Jacq.) Pers., (H T) MM 5930, 5316; LB 27459a

ARISTOLOCHIACEAE

Aristolochia reticulata Jacq., (T) MM 5052

Aristolochia serpentaria L., (H) GW 2645, 2651; DJ 1790

ASCLEPIADACEAE

Asclepias longifolia Michx., (T) MM 5080

Asclepias obovata Elliott, (T) MM 5758, 5050, 5190; LB 27588

Asclepias perennis Walter, (H) MM 5636

Asclepias rubra L., (H) GW 544

Asclepias tuberosa Woodson, (T) MM 5468

Asclepias variegata L., (H) GW 76, 2627; MM 5379, 5410

Asclepias verticillata L., (T) GW 1167, 2749

Matelea cynanchoides (Engelm.) Woodson, (H) LB 27126; GW 2649

Matelea gonocarpus (Walter) Shinnery, (H) LB 27462

ASPLENIACEAE

Asplenium platyneuron (L.) Britton, Sterns & Poggenb., (H) DJ 1789

ASTERACEAE

Ageratina altissima (L.) R.M. King & H. Rob., (H) MM 5911, 5919; LB 27506, 27460

Ambrosia artemisiifolia L., (H T) LB 27499; MM 5155; CL 901113

Ambrosia psilostachya DC., (H) MM 5933

Ambrosia trifida L., (T) DJ 2092

Arnoglossum ovatum (Walter) H. Rob., (T) MM 5070, 3508; GW 2685

Baccharis halimifolia L., (T) GW 2860

Berlandiera pumila (Michx.) Nutt. var. *pumila*, (H T) MM 5463, 5395

Berlandiera pumila (Michx.) Nutt. var. *scabrella* Nesom & B.L. Turner, (H) MM 5463; LB 27146

Bidens aristosa (Michx.) Britton, (H T) MM 5660, 5409; GW 2826, 2629

Bidens bipinnata L., (H) DJ 2000

Bidens frondosa L., (H T) GW 2895; DJ 1945, 2041

Bigelovia nuttallii L.C. Anderson, (H) Brown 30128

Boltonia diffusa Elliott, (H T) MM 5673, 5185, 3509; GW 2440

Chaptalia tomentosa Vent., (T) MM 5288, 3625

Chrysopsis mariana (L.) Elliott, (H T) MM 5898, 5761; LB 5578, 8155

Chrysopsis pilosa Nutt., (H T) CL 901190, 901195; GW 2389

Cirsium horridulum Michx., (T) MM 6069

Conoclinium coelestinum (L.) DC., (H T) MM 5768, 5809 5917; LB 27075

Conyza canadensis (L.) Cronquist var. *pusilla* (Nutt.) Cronquist, (H T) MM 5819; DJ 1852

+*Coreopsis intermedia* Sherff, (T) DJ 2088a

Coreopsis linifolia Nutt., (T) MM 3627

Coreopsis tinctoria Nutt., (H) DJ 2012

Croptilon divaricatum (Nutt.) Raf., (H T) LB 27484; MM 5146, GW 2379; CL 901184

Echinacea pallida (Nutt.) Nutt. var. *sanguinea* (Nutt.) Gandhi & R.D. Thomas, (H T) LB 27575; MM 5378, 5462

Elephantopus carolinianus Raeusch., (H T) MM 5796; LB 27513

Elephantopus nudatus A. Gray, (T) GW 2868, 2865

Elephantopus tomentosus L., (H T) MM 5745, 5116; LB 27120

Erechtites hieracifolia (L.) Raf. ex DC., (H T) DJ 1788

Erigeron philadelphicus L., (H T) MM 5445, 6035

Erigeron strigosus Muhl. ex Willd., (H T) MM 5445, 6046; GW 2541; DJ 2104

Eupatorium capillifolium (Small) Lam., (T) LB 27586

Eupatorium compositifolium Walter, (T) DJ 2083, 1888; LB 14892

Eupatorium lancifolium (Torr. & A. Gray) Small, (T) MM 5748, 5114; LB 27526; DJ 2052

Eupatorium leucolepis (DC.) Torr. & A. Gray, (T) MM 5747, 5059

Eupatorium mohrii Greene, (H T) GW 2179; DJ 2067

Eupatorium perfoliatum L., (H) DJ 1981

Eupatorium rotundifolium L., (T) MM 5102

Eupatorium semiserratum DC., (H T) LB 27581; GW 2180; DJ 1946, 1994

Eupatorium serotinum Michx., (H) MM 5148

Eurybia hemispherica (Alexander) Nesom, (T) MM 5891, 5188, GW 2847; LB 6660

Euthamia leptocephala (Torr. & A. Gray) Greene ex Porter & Britton, (T) GW 2864b

Gaillardia aestivalis (Walter) H. Rock var. *aestivalis*, (H) MM 4964

Gaillardia pulchella Foug. var. *pulchella*, (H) MM 5678

Gamochaeta coarctata (Willd.) Kergerulen, (H) GW 2479; MM 6059

Gamochaeta purpurea (L.) Cabrera, (H) GW 2473; 2615

Helenium amarum (Raf.) H. Rock var. *amarum*, (H T) MM 5762, 5140

Helenium drummondii H. Rock, (H) MM 5301

Helenium flexuosum Raf., (T) GW 2626; MM 5439; LB 18654

Helianthus angustifolium L., (T) LB 27590

Helianthus debilis Nutt. var. *silvestris* (Heiser) Cronquist, (H) LB 27131a

Heterotheca subaxillaris (Lam.) Britton & Rusby, (H) MM 5156

Hieracium gronovii L., (H T) LB 27464a, 27130, 27547; MM 5145

Hymenopappus artemisiifolius DC. var. *artemisiifolius*, (T) MM 5450, 5281

Iva angustifolia DC., (H) DJ 2102

Iva annua L., (T) GW 2850

Krigia cespitosa (Raf.) K.L. Chambers, (H) GW 2534, 2617b

- Krigia wrightii* (A. Gray) K. L. Chambers ex K. J. Kim, (T) MM 5277
- Lactuca canadensis* L., (H) DJ 2109
- Lactuca floridana* (L.) Gaertn., (H) DJ 1793
- Liatris acidota* Engelm. & A. Gray, (H T) MM 5676, 5082; LB 27153
- Liatris elegans* (Walter) Michx. var. *elegans*, (H T) MM 5896, 5915, 5184
- Liatris pycnostachya* Michx., (T) MM 5091
- Liatris squarrosa* (L.) Michx. var. *squarrosa* (T) MM 5771
- Marshallia graminifolia* (Walter) Small var. *cynanthera* (Elliott) Beadle & F. A. Boynt., (T) MM 4006
- Mikania scandens* (L.) Willd., (H) DJ 1689
- Oligoneuron nitidum* (Torr. & A. Gray) Small, (H T) MM 5755, 5062, GW 2846; DJ 1693
- Palafoxia reverchonii* (Bush) Cory, (H) MM 4130; GW 2380
- Pityopsis graminifolia* (Michx.) Nutt., (T) MM 5283, 3715
- Pluchea camphorata* (L.) DC., (H T) MM 5804; GW 2764; DJ 1939
- Pluchea foetida* (L.) DC., (H T) MM 5680, 5196
- Pluchea rosea* Godfrey, (H T) MM 5669, 3653
- Pseudognaphalium obtusifolium* (L.) Hillard & Burt, (H) MM 5913, 5161, 5159; GW 2367
- Rudbeckia hirta* L., (H T) MM 4972, 5367, PH 291
- Pyrrhopappus carolinianus* (Walter) DC., (T) DJ 1723
- Silphium gracile* A. Gray, (T) MM 5189
- Smallanthus uvedalius* (L.) Mack. ex Small, (H) MM 5388; LB 27124
- Solidago caesia* L., (T) GW 3464, 3465
- Solidago canadensis* L., (T) GW 2862, 2863, 3470, 3471
- Solidago ludoviciana* (A. Gray) Small, (H T) MM 5767, 5788; GW 3468; LB 27150
- Solidago odora* Aiton var. *odora*, (T) GW 2372, 2864a; LB 27566
- Solidago petiolaris* Aiton, (T) GW 2751, 3459
- Solidago rugosa* Mill. ssp. *asper* (Aiton) Cronquist, (H T) LB 27486; GW 2431, 2832
- Solidago rugosa* Mill. ssp. *rugosa*, (T) DJ 1964
- Solidago tortifolia* Elliott, (NC) GW 3458b
- **Sonchus asper* (L.) Hill, (T) MM 5902
- **Sonchus oleraceus* L., (T) MM 5294
- Symphyotrichum dumosum* (L.) Nesom, (H T) GW 2429b, 2430a; MM 3743; LB 27113
- Symphyotrichum divaricatum* (Nutt.) Nesom (T) GW 2429a, 2866
- Symphyotrichum lateriflorum* (L.) A. & D. Love, (H T) GW 2834, 3445
- Symphyotrichum pratense* (Raf.) Nesom, (T) MM 5908; CL 901189; GW 2897
- Symphyotrichum racemosum* (Elliott) Nesom, (T) LB 27570
- Thelesperma flavodiscum* (Shinners) B. L. Turner, (H) GW 2653, 2827; LB 27129
- Verbesina helianthoides* Michx., (H) DJ 1663
- Verbesina virginica* L., (H) MM 5924, 5171
- Vernonia missurica* Raf., (H) GW 206b, 2680; DJ 1815
- Vernonia texana* (A. Gray) Small, (T) MM 5752
- BERBERIDACEAE**
- Podophyllum peltatum* L., (H T) MM 5239, 5298
- BETULACEAE**
- Alnus serrulata* (Aiton) Willd., (T) DJ 1739, 1730
- Betula nigra* L., (H) DJ 1673
- Carpinus caroliniana* Walter, (H T) LB 27491; MM 4987, 5437; GW 918
- Ostrya virginiana* (Mill.) K. Koch, (H) GW 206a
- BIGNONIACEAE**
- Bignonia capreolata* L., (H T) MM 6052, 6043
- Catalpa speciosa* (Warder) Warder ex Engelm., (H T) GW 2624; DJ 1680
- BLECHNACEAE**
- Woodwardia areolata* (L.) T. Moore, (T) MM 5261
- Woodwardia virginica* (L.) Small., (T) MM 5087; DJ 1706
- BORAGINACEAE**
- Heliotropium indicum* L., (H) MM 5644
- Lithospermum caroliniense* (Walter ex J. F. Gmel.) MacMill., (H) LB 27131
- Myosotis macrocarpa* Engelm., (H) MM 5304
- BROMELIACEAE**
- Tillandsia usneoides* (L.) L., (H) LB 27469; MM 5173
- BUDDLEJACEAE**
- Polypremum procumbens* L., (H) MM 4994, 5364, 5393
- BURMANNIACEAE**
- Apteris aphylla* Nutt., (T) DJ 1895
- Burmanna capitata* (J. F. Gmel.) Mart., (T) MM 5772

CACTACEAE

- Lobelia appendiculata* A.DC., (HT) MM 5365, 5456
Lobelia cardinalis L., (H) DJ 1953
Lobelia puberula Michx., (H T) MM 5894, CL 901197, 901112; LB 8148
Lobelia reverchonii B.L. Turner, (HT) MM 5895; GW 2831
Triodanis perfoliata (L.) Nieuwl., (H) GW 2614
 **Wahlenbergia marginata* (Thunb.) A. DC., (H T) DJ 2062; MM 6056

CAMPANULACEAE

- Lobelia appendiculata* A.DC., (HT) MM 5365, 5456
Lobelia cardinalis L., (H) DJ 1953
Lobelia puberula Michx., (H T) MM 5894, CL 901197, 901112; LB 8148
Lobelia reverchonii B.L. Turner, (HT) MM 5895; GW 2831
Triodanis perfoliata (L.) Nieuwl., (H) GW 2614
 **Wahlenbergia marginata* (Thunb.) A. DC., (H T) DJ 2062; MM 6056

CAPPARACEAE

- **Cleome hassleriana* Chodat., (H) DJ 1963, 2070

CAPRIFOLIACEAE

- **Lonicera japonica* Thunb., (H) MM 5391
Lonicera sempervirens L., (H) MM 5244; DJ 1685
Sambucus nigra L. ssp. *canadensis* (L.) R. Bolli, (H) MM 5384; LB 27110
Viburnum acerifolium L., (H T) LB 27487; GW 2629
Viburnum dentatum L., (HT) MM 5795, 5005, 4970; LB 27077
Viburnum nudum L. var. *cassinoides* (L.) Torr & A. Gray (including *V. nitidum* Aiton), (T) DJ 1731
Viburnum rufidulum Raf., (H T) DJ 2003, 2085

CARYOPHYLLACEAE

- **Cerastium glomeratum* Thuill., (H) MM 5307, 6053
Sagina decumbens (Elliott) Torr. & A. Gray, (H) MM 6005
Silene subciliata B.L. Rob., (H T) MM 5801, 5157; DJ 1684

CELASTRACEAE

- Euonymus americanus* L., (H) MM 6042

CHENOPODIACEAE

- +*Dysphania ambrosioides* (L.) Mosyakin & Clements, (H) MM 5932; LB 27457

CISTACEAE

- Helianthemum carolinianum* (Walter) Michx., (H T) DJ 1646, 1891; MM 6057

- Helianthemum georgianum* Chapm., (T) DJ 2064
Lechea mucronata Raf., (H T) MM 5786, 5012; DJ 2053 1701
Lechea tenuifolia Michx., (H) DJ 1700

CLETHRACEAE

- Clethra alnifolia* L., (T) SE 2034; LB 18634; DJ 1787

COMMELINACEAE

- Commelina erecta* L., (H T) MM 5806, 4772; LB 27070; GW 2668
Commelina virginica L., (H) DJ 1677
Tradescantia reverchonii Bush, (H) MM 4996

CONVOLVULACEAE

- Dichondra carolinensis* Michx., (HT) MM 5251; SE 2018; LB 27095a
Jacquemontia tamnifolia (L.) Griseb., (T) DJ 2044
 **Ipomoea hederacea* Jacq., (T) MM 5799
Ipomoea pandurata (L.) G.F.W. Mey., (T) DJ 1733, 1736
Ipomoea cordatotriloba Dennst., (T) DJ 1784
Stylisma pickeringii (Torr. ex. M.A. Curtis) A. Gray var. *pattersonii* (Fernald & B.G. Schub.) Myint, (H) DJ 1650

CORNACEAE

- Cornus florida* L., (H T) LB 27470; MM 5170, 5238; SE 2019
Nyssa aquatica L., (T) DJ 1740
Nyssa biflora Walter, (HT) MM 5197, 5086; DJ 2004; LB 27565
Nyssa sylvatica Marshall, (H T) MM 5116a, 5001

CRASSULACEAE

- Penthorum sedoides* L., (H) GW 2675

CUPRESSACEAE

- Juniperus virginiana* L., (H) MM 4975
Taxodium distichum (L.) L.C. Rich. var. *distichum*, (H) MM 5271; LB 27463

CUCURBITACEAE

- Melothria pendula* L., (H) DJ 1792

CUSCUTACEAE

- Cuscuta compacta* Juss. ex Choisy, (T) LB 8157; DJ 2090

CYPERACEAE

- *+*Bulbostylis barbata* (Rottb.) C. B. Clark, (T) DJ 2037
Bulbostylis ciliatifolia (Elliott) Fernald var. *coarctata* (Elliott) Kral, (H T) MM 5158, 5002; DJ 1961, 2035

- Carex atlantica* Bailey ssp. *capillacea* (Bailey) Reznicek, (T) MM 5256
Carex brevior (Dewey) Mack.ex Lunell, (T) DJ 1880
Carex caroliniana Schwein., (T) MM 5418
Carex crebriflora Wiegand, (T) MM 5415
Carex debilis Michx. var. *debilis*, (H T) MM 5419, 5270; LB 27083
Carex flaccosperma Dewey, (T) MM 5430
Carex glaucescens Elliott, (T) MM 5775, 5073
Carex intumescens Rudge, (H T) MM 5413; LB 27086
Carex jorii Bailey, (H T) MM 5789; LB 27459; DJ 2075, 1813
Carex lonchocarpa Willd., (H) MM 5649; LB 27072a
Carex louisianica Bailey, (H) MM 5642; LB 27093
Carex lurida Wahlenb., (T) DJ 2036
Carex muehlenbergii Schkuhr ex Willd. var. *enervis* Boott, (H) MM 5405
Carex styloflexa Buckley, (T) MM 5414, 5262
Carex tenax Chapm., (H) MM 5632
Carex texensis (Torr.) Bailey, (T) MM 5431
Carex tribuloides Wahlenb., (T) DJ 1746
Cyperus compressus L., (T) DJ 2024
Cyperus croceus Vahl, (H T) MM 5153, 5006; DJ 1794; LB 27071
Cyperus digitatus Roxb., (H T) DJ 1969, 2050
Cyperus echinatus (L.) Wood, (T) LB 18631
 **Cyperus enterianus* Boeck., (T) MM 5784
Cyperus esculentus L., (T) DJ 2040
Cyperus grayioides Mohlenbr., (H) MM 4131, 5652; DJ 1803; LB 27071a
Cyperus haspan L., (T) LB 27594; WC 10844
Cyperus hystericinus Fernald, (H) MM 5923, 4968; LB 27454
Cyperus plukenetii Fernald, (H) DJ 1653
Cyperus retroflexus Buckley, (T) DJ 2023
Cyperus retrorsus Chapm., (H) MM 4961; LB 27482
Cyperus strigosus L., (H) MM 5151
Eleocharis microcarpa Torr., (T) LB 6662; MM 3937; DJ 1870
Eleocharis montana (Kunth) Roem. & Schult., (T) DJ 1861
Eleocharis montevidensis Kunth, (T) MM 5247
Eleocharis tuberculosa (Michx.) Roem. & Schult., (T) MM 3883
Fimbristylis autumnalis (L.) Roem. & Schult., (H T) DJ 1971, 1835
Fuirena breviseta (Coville) Coville, (T) LB 6664
Fuirena bushii Kral, (T) MM 3511
Kyllinga odorata Vahl, (T) DJ 1753
Rhynchospora cephalantha A. Gray, (T) DJ 1822
Rhynchospora colorata (L.) Pfeifer, (H) MM 5375
Rhynchospora corniculata (Lam.) A. Gray, (H T) MM 5811, 5643
Rhynchospora divergens Chapm. ex M.A. Curtis, (H) DJ 2009, 2016, 2017
Rhynchospora elliottii A. Gray, (T) MM 5432; DJ 1705
Rhynchospora fascicularis (Michx.) Vahl, (T) DJ 1707, 1710
Rhynchospora filifolia A. Gray, (T) DJ 1827, 1824
Rhynchospora globularis (Chapm.) Small var. *globularis*, (T) DJ 2094
Rhynchospora globularis (Chapm.) Small var. *pinetorum* (Britton & Small) Gale, (H) DJ 1992, 2006
Rhynchospora glomerata (L.) Vahl, (H T) MM 5665; DJ 2096, 1864; LB 27066
Rhynchospora gracilentia A. Gray, (T) MM 3496
Rhynchospora grayi Kunth, (H) LB 27137
Rhynchospora harveyi W. Boott, (T) LB 18632, 18659
Rhynchospora inexpansa (Michx.) Vahl, (H T) LB 27084, 6680
Rhynchospora latifolia (Baldwin ex Elliott) W. W. Thomas, (T) MM 3891; LB 18656
Rhynchospora macrostachya Torr ex A. Gray., (T) DJ 2096a
Rhynchospora mixta Britton, (H T) MM 5653; LB 27123, 18636
Rhynchospora oligantha A. Gray, (T) LB 11092; MM 3495
Rhynchospora perplexa Britton, (T) DJ 1819, 1832, 1826
Rhynchospora plumosa Elliott, (T) MM 3885; DJ 1708
Rhynchospora pusilla M.A. Curtis, (H) LB 30124a
Rhynchospora rariflora (Michx.) Elliott, (T) MM 3884
Rhynchospora recognita (Gale) Kral, (T) DJ 1760, 1781
Sclera ciliata Michx., (T) KC 55
Scleria georgiana Core, (T) MM 3882
Scleria oligantha Michx., (T) MM 5471
Scleria reticularis Michx., (T) MM 3499
Scleria triglomerata Michx., (T) MM 5269
Scirpus cyperinus (L.) Kunth, (T) DJ 1823
- CYRILLACEAE**
Cyrilla racemiflora Raf., (H T) LB 27473a; MM 3505, 5089

DENNSTAEDTIACEAE

Pteridium aquilinum (L.) Kuhn, (H T) MM 5120, 5313; LB 27121

DIOSCOREACEAE

+*Dioscorea villosa* L., (H) DJ 1796, 1811, 1962; MM 6036

DROSERACEAE

Drosera brevifolia Pursh, (T) MM 3789

Drosera capillaris Poir., (T) MM 3889

DRYOPTERIDACEAE

Athyrium filix-femina (L.) Roth var. *asplenioides* (Michx.) Farw., (T) MM 5429, 5258; DJ 1967, 1729

Onoclea sensibilis L., (H) DJ 1683

Polystichum acrostichoides (Michx.) Schott, (H) MM 5310; GW 109

EBENACEAE

Diospyros virginiana L., (T) MM 5474

ERICACEAE

Lyonia mariana (L.) D. Don, (H T) MM 4064; DJ 1807

Rhododendron canescens (Michx.) Sweet, (H T) MM 5226, 5237, SE 2020

Rhododendron viscosum (L.) Torr., (T) PH 004

Vaccinium arboreum Marshall, (H) MM 5008, 5407

Vaccinium corymbosum L., (H T) MM 5280, 5312; DJ 1742, 2086

Vaccinium stamineum L., (T) LB 27580; PH 008, 237

ERIOCAULACEAE

Eriocaulon decangulare L., (T) MM 5083

Lachnocaulon anceps (Walter) Morong, (HT) MM 5059; GW 2556

EUPHORBIACEAE

Acalypha gracilens A. Gray, (T) LB 27523; DJ 1774

Acalypha rhomboidea Raf., (H T) GW 2671; DJ 1775

Chamaesyce cordifolia (Elliott) Small, (H) LB 27068, 27448; MM 5150; GW 2377

Chamaesyce maculata (L.) Small, (T) LB 27554; DJ 2100

Chamaesyce nutans (Lag.) Small, (T) LB 27562

Cnidioscolus texanus (Mull. Arg.) Small, (H) MM 4988, 5389; LB 27118

Croton argyranthemus Michx., (H T) MM 5058, 5449, GW 2613; LB 27141

Croton capitatus Michx., (T) MM 5208, 5064; CL 901188

Croton glandulosus L. var. *septrionalis* Mull. Arg. (T) MM 5204, GW 2656

Croton michauxii G.L. Webster, (H) GW 2423b, 2438; LB 27119

Croton willdenowii G.L. Webster, (T) DJ 2063; LB 19685

Euphorbia corollata L., (T) LB 27529; MM 5759, 5109, 5192

Phyllanthus caroliniensis Walter, (T) DJ 1773

**Phyllanthus urinaria* L., (T) LB 27561

Sebastiania fruticosa (W. Bartram) Fernald, (H T) LB 27498, 27073; MM 5053, 4962;

Stillingia sylvatica Garden ex L., (T) MM 5054, 5448

Tragia smallii Shinnars, (T) MM 5056; LB 18633

Tragia urens L., (H) GW 2382, 2650, 2658; LB 27119a

Tragia urticifolia Michx., (T) MM 5205, 5101, 5464

**Triadica sebifera* (L.) Small, (H) MM 4998; LB 27091

FABACEAE

**Albizia julibrissin* Durazzo, (H) MM 5167; LB 27108

Amorpha paniculata Torr. & A. Gray, (T) MM 5800

Apios americana Medik., (H) DJ 1951

Baptisia nuttalliana Small, (H) LB 27128

Centrosema virginianum (L.) Benth., (T) MM 5798; GW 2709a, 2745

Cercis canadensis L. var. *canadensis*, (T) MM 5183

Chamaecrista fasciculata (Michx.) Greene, (T) MM 5760, 5065; GW 2744; CL 901118

Chamaecrista nictitans (L.) Moench, (NC) GW 2739

Clitoria mariana L., (H) LB 27081

Crotalaria sagittalis L., (T) DJ 1851; CL 90191

Desmanthus illinoensis (Michx.) MacMill. ex B.L. Rob. & Fernald, (T) DJ 1854

Desmodium ciliare (Muhl. ex Willd.) DC., (HT) MM 5893; GW 2738; DJ 2107, 1804

Desmodium glabellum (Michx.) DC., (NC) GW 2366, 2743

Desmodium laevigatum (Nutt.) DC., (T) DJ 2018

Desmodium nuttallii (Schindl.) B. G. Schub., (H T) DJ 2111, 1656, 1853

Desmodium obtusum (Muhl. ex Willd.) DC., (H) LB 27507

Desmodium paniculatum (L.) DC., (H) MM 5143; GW 2740

Desmodium rotundifolium DC., (T) DJ 1959

Desmodium viridiflorum (L.) DC., (T) GW 2741, 2742

Erythrina herbacea L., (T) DJ 1750

Galactia volubilis (L.) Britton, (H) LB 27477; GW 2643

**Kummerowia striata* (Thunb.) Schindl., (H) DJ 1696

Indigofera suffruticosa Mill., (H) MM 5928, 5160; LB 27452

**Lespedeza cuneata* (Dum.Cours.) G. Don, (H) DJ 1697

Lespedeza hirta (L.) Hornem. (H T) DJ 1809, 1764

Lespedeza repens (L.) Barton, (T) DJ 2030

Lespedeza stuevei Nutt., (H T) DJ 2107a, 1853, 1848

Mimosa hystricina (Small ex Britton & Rose) B.L. Turner, (T) MM 5443; PH 009

Mimosa latidens (Small) B.L. Turner, (H) LB 27139, 27449

Mimosa strigillosa Torr. & A. Gray, (T) DJ 1847

Rhynchosia difformis (Elliott) DC., (H T) LB 27464, 18657; GW 2430b; DJ 1988a

Rhynchosia latifolia Nutt. ex Torr. & A. Gray, (H) DJ 1691

Rhynchosia reniformis DC., (H) LB 27127; MM 5392, 5460

Senna obtusifolia (L.) Irwin & Barneby, (T) DJ 1855

**Senna occidentalis* (L.) Link, (T) DJ 2022

Sesbania drummondii (Rydb.) Cory, (T) DJ 1779

Strophostyles helvula (L.) Elliott, (T) LB 27546

Strophostyles umbellata (Muhl. ex Willd.) Britton, (H T) MM 5785, 5746; LB 27097; GW 2760

Stylosanthes biflora (L.) Britton, Sterns & Poggenb., (T) MM 5051, 5454

Tephrosia onobrychoides Nutt., (T) LB 27584

Tephrosia virginiana (L.) Person, (H) DJ 1659; LB 27082

**Trifolium campestre* Schreb., (H) MM 5248

**Trifolium repens* L., (H) MM 6041

Wisteria frutescens (L.) Poir., (H T) MM 5311; DJ 1786; LB 27112

Zornia bracteata J.F. Gmel., (H T) GW 2746; DJ 1988, 1988a; MM 6045

FAGACEAE

Castanea pumila (L.) Mill. var. *pumila*, (T) MM 5807

Fagus grandifolia Ehrh., (H T) MM 5115, 5264; LB 27493

Quercus alba L., (H T) LB 27480; MM 5063, 4977, 5422

Quercus falcata Michx., (H T) MM 4956, 5382, 5368; LB 27564

Quercus hemisphaerica W. Bartram ex Willd., (H) MM 4984, 4957, 5406; LB 27502

Quercus incana W. Bartram, (H) MM 5394, 5396; LB 27144

Quercus laurifolia Michx., (H T) MM 5074, 5075; LB 27497, 27494

Quercus margaretta (Ashe) Ashe, (H T) LB 27455; MM 5112, 4979, 4995

Quercus marilandica Munchh., (T) MM 6051

Quercus michauxii Nutt., (H T) LB 27483; MM 4982, 5434, 5233

Quercus nigra L., (H) MM 4985, 5386

Quercus phellos L., (H) LB 27485

+*Quercus velutina* Lam., (T) PH 313

Quercus virginiana Mill., (H) LB 27468

GENTIANACEAE

Bartonia verna (Michx.) Raf. ex Barton, (T) MM 5670

Sabatia gentianoides Elliott, (H T) MM 5670, 4007

GERANIACEAE

Geranium carolinianum L., (H T) MM 6066, 6058, 6054

GROSSULARIACEAE

Itea virginica L., (H T) LB 27473a, 27092; GW 2632

HALORAGACEAE

Myriophyllum pinnatum (Walter) Britton, Sterns & Poggenb., (T) GW 2308

Proserpinaca palustris L., (T) MM 5776

Proserpinaca pectinata Lam., (H T) GW 2670b; LB 18658

HAMMAMELIDACEAE

Hamamelis virginiana L., (H T) MM 5010, 5436, 5267

Liquidambar styraciflua L., (H T) LB 27496; MM 4997, 5383, 5297

HIPPOCASTANACEAE

Aesculus pavia L., (H) MM 5234

HYDROPHYLLACEAE

Hydrolea ovata Nutt. ex Choisy, (H T) MM 5779; GW 2683

HYPERICACEAE

Hypericum drummondii (Grev. & Hook.) Torr. & A. Gray, (H T) DJ 1997; PH 901136

Hypericum crux-andreae (L.) Crantz, (T) DJ 1702

Hypericum galioides Lam., (T) MM 5663, 3502; LB 6681

Hypericum gentianoides (L.) Britton, Sterns & Poggenb., (T) MM 5751; LB 5580

Hypericum gymnanthum Engelm. & A. Gray, (T) KC 38

Hypericum hypericoides (L.) Crantz, (HT) MM 5055, 4983

Hypericum mutilum L., (H) LB 27122

Triadenum tubulosum (Walter) Gleason, (H) MM 5921, 5638; LB 27451, 27103

Triadenum walteri (J.G. Gmel.) Gleason, (HT) MM 5814; LB 27462, 27451; GW 2893

IRIDACEAE

Alopha drummondii (R. A. Graham) R. C. Foster, (T) MM 5061

Sisyrinchium angustifolium Mill., (T) MM 5412

Sisyrinchium campestre E.P. Bicknell, (T) MM 5220; GW 2545

Sisyrinchium rosulatum E. P. Bicknell, (H T) MM 5458; GW 2477

Sisyrinchium sagittiferum E. P. Bicknell, (H T) MM 6067, 6044

JUGLANDACEAE

Carya aquatica (Michx.f.) Nutt., (H) MM 5640, 5639
Carya cordiformis (Wangenh.) K. Koch, (H) MM 5926; LB 27456

Carya glabra (Mill.) Sweet, (H) DJ 1984, 1985

Carya texana Buckley, (H) MM 5654, 5655, 5164; LB 27132

Carya tomentosa (Lam. ex Poir.) Nutt., (H T) MM 5815, 5433; DJ 1987; LB 27142

JUNCACEAE

Juncus acuminatus Michx., (T) DJ 1747

Juncus dichotomus Elliott, (T) DJ 2099, 1862

Juncus marginatus Rostk., (T) DJ 1860, 1767

Juncus repens Michx., (T) MM 5778; DJ 1836

Juncus scirpoides Lam., (T) DJ 2032, 2089, 1768, 1887

Juncus tenuis Willd., (H) LB 27115

Juncus validus Coville, (T) MM 5067; DJ 2091, 1763

LAMIACEAE

Hedeoma drummondii Benth., (H) GW 2617a

Hyptis alata (Raf.) Shinnery, (T) MM 5071, 3625; DJ 1759, 1899

Lycopus rubellus Moench, (T) MM 5805; GW 2867

Lycopus virginicus L., (HT) GW 2894; DJ 2082, 2087

Monarda punctata L., (H T) MM 5816, 5145

**Perilla frutescens* (L.) Britton, (H) LB 8149, 27147

Physostegia digitalis Small, (T) DJ 1777, 1722

Prunella vulgaris L., (T) MM 5467

Pycnanthemum albescens Torr. & A. Gray, (T) DJ 1856

Salvia azurea var. *grandiflora*. Michx ex Lam., (T) MM 5180; GW 2899; LB 27578

Salvia lyrata L., (H T) MM 4981, 5254

Scutellaria cardiophylla Engelm. & A. Gray, (H) GW 2654

Scutellaria elliptica Muhl.ex Spreng., (H) MM 5377, 5356; LB 27149, 18629

Scutellaria integrifolia L., (HT) MM 3881, 5440; GW 2612

Stachys crenata Raf., (H) MM 5308

Stachys tenuifolia Willd., (H) GW 2674

Teucrium canadense L., (H) DJ 1670

Trichostema dichotomum L., (HT) MM 5914, 5899, 5817, CL 901185

Trichostema setaceum Houtt., (H) GW 2376

LAURACEAE

Persea borbonia (L.) Spreng., (H) DJ 1668

Persea palustris (Raf.) Sarg., (H T) MM 5918, 5195, 5181, 5105

Sassafras albidum (Nutt.) Nees, (H) LB 27080

LENTIBULARIACEAE

Pinguicula pumila Michx., (H T) MM 5094, 5303, 3790

Utricularia subulata L., (T) MM 5222; LB 11091

LILIACEAE

Aletris aurea Walter, (T) MM 3629

Allium canadense L. var. *mobile* (Regel) Ownbey, (H) MM 5373

Hypoxis curtissii Rose, (H T) MM 5783, 5438; GW 2670; DJ 1737

Hypoxis hirsuta (L.) Coville, (T) MM 3720

Hypoxis rigida Chapm., (T) GW 2757

Hypoxis sessilis L., (T) DJ 2034

**Lilium formosanum* Wallace, (T) DJ 1896

Nothoscordum bivalve (L.) Britton, (T) MM 529; SE 2014

**Ophiopogon jaburan* Lodd., (H) DJ 1797

Schoenolirion croceum (Michx.) Wood, (T) MM 3792

Triantha racemosa (Walter) Small, (T) MM 3513; PH 011

+*Trillium recurvatum* Beck, (H) MM 5318

LINACEAE

Linum medium (Planch.) Britton var. *texanum* (Planch.) Fernald, (H T) MM 5072, 5347; DJ 2051

Linum striatum Walter, (NC) GW 2427

LOGANIACEAE

Gelsemium sempervirens (L.) J. St.-Hil., (H T) MM 5057, 5236

Mitreola petiolata (J.F. Gmel.) Torr. & A. Gray, (T) MM 5787; DJ 1758

Mitreola sessilifolia (J.F. Gmel.) G. Don, (T) MM 5773, 3510

LYCOPODIACEAE

Lycopodiella appressa (Chapm.) Cranfill, (T) MM 3506

LYGODIACEAE

**Lygodium japonicum* (Thumb. ex Murr.) Sw., (H T) MM 5119, 5225; LB 27094

LYTHRACEAE

Ammannia coccinea Rottb., (T) GW 2855

**Cuphea carthagenensis* (Jacq.) J.F. Macbr., (T) MM 5812, 5650; WC 10841; GW 2432

Rotala ramosior (L.) Koehne, (H) DJ 1938

MAGNOLIACEAE

Magnolia grandiflora L., (H T) LB 27489; MM 4999, 5266

Magnolia virginiana L., (T) MM 5085

MALVACEAE

Hibiscus moscheutos L., (NC) GW 2560

Malvaviscus arboreus Dill. ex Cav. var. *drummondii* (Torr. & A. Gray) Schery, (H) MM 5633; GW 2836; LB 27136

Sida rhombifolia L., (H) MM 5645

Sida spinosa L., (T) DJ 2056

MELASTOMATACEAE

Rhexia lutea Walter, (T) MM 3944; DJ 1714

Rhexia mariana L., (T) MM 5756, 3942; GW 2753, 2873

Rhexia petiolata Walter, (T) GW 2433

MENISPERMACEAE

Cocculus carolinus (L.) DC., (T) GW 2646

MOLLUGINACEAE

Mollugo verticillata L., (H) MM 5003; DJ 1675

MONOTROPACEAE

Monotropa uniflora L., (T) MM 5892; SE 2033

MORACEAE

Morus rubra L., (H T) MM 5769, 5427; GW 2464b, 2621

MYRICACEAE

Morella carolinensis (Mill.) Small, (H T) MM 5092, 5424; DJ 1748

Morella cerifera (L.) Small, (T) MM 5093, 5246; GW 2833

OLEACEAE

Chionanthus virginicus L., (T) MM 6061

Forestiera acuminata (Michx.) Poir., (T) GW 2293

Fraxinus americana L., (H T) MM 5808; GW 1446a, 2454; LB 27096

Fraxinus caroliniana Mill., (H) DJ 1970

Fraxinus pennsylvanica Marshall, (H T) MM 5791, 5792; LB 27461a

**Ligustrum sinense* Lour., (H) MM 5385; LB 27105

ONAGRACEAE

Gaura lindheimeri Engelm. & A. Gray, (H) MM 5671

Gaura longiflora Spach, (H T) MM 5889, 5141; DJ 2103

Ludwigia alternifolia L., (T) DJ 1772

Ludwigia decurrens Walter, (T) GW 2755a, 2861

Ludwigia glandulosa Walter, (H T) GW 2672, 2762; DJ 1986

Ludwigia hirtella Raf., (T) DJ 1770

Ludwigia linearis Walter, (H T) MM 5781, 5668, 5069; GW 2871

+*Ludwigia microcarpa* Michx., (T) DJ 1885

Ludwigia octovalvis (Jacq.) Raven, (H) DJ 2008

Ludwigia palustris (L.) Elliott, (H) DJ 1943

Ludwigia pilosa Walter, (H T) GW 2758; MM 3599; DJ 1979

Oenothera biennis L., (H T) DJ 2054, 2110

Oenothera laciniata Hill, (T) MM 6065

Oenothera mexicana Spach, (H) MM 5380

OPHIOGLOSSACEAE

Botrychium biternatum (Sav.) Underwood, (H T) MM 5909, 5299; LB 27467

Botrychium virginianum (L.) Sw., (H) GW 2667

ORCHIDACEAE

Calopogon tuberosus (L.) Britton, Sterns & Poggenb., (T) MM 3945

Spiranthes cernua (L.) L.C. Rich., (T) MM 5897, 5903; LB 27531

Spiranthes tuberosa Raf., (T) PH 312

Spiranthes vernalis Engelm. & A. Gray, (H) MM 5376

Tipularia discolor (Pursh) Nutt., (T) MM 5296

OROBANCHACEAE

Epifagus virginiana (L.) Barton, (T) MM 5257

OSMUNDACEAE

Osmunda cinnamomea L., (T) MM 3794; DJ 1846

Osmunda regalis L. var. *spectabilis* (Willd.) A. Gray, (T) MM 3793

OXALIDACEAE

+*Oxalis corniculata* L. var. *wrightii* (A. Gray) B.L. Turner, (T) GW 2524; MM 5206, 5447, 5276

**Oxalis debilis* Kunth var. *corymbosa* (DC.)
 Lourteig, (T) DJ 1771

Oxalis lyonii Pursh, (T) M 5252

Oxalis violacea L., (T) MM 5193, 5469

PASSIFLORACEAE

Passiflora lutea L., (H) MM 5674, 5169; LB 27450,
 27154

PHYTOLACCACEAE

Phytolacca americana L., (H T) MM 5813; GW 306

PINACEAE

Pinus echinata Mill., (H T) MM 5242; GW 822; LB
 27067

**Pinus elliotii* Engelm., (T) MM 5223

Pinus palustris Mill., (T) MM 5088; GW 823, 917

Pinus taeda L., (H) MM 4959, 5243

PLANTAGINACEAE

Plantago aristata Michx., (H) GW 2610a

**Plantago major* L., (T) LB 27151

Plantago virginica L., (H) MM 5390, 5305; GW
 2609a

PLATANACEAE

Platanus occidentalis L., (H) MM 5166

POACEAE

Agrostis eliottiana Schult., (H) GW 2547

Agrostis hyemalis (Walter) Britton, Sterns &
 Poggenb., (H T) GW 2552; DJ 1884

Agrostis perennans (Walter) Tuck., (H T) DJ 1952,
 2080

Andropogon gerardii Vitman, (T) KC 103

Andropogon gyrans Ashe var. *gyrans*, (H) GW
 2369b

Andropogon glomeratus (Walter) Britton, Sterns
 & Poggenb., (T) MM 6060

Andropogon ternarius Michx., (T) PH 901129,
 901131; GW 2904

Andropogon virginicus L., var. *virginicus*, (H T) MM
 5916; GW 2369a; LB 27527, 8159

Anthaenantia texana (Nutt.) Kral, (T) LB 6679,
 27542; GW 2900; MM 3619

Aristida desmantha Trin. & Rupr., (H) GW 2361,
 2383, 2828

Aristida lanosa Muhl. ex Willd., (H) GW 2362, 2835,
 2393, 2825

Aristida longispica Poir. var. *geniculata* (Raf.)
 Fernald, (H) GW 2824

Aristida longispica Poir. var. *longispica*, (T) LB
 27533

Aristida palustris (Chapm.) Vasey, (T) MM 3618; LB
 19685

Aristida purpurascens Poir. var. *purpurascens*, (T)
 KC 126

Aristida purpurascens Poir. var. *virgata* (Trin.) All-
 red, (T) MM 5744, 3498; LB 27537, 19683

Arundinaria gigantea (Walter) Muhl., (H) MM
 5168, 5265, GW 1305; LB 27488

Axonopus fissifolius (Raddi) Kuhlm., (H T) MM
 5198, 5111, LB 27104; GW 2669b

**Briza minor* L., (H T) MM 5306, 5274; GW 2543

Cenchrus spinifex Cav., (H) DJ 1674

Chasmanthium latifolium (Michx.) Yates, (H T)
 MM 5794; LB 27495

Chasmanthium laxum (L.) Yates var. *laxum*, (H T)
 MM 5177, 5172, 5679, 5753

Chasmanthium laxum (L.) Yates var. *sessiliflorum*
 (Poir.) Wipff & S. Jones, (H) MM 5174, 4960; GW
 2678

Coelorachis rugosa (Nutt.) Nash, (T) MM 5199; GW
 2686

**Cynodon dactylon* (L.) Pers., (T) DJ 1761

Dichanthelium aciculare (Desv. ex Poir.) Gould &
 C.A. Clark var. *aciculare*, (T) LB 27501

Dichanthelium aciculare (Desv. ex Poir.) Gould &
 C.A. Clark var. *angustifolium* (Elliott) S.L. Hatch,
 (H T) DJ 2061, 2065

Dichanthelium acuminatum (Sw.) Gould & C.A.
 Clark var. *acuminatum*, (T) MM 5465, 5452;
 Brown 16013

Dichanthelium acuminatum (Sw.) Gould & C.A.
 Clark var. *longiligulatum* (Nash) Gould & C.A.
 Clark, (H) MM 5366

Dichanthelium boscii (Poir.) Gould & C.A. Clark, (H)
 MM 5387; LB 27107, 18635

Dichanthelium commutatum (Schult.) Gould ssp.
commutatum, (H T) MM 5420, 5098; LB 27501;
 DJ 1935

Dichanthelium consanguineum (Kunth) Gould &
 C.A. Clark, (T) MM 5106

Dichanthelium depauperatum (Muhl.) Gould, (H)
 LB 27145

Dichanthelium dichotomum (L.) Gould var.
dichotomum, (T) MM 5097, 5416, 5417

Dichanthelium dichotomum (L.) Gould var.
microcarpon, (T) DJ 1966

Dichanthelium laxiflorum (Lam.) Gould, (H T) MM
 5315; LB 19682, 11088

Dichanthelium oligosanthos (Schult.) Gould, (T)
 LB 16012

- Dichantherium ovale* (Elliott) Gould & C.A. Clark ssp. *ovale* (T) MM 6277
- Dichantherium polyanthes* Mohlenbr., (T) LB 11089; MM 5453
- Dichantherium scabriusculum* (Elliott) Gould & C.A. Clark, (T) MM 3938 and at SBSC 3949
- Dichantherium sphaerocarpon* (Elliott) Gould, (H) DJ 2001
- Digitaria ciliaris* (Retz.) Koel., (HT) MM 5647, 5648; GW 2851; LB 27595
- Digitaria cognata* (Schult.) Pilg., (H T) GW 2370, 2902; CL 901192
- **Digitaria ischaemum* (Schreb.) Schreb., (T) LB 27525; PH 901137
- Digitaria filiformis* (L.) Koel. var. *villosa* (Walter) Fernald, (H) MM 5925; LB 27453; GW 2368, 2384
- **Echinochloa colona* (L.) Link, (T) GW 2854
- **Eleusine indica* (L.) Gaertn., (T) LB 27544
- Eragrostis elliottii* S.Wats., (T) KC105
- Eragrostis hirsuta* (Michx.) Nees, (H) MM 4971
- Eragrostis hypnoides* (Lam.) Britton, Sterns & Poggenb., (H) GW 2681
- Eragrostis intermedia* Hitchc., (T) DJ 1849
- Eragrostis lugens* Nees, (T) DJ 2028, 2024
- Eragrostis refracta* (Muhl.) Scribn., (T) MM 3623; GW 2434, 2901
- Eragrostis secundiflora* J. Presl & C. Presl ssp. *oxylepis* (Torr.) S.D. Koch, (HT) MM 5658, 5661; DJ 2057, 2055
- Eragrostis spectabilis* (Pursh) Steud., (T) MM 5743, 5900; DJ 2021
- **Eremochloa ophiuroides* (Munro) Hack., (T) DJ 1844
- Eustachys petraea* (Sw.) Desv., (H) DJ 1998
- Gymnopogon ambiguus* (Michx.) Britton, Sterns & Poggenb., (T) CL 901183
- Leersia hexandra* Sw., (T) DJ 1838
- Leersia virginica* Willd., (T) DJ 1751
- Melica mutica* Walter, (H T) MM 4966, 5268; GW 2451, 2553
- Oplismenus hirtellus* (L.) Beauvis., (T) LB 27577
- Panicum anceps* Michx., (H T) MM 5757, 5646; DJ 1940, LB 27085a
- Panicum brachyanthum* Steud., (T) MM 5901, 3634; LB 27522, CL 901117, 901193
- Panicum gymnocarpon* Elliott, (T) DJ 1744
- Panicum rigidulum* Bosc ex Nees, (HT) MM 5797; DJ 1816, LB 27085
- Panicum tenerum* Beyr. ex Trin., (H T) MM 5657, 5095; DJ 2007
- Panicum verrucosum* Muhl., (T) MM 3634b
- Paspalum dilatatum* Poir., (T) DJ 1762
- Paspalum floridanum* Michx., (T) MM 3626; LB 27555
- Paspalum langei* (Fourn.) Nash, (H) DJ 1698
- Paspalum laeve* Michx., (T) LB 27536, 27539
- **Paspalum notatum* Flugge, (H) MM 4969
- Paspalum plicatulum* Michx., (HT) MM 5656, 5103, 5370; GW 2664
- Paspalum praecox* Walter, (T) MM 3933, 3719, 3937
- Paspalum repens* Bergius, (H T) DJ 1975, 2081
- Paspalum setaceum* Michx., (H T) GW 2381, 2363; LB 27079, 27140
- **Paspalum urvillei* Steud., (T) MM 5191, 5066
- Piptochaetium avenaceum* (L.) Parodi, (H T) MM 5255, 5408; GW 2546
- **Poa annua* L., (T) MM 5275, 5290
- Poa autumnalis* Muhl. ex Elliott, (H) GW 2523a, 2551
- Saccharum giganteum* (Walter) Pers., (T) DJ 1830
- Schizachyrium scoparium* (Michx.) Nash var. *divergens* (Hack.) Gould, (H T) MM 5201; GW 2364, 2371; LB 27524
- Setaria parviflora* (Poir.) Kerguelen, (T) DJ 1783
- Sorghastrum elliottii* (Mohr.) Nash, (T) KC 108
- Sorghastrum nutans* (L.) Nash, (H) DJ 1975
- Sphenopholis obtusata* (Michx.) Scribn., (H) MM 5362
- Sporobolus clandestinus* (Biehler) Hitchc., (H) LB 27505
- Sporobolus compositus* (Poir.) Merr. var. *macer* (Trin.) Kartesz & Gandhi, (T) DJ 2069
- Sporobolus indicus* (L.) R. Br., (H) LB 27101
- Steinchisma hians* (Elliott) Nash, (T) DJ 1766
- Sporobolus junceus* (Beauvis.) Kunth, (H T) GW 2365; LB 27532
- Tridens ambiguus* (L.) Schult., (HT) MM 5677, 3620, 5666; DJ 2015
- Tridens flavus* (L.) Hitchc. var. *flavus*, (HT) DJ 1991, 2026
- Tridens strictus* (Nutt.) Nash, (H) MM 5666
- Urochloa platyphylla* (C. Wright) R.D. Webster, (T) DJ 2047
- Urochloa texana* (Buckley) R.D. Webster, (T) DJ 2045
- Vulpia octoflora* (Walter) Rydb., (H) GW 2622

POLEMONIACEAE

Phlox pilosa L., (T) MM 5455

POLYGALACEAE

- Polygala cruciata* L., (T) MM 3943
Polygala leptocaulis Torr. & A. Gray, (H) DJ 2014, 2005
Polygala mariana Mill., (T) MM 5078
Polygala polygama Walter, (T) MM 5461; DJ 1857
Polygala ramosa Elliott, (T) MM 5081

POLYGONACEAE

- Brunnichia ovata* (Walter) Shinnars, (H) DJ 1643
Eriogonum longifolium Nutt. var. *longifolium*, (H) DJ 1655
Polygonum punctatum Elliott, (H) MM 5927, 5637; LB 27458; DJ 1686
Polygonum hydropiperoides Michx., (T) DJ 1877, 1820, 1841

POLYPODIACEAE

- Pleopeltis polypodioides* Andrews & Windham ssp. *michauxiana* (Weath.) Andrews & Windham (H) MM 5235; LB 27134

PORTULACACEAE

- Portulaca pilosa* L., (H) DJ 1695

PRIMULACEAE

- **Anagallis arvensis* L., (H) MM 5372
Anagallis minima (L.) Krause, (T) DJ 1845
Lysimachia radicans Hook., (H T) MM 5782, 5641; GW 2677; LB 27096a

RANUNCULACEAE

- Clematis crispa* L., (H) GW N05, 2609b
Clematis reticulata Walter, (H T) LB 27478; MM 5910, 4991
 **Clematis ternifolia* DC., (H) DJ 2112

RHAMNACEAE

- Berchemia scandens* (Hill) K. Koch, (H T) MM 5765, 5118; LB 27466, 27133
Ceanothus americanus L., (T) DJ 2027
Rhamnus caroliniana Walter, (T) MM 5186, PH 012

ROSACEAE

- Agrimonia microcarpa* Wallr., (H) GW 2747; LB 27116
Crataegus brachyacantha Sarg. & Engelm., (T) MM 5076
Crataegus marshallii Egglest., (H T) MM 5229; LB 27479, 27143
Crataegus opaca Hook. & Arn., (T) LB 27538; SE 2008, 2011; DJ 1863
Crataegus spathulata Michx., (T) DJ 2097
 **Duchesnea indica* (Andr.) Focke, (T) MM 5457, 5293

- Photinia pyrifolia* (Lam.) Robertson & Phipps, (T) MM 3759

- Prunus caroliniana* (Mill.) Aiton, (H) DJ 1646
Prunus gracilis Engelm. & A. Gray, (T) DJ 1756
Prunus serotina Ehrh., (H) MM 5381
Prunus umbellata Elliott, (H T) GW 1667, 2453; MM 6049
Rubus trivialis Michx., (T) MM 5287

RUBIACEAE

- Cephalanthus occidentalis* L., (H) MM 4990
Diodia teres Walter, (H T) MM 5750, 5068; LB 27093; CL 901182
Diodia virginiana L., (T) MM 5777, 5179; LB 27530
Galium aparine L., (H) MM 6040
Galium circaezans Michx., (H) GW 2623
Galium hispidulum Michx., (H) MM 5929; LB 27509
Galium pilosum Aiton, (H) GW 2657
Galium tinctorium (L.) Scop., (H) MM 6038
Houstonia micrantha (Shinnars) Terrell, (T) MM 5273
Houstonia pusilla Schoepf, (T) MM 5272; SE 2016
Mitchella repens L., (T) MM 5108, 5259; LB 27109
Oldenlandia uniflora L., (T) GW 2843
Richardia scabra L., (T) DJ 2020
 **Sherardia arvensis* L., (T) SE 2027
Stenaria nigricans (Lam.) Terrell (T) PH 242

RUTACEAE

- Ptelea trifoliata* L., (H T) MM 5466; GW 1126, 2648
 **Poncirus trifoliata* (L.) Raf., (H) DJ 2108
Zanthoxylum clava-herculis L., (H) MM 5163; GW 2550a

SALICACEAE

- Salix nigra* Marshall, (T) DJ 1889; MM 6050

SAPOTACEAE

- Sideroxylum lanuginosum* Michx., (H) MM 4989, 5398, 5241

SARRACENIACEAE

- Sarracenia alata* Alph. Wood, (T) MM 5084; PH 541

SAURURACEAE

- Saururus cernuus* L., (H T) LB 27471; MM 5428

SCROPHULARIACEAE

- Agalinis fasciculata* (Elliott) Raf., (T) GW 2750; LB 27535
Agalinis oligophylla Pennell, (T) GW 2896
Agalinis purpurea (L.) Pennell, (H T) MM 5906; GW 2830; LB 27541, 14886
Agalinis viridis (Small) Pennell., (H) LB 6663

- Aureolaria flava* (L.) Farw. (H) MM 5639
Aureolaria grandiflora (Benth.) Pennell, (H) MM 5764, 5651; GW 2679; LB 27074
Bacopa caroliniana (Walter) B.L. Robins., (T) DJ 1821
Buchnera americana L., (H T) MM 5662; DJ 2038
Gratiola brevifolia Raf., (T) GW 2765; MM 3936
Gratiola pilosa Michx., (H) GW 2655
Gratiola virginiana L., (H T) MM 5228; DJ 1944, 1947
 *+*Lindernia crustacea* (L.) F. Muell., (T) DJ 1881
Lindernia dubia (L.) Pennell, (H) DJ 1937, 1982, 1942, 1985
Mecardonia acuminata (Walter) Small, (H T) GW 2844, 2859, LB 27548; DJ 1936
Micranthemum umbrosum (J.G. Gmel.) S.F. Blake, (H) DJ 1949
Mimulus alatus Aiton, (H) DJ 1791
Nuttallanthus canadensis (L.) D.A. Sutton, (H) GW 2554
Penstemon laxiflorus Pennell, (H T) MM 5446; GW 2544
Scoparia dulcis L., (H T) MM 5763, 5780, 5672; WC 10842
 **Verbascum thapsus* L., (T) GW 2647
 **Veronica arvensis* L., (H) MM 5249

SELAGINELLACEAE

- Selaginella apoda* (L.) Spring, (H) MM 5314

SMILACACEAE

- Smilax bona-nox* L., (H) DJ 1688
Smilax glauca Walter, (H T) MM 5411, 4976; GW 2877; LB 27582
Smilax laurifolia L., (T) MM 3632
Smilax pumila Walter, (H T) LB 27473, 27465; MM 5059, 5289
Smilax rotundifolia L., (H T) MM 4980, 5253, 6068
Smilax smallii Morong, (H T) MM 4986, 5113, 5278; DJ 1741

SOLANACEAE

- Datura wrightii* Regel, (T) KC 85
Physalis heterophylla Nees, (H T) GW 2644, N11; DJ 1892
Physalis pubescens L., (T) DJ 1882
Physalis pumila Nutt., (H) MM 5369, 5404; GW 2660
 **Solanum capsicastrum* Link ex Schauer, (T) DJ 2084
Solanum carolinense L., (H T) MM 5804; LB 27114
Solanum ptychanthum Dunal, (H) GW 2550b

STYRACACEAE

- Halesia diptera* L., (H T) MM 5232, 5240; DJ 2076; LB 27492
Styrax americanus Lam., (H) GW 2616
Styrax grandifolius Aiton, (T) DJ 2076, 2095, 2078

SYMPLOCACEAE

- Symplocos tinctoria* (L.) L' Her., (H T) MM 5187, 5300; LB 27111

THELYPTERIDACEAE

- +*Thelypteris hispidula* (Dcne.) C.F. Reed var. *versicolor* (R. St. John) Lellinger, (T) DJ 1726
Thelypteris kunthii (Desv.) Morton, (H T) MM 5227; DJ 1950, 1974, 1776

TILIACEAE

- Tilia americana* L. var. *caroliniana* (Mill.) Castigl., (NC) GW 2297

ULMACEAE

- Celtis laevigata* Willd., (H) LB 27474, 27069; GW 2625
Planera aquatica J.F. Gmel., (H) LB 27069
Ulmus alata Michx., (H T) MM 5162, 5399; GW 2455; DJ 2043
Ulmus americana L., (H T) DJ 2105, 2070

URTICACEAE

- Boehmeria cylindrica* (L.) Sw., (H) LB 27087, 27472
Pilea pumila (L.) A. Gray, (T) GW 2906

VALERIANACEAE

- Valerianella radiata* (L.) DuRoi., (H) MM 5250; SE 2015

VERBENACEAE

- Callicarpa americana* L., (H) MM 4993, 5409
Glandularia canadensis (L.) Nutt., (T) KC 95
 **Glandularia pulchella* (Sweet) Tronc., (H T) MM 5152, 5370, 5221
Phyla nodiflora (L.) Greene, (H) DJ 1694
Stylodon carneus (Medik.) Moldenke, (H) GW N01
 **Verbena brasiliensis* Vell., (H) DJ 1690
Verbena halei Small, (H) GW 2659

VIOLACEAE

- Viola lanceolata* L., (H T) MM 5302, GW 2538, 2539, 2540
Viola palmata L., (T) MM 5292, 5282, 6048; SE 2013
Viola primulifolia L., (T) MM 3788

VITACEAE

- Ampelopsis arborea* (L.) Koehne, (H T) MM 5802, 4974; LB 27089
Parthenocissus quinquefolia (L.) Planch., (H T) MM 5110, 5432, 5263

Vitis aestivalis Michx., (H) GW 1451b, N03

Vitis cinerea (Engelm.) Millardet var. *cinerea*, (T) MM 5359, 5470; GW 1451a, 2568

Vitis rotundifolia Michx., (H T) MM 5104, 4965, 5358, 5279

XYRIDACEAE

Xyris ambigua Beyr. ex Kunth, (T) MM 3631; GW 2642b; DJ 1875; LB 27148

Xyris baldwiniana Schult., (T) MM 3879

Xyris jupicai L.C. Rich., (H T) WC 10843; DJ 2046, 1876

Xyris stricta Chapm. var. *obscura* Kral, (H T) MM 3501; DJ 2011, 1866

Xyris torta Sm., (T) MM 5096, 3946

Notes

***Bulbostylis barbata*.**—Jones and Wipff (1992) reported this exotic sedge new to Texas from Newton County. Turner et al. (2003) mapped it only in Newton County. Our Tyler County collection is a new county record. At SBSC, there is one additional collection from the Liberty County portion of the Menard Creek Unit.

***Coreopsis intermedia*.**—This west gulf coastal plain endemic has appeared on some Texas endangered and threatened species list. Smith (1976) mapped it in six northeastern counties. Turner et al. (2003) mapped it in 15 counties mostly in northeast Texas centering largely in Leon, Freestone, Anderson, and Houston counties. Tyler County is a new county record. At SBSC, there are collections from Harris and Jasper counties that were also not mapped in Turner et al. (2003).

***Dioscorea villosa*.**—We follow Raz (2002) in merging *D. quaternata* with *D. villosa* even though Al-Shehbaz and Schubert (1989) maintained them as distinct species and provided some characters to separate them.

***Dysphania ambrosioides*.**—We follow Clemants and Mosyakin (2003) in segregating the glandular *Chenopodium* taxa into the genus *Dysphania*.

***Lilium formosanum*.**—Brown and Elsik (2002) reported this exotic lily, as *Lilium longiflorum* Thunb., new to Texas from Newton and Tyler counties. However, in a re-examination of these two collections and the one from the Turkey Creek Unit, we found that the perianth segments were basally papillose on the adaxial surface. This trait is not present in *L. longiflorum* but is present in both *L. formosanum* A. Wallace and *L. phillippinense* Baker fide Skinner (2002). The shorter perianth segments and wider leaves best fit the description of *L. formosanum*, but our collections lack the reported wine-purple tinge on the abaxial perianth surface. Skinner (2002) indicated that most reports of *L. formosanum* in the United states are referable to *L. phillippinense*, which according to him, is becoming somewhat frequent in Florida especially in the Tallahassee area. For now the correct name to apply to the Texas collections of this escaped lily is problematic.

***Lindernia crustacea*.**—Brown and Marcus (1998) reported this Asian native new to Texas from the Trinity River National Wildlife Refuge in Liberty County and Turner et al. (2003) mapped it only in this county. At SBSC there are additional collections from Hardin and Harris counties. Our Tyler County collection adds another county to its Texas distribution.

***Ludwigia microcarpa*.**—Bridges and Orzell (1989) reported this small flowered seedbox new to Texas from Hardin County. Brown and Marcus (1998) reported collections from Hardin and Chambers counties. Our Tyler County collection is a new county record and at SBSC there is also a recent collection from Polk County. It is now known from four Texas counties.

***Ophiopogon jaburan*.**—Kartesz (1999) mapped this Asian native only in Arkansas, and Smith (1988) indicated that it was escaping in areas around Pine Bluff, Arkansas. This species is commonly planted for ground cover and is commonly referred to as monkey grass. The Hardin County collection came from the Kirby Nature Trail near Turkey Creek far from any house or farm land.

***Oxalis corniculata* var. *wrightii*.**—Turner (1994) used the varietal rank for some east Texas populations of yellow-flowered *Oxalis*. The names *O. dillenii* and *O. stricta* have been applied to this complex in Texas. We concur with Turner's taxonomic designation in light of the present state of knowledge regarding the complex.

***Quercus velutina*.**—Although Turner et al. (2003) mapped this species in a number of east Texas counties. It is a rare species in the more southern counties of east Texas. Shade leaf collections of *Q. velutina* and *Q. falcata* are difficult to separate and may account somewhat for the numerous mapped counties. The Tyler County collection, deposited at Rice University, and one from the Lance Rosier Unit in Hardin County are the most southern county records known to us. The label name on the Hardin County collection was *Q. marilandica* and it was subsequently annotated to *Q. velutina* (shade form) by the oak expert D.M. Hunt.

***Thelypteris hispidula* var. *versicolor*.**—Correll and Johnston (1970) called this fern *T. x versicolor*. They considered it a hybrid between *T. dentata* and *T. kunthii* and stated that it was usually found in Texas with one or both of its suspected parents. It is currently treated as a variety of the tropical *T. hispidula* (Alan R. Smith 1993). Turner et al. (2003) mapped it only in San Jacinto, Jasper, and Orange counties. Our Tyler County collection is a new county record.

***Trillium recurvatum*.**—Nixon et al. (1970) and Turner et al. (2003) reported this *Trillium* only from Rusk and Nacogdoches counties. Singhurst et al. (2002) reported an additional collection from Shelby County. Our Hardin County collection is a significant range extension and a new station for this rare species in Texas.

DISCUSSION

There are 123 families and 388 genera for the 738 taxa on the species list. Five families; Asteraceae (96 taxa), Poaceae (98 taxa), Cyperaceae (69 taxa), Fabaceae (47 taxa), and Euphorbiaceae (20 taxa) account for 44% of all taxa collected. The largest genera are *Rhynchospora* (23 taxa), *Carex* (17 taxa), *Dichanthelium* (16 taxa), *Cyperus* (13 taxa), and *Quercus* (12 taxa).

While it is the case that our list is incomplete, as are all floras, and that a

few taxa may no longer exist in the unit, most taxa that have grown in the Turkey Creek Unit during the past quarter century have been collected (probably 90+ percent). We estimate that the Turkey Creek Unit has about 710 to 735 native species/taxa.

ACKNOWLEDGMENTS

This study was supported in part by a National Park Service Cooperative Agreement No. CA 14001004 to Paul Harcombe. Brooke Wheeler added some of the early collections into the data base and also aided the new database manager in his use of this program. We also thank Guy Nesom and Barney Lipscomb of BRIT and Eric Keith of Raven Environmental in Huntsville, Texas for their many suggestions that improved the paper. Publications funds were provided by Rice University.

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