

Studies in the Cyperaceae of Georgia: Distribution of Georgia Sedges, Analysis of the *Cyperus squarrosus-granitophilus* Complex & Two New Species

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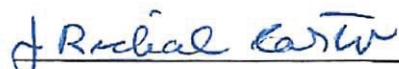
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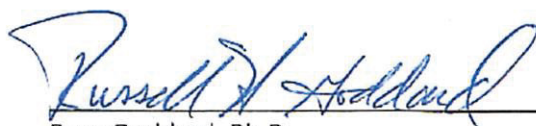
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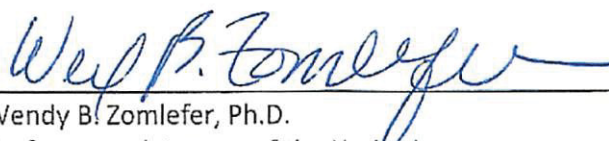
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ABSTRACT

The sedge family (Cyperaceae) is one of the most impactful families to agriculture and a key constituent of graminoid communities in many ecosystems. However, there is no full accounting of all of sedge species vouchered in Georgia. Understanding which sedge taxa occur in the state and where they exist is necessary for both effective pest management and protection of communities and species of interest. I examined holdings at the three largest herbaria in the state to inventory the state's sedge flora. For each taxon, I assessed phenology and the physiographic regions where it occurred. Along with this inventory, I did morphometric analyses of three narrow taxonomic problems. The first analyzed the relationship between the granite outcrop endemic *Cyperus granitophilus* and its close generalist relative, *Cyperus squarrosus*. In addition to confirming these species are morphometrically distinct, I discovered a new variety of *C. squarrosus* which is restricted to granitic uplifts of Texas and Oklahoma. I also investigated two putatively new sedge species from Georgia, one, a *Cyperus* restricted to exsiccated karst ponds in southwestern Georgia, and, the other, an *Eleocharis* restricted to high-marshes of Camden County, Georgia. My analysis supports both as distinct species.

TABLE OF CONTENTS

I.	Chapter I – An Annotated Checklist of the Cyperaceae of Georgia Based on the Holdings of the Three Largest Herbaria in the State.....	1
	Introduction	1
	Materials and Methods.....	2
	Results.....	4
	Discussion	4
	References	7
	Tables and Figures	12
	Appendix A: A Checklist of the Cyperaceae of Georgia	28
	Appendix B: Exsiccatae for Checklist	69
II.	Chapter II – A Morphometric analysis of the <i>Cyperus squarrosus-granitophilus</i> Complex in North America.....	133
	Introduction	133
	Materials and Methods.....	134
	Results.....	136
	Discussion	136
	Taxonomic Treatment and Key.....	139
	References	142
	Tables and Figures	144
	Appendix A: Vouchers Examined Physically and Digitally	165
III.	Chapter III – A Morphometric Analysis of a Putative New <i>Cyperus</i> from Karst Ponds in Southern Georgia	185
	Introduction	185

	Materials and Methods.....	185
	Results.....	186
	Discussion	187
	Taxonomic Treatment and Key	188
	References	190
	Tables and Figures	191
	Appendix A: Additional Vouchers Examined	205
IV.	Chapter IV -- A Morphometric Analysis of a Putative New <i>Eleocharis</i> from the High Marsh of Camden County.....	212
	Introduction	212
	Materials and Methods.....	213
	Results.....	213
	Discussion	214
	Taxonomic Treatment and Key.....	214
	References	217
	Tables and Figures	218
	Appendix A: Additional Specimens Examined Physically and Digitally.....	230

LIST OF TABLES

Chapter I

Table 1. Number of species, infraspecific taxa, and total taxa vouchered at Georgia herbaria GA, GAS, and VSC..... 12

Table 2. Sedges vouchered on 2017 *Kyllinga* collecting trip. 13

Table 3. Sedges vouchered on 2017 Glascock County collecting trip..... 14

Table 4. Sedges vouchered on 2017 Montgomery County collecting trip..... 15

Table 5. Phenology of sedge genera based on herbarium specimens at GA, GAS, and VSC herbaria label data..... 16

Table 6. Numbers of sedge species restricted to one or two physiographic regions, seasonal phenology, nativity, and weed status, based on vouchers at GA, GAS, and VSC herbaria label data. 17

Table 7. Sedge genera in Georgia by number of taxa, physiographic region, seasonal phenology, nativity, and weed status..... 18

Chapter II

Table 1. List of characters and abbreviations used in principal component and discriminant analyses..... 144

Table 2. Results of PCA of 24 measurements of 405 specimens 145

Table 3. MANOVA for all 24 characters between all four taxa..... 146

Table 4. Results of discriminate analysis 147

Table 5. Comparison of six diagnostic characters among the four taxa..... 148

Chapter III

Table 1. List of characters used in analysis 191

Table 2. Eigenvalues and coefficients of the PCA 192

Table 3. MANOVA for all characters between the three of taxa 193

Table 4. Discriminate analysis results for the three taxa 194

Chapter IV

Table 1. List of characters used in analysis 218

Table 2. Results of PCA 219

Table 3. Discriminate function for groups in DA 220

LIST OF FIGURES

Chapter I

Figure 1. Map of Georgia counties and physiographic regions, with counties split between two physiographic regions highlighted.....	19
Figure 2. Georgia counties with sedge vouchers by genus.....	20
Figure 2 (cont.). Georgia counties with sedge vouchers by genus	21
Figure 3. Preliminary heat map by county of sedge vouchers before our 2017 collecting trips...	22
Figure 4. Cyperaceae heatmap of collections by county after targeted 2017 collecting trips.....	23
Figure 5. Collection sites along Highway US 441 for 2017 <i>Kyllinga</i> collecting trip.....	24
Figure 6. <i>Kyllinga</i> spp. map pre and post collection efforts	25
Figure 7. Collection sites for 2017 Glascock County Cyperaceae collecting trip	26
Figure 8. Collection sites for 2017 Montgomery County Cyperaceae collecting trip	27

Chapter II

Figure 1. Scatter plot of principal components 1 and 2 with only <i>Cyperus squarrosus</i> var. <i>squarrosus</i> and <i>C. granitophilus</i> shown.....	149
Figure 2. Scatter plot of principal components 1 and 2 with all taxa shown	150
Figure 3. Three-dimensional scatter plot of principal components 1, 2, and 3 with all taxa shown.....	151
Figure 4. Three-dimensional scatter plot of principal components 1, 2, and 3 with <i>Cyperus granitophilus</i> removed.....	152
Figure 5. Scree plot for PCA of the four taxa	153
Figure 6. Boxplot of four most important characters of principal component 1	154
Figure 7. Boxplot of four most important characters of principal component 2	155

Figure 8. Boxplot of four most important characters of principal component 3	156
Figure 9. Complete Euclidian distance dendrogram based on diagnostic characters for all specimens examined.....	157
Figure 10. <i>Cyperus granitophilus</i> portion of the Euclidian dendrogram	158
Figure 11. <i>Cyperus squarrosus</i> var. <i>squarrosus</i> portion of the Euclidian dendrogram.....	159
Figure 12. <i>Cyperus squarrosus</i> var. <i>hesperogranitophilus</i> , tropical and old-world <i>C. squarrosus</i> portion of the Euclidian dendrogram	160
Figure 13. Scanning electron micrographs of achenes of taxa in the <i>Cyperus squarrosus</i> - <i>granitophilus</i> complex	161
Figure 14. Distribution of <i>Cyperus granitophilus</i> and <i>C. squarrosus</i> var. <i>hesperogranitophilus</i> based on specimens examined	163
Figure 15. Distribution of <i>Cyperus squarrosus</i> in the United States based on examined specimens and SERNEC images (2017)	164

Chapter III

Figure 1. Euclidian dendrogram using diagnostic characters of <i>Cyperus strigosus</i> , <i>C. stenolepis</i> , and <i>C. excurrens</i>	195
Figure 2. PCA score plot for <i>Cyperus strigosus</i> , <i>C. stenolepis</i> , and <i>C. excurrens</i>	196
Figure 3. Three-dimensional score plot of PC1, PC2, and PC3 for <i>Cyperus strigosus</i> , <i>C. stenolepis</i> , and <i>C. excurrens</i>	197
Figure 4. PCA scree plot for the three taxa.....	198
Figure 5. Boxplots for diagnostic characters for <i>Cyperus strigosus</i> , <i>C. stenolepis</i> , and <i>C. excurrens</i>	199
Figure 6. Boxplot of SPKLTL/RAYL for <i>Cyperus strigosus</i> , <i>C. stenolepis</i> , and <i>C. excurrens</i>	200
Figure 7. Scanning electron micrographs of achenes of <i>Cyperus excurrens</i> and <i>C. strigosus</i>	201

Figure 8. Light micrographs of spikelets of <i>Cyperus strigosus</i>	202
Figure 9. Light micrographs of spikelets of <i>Cyperus excurrens</i>	203
Figure 10. The distribution of <i>Cyperus strigosus</i> and <i>C. excurrens</i>	204

Chapter IV

Figure 1. Southern United States counties with an analyzed collection of <i>Eleocharis albida</i> and <i>E. angusticeps</i>	221
Figure 2. Scatter plot of PC1 and PC2 for <i>Eleocharis albida</i> and <i>E. angusticeps</i>	222
Figure 3. Scree plot for PCA for the two taxa	223
Figure 4. Scatter plot of PC1, PC2 and PC3 for <i>Eleocharis albida</i> and <i>E. angusticeps</i>	224
Figure 5. Euclidean distance dendrogram using diagnostic characters for <i>Eleocharis albida</i> and <i>E.</i> <i>angusticeps</i>	225
Figure 6. Box plots of variables highlighted by PC1 for <i>Eleocharis albida</i> and <i>E. angusticeps</i>	226
Figure 7. Box plots of variables highlighted by PC2 for <i>Eleocharis albida</i> and <i>E. angusticeps</i>	227
Figure 8. Scatter plot of diagnostic characteristics for <i>Eleocharis albida</i> and <i>E. angusticeps</i>	228
Figure 9. SEM micrographs of achene-tubercle complex of <i>Eleocharis albida</i> and <i>E.</i> <i>angusticeps</i>	229

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Chapter I
AN ANNOTATED CHECKLIST OF THE CYPERACEAE OF GEORGIA BASED ON THE HOLDINGS OF THE THREE
LARGEST HERBARIA IN THE STATE
INTRODUCTION

The Cyperaceae is the third largest monocot family in the world comprising 100 genera and ca. 5,000 species (Goetghebeur, 1998). These plants are cosmopolitan in distribution, ranging from highly restricted narrow endemics to generalists. In Georgia, sedges represent an important portion of our native and naturalized flora occurring in nearly every type of habitat. Some of these herbs have adapted to highly specialized environments while others spread adventitiously throughout disturbed areas (Carter, 2005; Bryson & Carter, 2008). A clear picture of the Cyperaceae of Georgia involves not only understanding which species occur in the state but also how those species relate to the geographical distribution and to each other.

An understanding of the elements of our flora provides the foundation for various kinds of scientific research, including plant systematics, community ecology, weed science, and ethnobotany. Until this study, the only state-wide effort focused on Cyperaceae is a checklist of the *Carex* of Georgia from over four decades ago by Russell & Duncan (1972). Having a firm grasp on the distribution of these plants is paramount, not only to account for rare taxa but also to understand the spread of weedy pest species. Sedges represent some of the most common and impactful agricultural pests in the southeastern United States (Bryson & Carter, 2008). In Georgia, *Cyperus* species are consistently troublesome weeds to most row crops in Georgia's 2-billion-dollar industry (USDA, 2017). Understanding their geographical distribution is an important step in combating spread of these noxious weeds.

Charting the locality and distribution of rare and endangered species is a fundamental aspect of both conservation and herbaria collections. Moreover, highlighting under-collected areas can inform future vouchering efforts by personnel of the state's active herbaria. This presents opportunities for numerous easily obtainable county records that are important in completing the vouchered distributional patterns for the flora of Georgia. Lastly, understanding the relationships between the species themselves is an important aspect of how and why sedge species occur where they do.

My primary aim in Chapter I is to assess our current knowledge of the diversity and distribution of the sedge family (Cyperaceae) in Georgia through analyses of data associated with voucher collections at the three largest herbaria in the state, Georgia Southern University (GAS), University of Georgia (GA), and Valdosta State University (VSC). From these data, I generated a master list and distribution maps elucidating gaps and hotspots in the Georgia collections, thus assisting collectors in targeting areas of additional field efforts. The remaining chapters address specific taxonomic problems related to Georgia Cyperaceae, using morphometric methods. Chapter II explores relationships within a species complex involving the widely distributed generalist, *Cyperus squarrosus* L., including the related southeastern United States endemic, *Cyperus granitophilus* McVaugh, a specialist of granitic outcrops, and a putative geographical outlier of *C. granitophilus* recently reported from Texas and Oklahoma (O'Kennon & Taylor 2015). Chapter III examines a putatively new *Cyperus* species apparently restricted to karst ponds of southwestern Georgia, and Chapter IV is an analysis of a putatively new *Eleocharis* species from the high marsh of coastal Georgia.

MATERIALS AND METHODS

I compiled a list of the holdings at GA (Zomlefer, Carter & Giannasi, 2014), GAS (SERNEC, 2018), and VSC (Carter & Holt, 2011) based on complete downloads of the Cyperaceae records in their virtual inventories (Appendix A). I organized these 7851 records by their current identifications and compiled and consolidated them into a list of all Cyperaceae taxa represented in these herbaria. Taxon names

were checked against the nomenclature in *Flora of North America* (FNA) (2002) and Weakley (2015). *Flora of North America* (2002) was used as the primary nomenclatural source for the checklist, with names from Weakley (2015) cited as synonyms whenever there was a discrepancy. On rare occasions, when there was no clear synonymy in FNA (2002), the accepted names of Weakley (2015) are used and marked with an asterisk (*). Locations of vouchers are indicated using standard herbarium abbreviations (Thiers, 2018). Allochthonous species, as indicated by FNA (2002) or Weakley (2015), are demarcated with a dagger (†), and weeds, which interfere with the structure and function of ecosystems and negatively impact humans as defined and cited in Bryson and Carter (2008), are denoted with a double dagger (‡). Each species is assigned one or more physiographic region codes based on the county level locality data attached to each specimen. These were determined by assigning each county not bisected by a border between regions to a physiographic region (Figure 1).

For vouchers from bisected counties, other records within that taxon were checked for occurrence in one of the two physiographic regions in question. If all other records were from one of the two regions, all records from the bisected county were assigned to that region. Otherwise, these records were divided between the two regions. Since mature fruiting material is required for positive identification of Cyperaceae, all voucher specimens of sedges are typically in flowering or fruiting condition. Consequently, collection dates on labels of voucher specimens can be reliably used to assess flowering/fruiting phenology, and in the checklist. They are compiled into percentages by month of flowering/fruiting specimens for each taxon. Maps were generated in ESRI's ArcMap (ESRI, 2011) using county level data from the herbarium records. The county maps were overlaid on a tier-3 physiographic region map, and heat maps were generated for both number of specimens and number of species documented for each county. All base maps were obtained from the United States Geological Survey via the Georgia GIS Clearinghouse (data.georgiaspatial.org).

To demonstrate the utility of my research, my major advisor, Richard Carter, and I made three collecting trips during July and August in 2017 targeting under-collected areas and taxa that were elucidated by my maps. These forays were coordinated with (1) travel to the Georgia Flora Checklist workshop July 20–22 in Athens, sponsored by Wendy Zomlefer at the University of Georgia Herbarium (GA), and (2) travel to Statesboro August 9–10 to examine Cyperaceae holdings critically and to annotate specimens as needed at the Georgia Southern University Herbarium (GAS). The GAS records cited herein include the results of the latter effort. Our July field trip targeted *Kyllinga* in nine under-collected counties along Highway US 441 in mid-eastern Georgia. Our second and third forays in August were county-focused collecting trips to Glascock and Montgomery counties, respectively. Glascock County was the only Georgia county completely devoid of vouchered Cyperaceae records, and Montgomery County was represented by only three vouchered species.

RESULTS

Based on holdings of GA, GAS, and VSC, I identified 354 native and naturalized species for Georgia (Table 1). Appendix A is a compilation of these taxa with additional data on the herbarium of deposition, protective status, relevant literature, physiographic region, and phenology. I generated both basic distribution maps at the levels of family and genus (Figure 2) and a heat map showing the density of collections by county (Figure 3 and 4).

During our 2017 forays, we collected *Kyllinga* species in seven of the eight unvouchered counties along Highway US 441 and 10 other associated, non-target Cyperaceae county records (Table 2, Figures 5 and 6). Targeting under-collected Glascock and Montgomery counties, we vouchered 23 (Table 3, Figure 7) and 26 (Table 4, Figure 8) Cyperaceae county records, respectively.

DISCUSSION

My checklist and maps indicate several general trends about distribution and collection of sedges in Georgia. The most intensively collected counties (Figure 4) are in close proximity to active

university herbaria and those that have been the focus of concerted collection efforts, e.g., Baker County (Drew, Kirkman & Gholson, 1998), Houston County (Echols & Zomlefer 2010; Lynch & Zomlefer 2016), and floristic inventories of Fort Stewart Military Reservation (Bryan, Evans, Liberty, Long, and Tattnall counties) and Hunter Army Airfield (Chatham County) by curators at GA (unpublished: D.A. Giannasi, M.O. Moore) and VSC (J.R. Carter). Also, the coastal counties generally have a history of more intensive collection efforts, as a focus of several floristic research projects, e.g., Duncan (1985), Coile and Jones (1988), Carter (1997, 2008), Zomlefer et al. (2008), and the southern coastal plain counties have been the subject of floristic efforts focused on Cyperaceae by the VSC curator (J.R. Carter). We also assumed proximity to major highway corridors might result in higher collection numbers; however, vouchering efforts are more apparent at the intersections of major roads, which may indicate higher collection rates in and near towns and cities (Figure 4). These factors might account for the relative paucity of collections in the more sparsely populated, rural middle-eastern part of the state with fewer major roads, fewer institutions with active herbaria, and fewer large population centers.

Our *Kyllinga* collecting trip resulted in vouchering at least one previously unrecorded species for seven of the eight targeted counties, and 10 other associated sedge species representing 10 county records (Table 2). Our single-day efforts targeting Glascock County produced 23 county records (Table 3, Figure 7), and a similar effort focused on Montgomery County yielded vouchers for 27 county records (Table 5, Figure 8). Thus, my checklist and atlas proved to be useful in our targeted collection efforts. This ability to select areas of low collection is invaluable in filling the gaps in county distribution records throughout the state.

Analysis of phenology across genera showed most of Georgia Cyperaceae flowering or fruiting in late spring and early summer (Table 5). Taxa not associated with the coastal plain tended to flower/fruit more heavily in spring while taxa restricted to only the coastal plain flower/fruit more heavily in summer (Table 6). This pattern is influenced by the greater proportion of *Carex* species in the Appalachian

region, most (118 of 135 species) of which flower and fruit in spring or early summer (Table 7). *Carex bullata*, *C. folliculata* and *C. pedunculata* occur in the Appalachian Mountains and the coastal plain but have not been collected in the piedmont. This may be due to river dispersal from the mountainous region, but these species have low collection numbers, so they may just be rare in the piedmont habitats. As expected, allochthonous and weed species are primarily *Cyperus*, of which most species are concentrated in the coastal plain and piedmont (Table 7). More intensive agriculture and proximity to ports-of-entry seem to be the most likely cause of this regional skew.

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TABLES AND FIGURES

Table 1. Number of species, infraspecific taxa, and total taxa vouchered at Georgia herbaria GA, GAS, and VSC.

Genera	Species	Infraspecific taxa	Total taxa
<i>Bolboschoenus</i>	1	0	1
<i>Bulbostylis</i>	5	1	6
<i>Carex</i>	145	5	150
<i>Cladium</i>	1	0	1
<i>Cymophyllus</i>	1	0	1
<i>Cyperus</i>	50	0	50
<i>Dulichium</i>	1	0	1
<i>Eleocharis</i>	33	0	33
<i>Eleocahris</i>	0	0	0
<i>Eriophorum</i>	1	0	1
<i>Fimbristylis</i>	13	0	13
<i>Fuirena</i>	5	0	5
<i>Isolepis</i>	2	0	2
<i>Kyllinga</i>	5	0	5
<i>Lipocarpa</i>	3	0	3
<i>Oxycaryum</i>	1	0	1
<i>Rhynchospora</i>	56	1	57
<i>Schoenoplectus</i>	9	0	9
<i>Scirpus</i>	8	0	8
<i>Scleria</i>	12	0	12
<i>Trichophorum</i>	1	0	1
<i>Websteria</i>	1	0	1
Cyperaceae	354	7	361

TABLE 2. Sedges vouchered on 2017 *Kyllinga* collecting trip; all *Kyllinga* vouchers represent county records; other county records are indicated by an asterisk (*).

Georgia County	<i>K. pumila</i>	<i>K. odorata</i>	<i>K. brevifolia</i>	Other sedges incidentally vouchered
Atkinson		X	X	<i>Bulbostylis barbata</i> (Rottb.) C. B. Clarke * <i>Bulbostylis ciliatifolia</i> (Elliott) Fernald var. <i>ciliatifolia</i> * <i>Cyperus iria</i> L. * <i>Cyperus polystachyos</i> Rottb. * <i>Cyperus surinamensis</i> Rottb.
Baldwin		X		
Coffee	X	X		* <i>Cyperus strigosus</i> L.
Laurens	X	X	X	* <i>Cyperus croceus</i> Vahl
Telfair	X	X	X	* <i>Cyperus croceus</i> Vahl * <i>Cyperus lanceolatus</i> Poir. * <i>Rhynchospora globularis</i> (Chapm.) Small var. <i>globularis</i>
Wheeler	X	X	X	<i>Cyperus retrorsus</i> Chapm.
Wilkinson		X		* <i>Cyperus croceus</i> Vahl

TABLE 3. Sedges vouchered on 2017 Glascock County collecting trip; all are county records.

<i>Bulbostylis barbata</i> (Rottb.) C. B. Clarke	<i>Cyperus pseudovegatus</i> Steud.
<i>Bulbostylis coarctata</i> (Elliott) Fernald	<i>Cyperus retrorsus</i> Chapm.
<i>Carex crinita</i> Lam.	<i>Eleocharis obtusa</i> (Willd.) Schult.
<i>Carex intumescens</i> Rudge	<i>Fimbristylis autumnalis</i> (L.) Roem. & Schult.
<i>Carex lurida</i> Wahlenb.	<i>Kyllinga odorata</i> Vahl
<i>Cyperus compressus</i> L.	<i>Rhynchospora corniculata</i> (Lam.) A. Gray
<i>Cyperus croceus</i> Vahl	<i>Rhynchospora globularis</i> (Chapm.) Small
<i>Cyperus esculentus</i> L.	<i>Rhynchospora glomerata</i> (L.) Vahl
<i>Cyperus filiculmis</i> Vahl	<i>Rhynchospora inexpansa</i> (Michx.) Vahl
<i>Cyperus iria</i> L.	<i>Scirpus cyperinus</i> (L.) Kunth
<i>Cyperus plukenetii</i> Fernald	<i>Scleria oligantha</i> Michx.

TABLE 4. Sedges vouchered on 2017 Montgomery County collecting trip; all are county records.

<i>Bulbostylis barbata</i> (Rottb.) C.B. Clarke	<i>Eleocharis tuberculosa</i> (Michx.) Roem. & Schult.
<i>Bulbostylis capillaris</i> (L.) Kunth ex C.B. Clarke	<i>Fimbristylis autumnalis</i> (L.) Roem. & Schult.
<i>Carex albolutescens</i> Schwein.	<i>Fimbristylis miliacea</i> (L.) Vahl
<i>Carex glaucescens</i> Elliott	<i>Fuirena squarrosa</i> Michx.
<i>Cyperus compressus</i> L.	<i>Kyllinga odorata</i> Vahl
<i>Cyperus croceus</i> Vahl	<i>Kyllinga pumila</i> Michx.
<i>Cyperus haspan</i> L.	<i>Lipocarpha maculata</i> (Michx.) Torr.
<i>Cyperus pseudovegetus</i> Steud.	<i>Rhynchospora corniculata</i> (Lam.) A. Gray
<i>Cyperus retrorsus</i> Chapm.	<i>Rhynchospora glomerata</i> (L.) Vahl
<i>Cyperus rotundus</i> L.	<i>Rhynchospora inexpansa</i> (Michx.) Vahl
<i>Cyperus strigosus</i> L.	<i>Scirpus cyperinus</i> (L.) Kunth
<i>Cyperus virens</i> Michx.	

TABLE 5. Phenology of sedge genera based on herbarium specimens at GA, GAS, and VSC herbaria label data, percentages of vouchers by month.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<i>Bolboschoenus</i>	0%	0%	0%	6%	11%	28%	44%	6%	0%	6%	0%	0%
<i>Bulbostylis</i>	0%	0%	0%	0%	1%	9%	20%	32%	21%	13%	3%	0%
<i>Carex</i>	0%	0%	5%	28%	36%	15%	8%	4%	2%	1%	0%	0%
<i>Cladium</i>	0%	5%	0%	11%	5%	26%	21%	16%	11%	0%	5%	0%
<i>Cymophyllus</i>	0%	0%	67%	33%	0%	0%	0%	0%	0%	0%	0%	0%
<i>Cyperus</i>	0%	0%	0%	1%	3%	10%	22%	27%	22%	12%	3%	0%
<i>Dulichium</i>	0%	0%	0%	3%	8%	18%	31%	23%	8%	10%	0%	0%
<i>Eleocharis</i>	0%	0%	1%	6%	14%	19%	22%	13%	13%	9%	3%	0%
<i>Eriophorum</i>	0%	0%	0%	0%	0%	0%	33%	33%	33%	0%	0%	0%
<i>Fimbristylis</i>	0%	0%	0%	0%	4%	8%	14%	35%	16%	16%	5%	0%
<i>Fuirena</i>	0%	0%	1%	1%	1%	13%	15%	26%	21%	22%	2%	0%
<i>Isolepis</i>	0%	0%	3%	41%	53%	3%	0%	0%	0%	0%	0%	0%
<i>Kyllinga</i>	0%	1%	0%	1%	2%	4%	20%	20%	34%	15%	4%	0%
<i>Lipocarpa</i>	0%	0%	0%	0%	0%	3%	14%	20%	23%	37%	3%	0%
<i>Oxycaryum</i>	0%	0%	0%	0%	33%	0%	33%	33%	0%	0%	0%	0%
<i>Rhynchospora</i>	0%	0%	0%	2%	11%	23%	24%	20%	10%	8%	1%	0%
<i>Schoenoplectus</i>	2%	0%	2%	6%	14%	21%	15%	13%	16%	8%	2%	1%
<i>Scirpus</i>	1%	0%	0%	3%	10%	19%	29%	18%	12%	8%	0%	0%
<i>Scleria</i>	0%	0%	1%	7%	20%	30%	14%	10%	10%	8%	1%	0%
<i>Trichophorum</i>	0%	0%	0%	0%	50%	0%	50%	0%	0%	0%	0%	0%
<i>Websteria</i>	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%
Cyperaceae	0%	0%	2%	11%	18%	16%	17%	16%	11%	8%	2%	0%

TABLE 6. Numbers of sedge species restricted to one or two physiographic regions, seasonal phenology, nativity, and weed status, based on vouchers at GA, GAS, and VSC herbaria label data.

Physiographic Region	Spring (Mar-May)	Summer (Jun-Aug)	Fall (Sep-Nov)	Allochthonous	Weeds
Coastal Plain (CP) only	34	73	18	6	7
Piedmont (PD) only	11	4	1	0	0
Appalachian Mountains (AP) only	19	10	0	1	1
Both CP & PD	21	39	11	11	15
Both PD & AP	16	4	0	0	0
Both CP & AP	4	4	1	2	3
All Physiographic Regions	48	32	6	3	7

TABLE 7. Sedge genera in Georgia by number of taxa, physiographic region, seasonal phenology, nativity, and weed status. CP = coastal plain, PD= piedmont, AP = Appalachian Mountains, Spring= March-May, Summer= June-August, Fall= September-November.

Genus	CP	PD	AP	CP-PD	PD-AP	CP-AP	ALL	Spring	Summer	Fall	Allochthonous	Weeds
<i>Bolboschoenus</i>	0	0	0	0	0	0	0	0	1	0	0	0
<i>Bulbostylis</i>	4	0	0	1	0	0	1	0	6	0	1	0
<i>Carex</i>	26	8	24	17	16	4	54	130	20	0	2	6
<i>Cladium</i>	1	0	0	0	0	0	0	0	1	0	0	0
<i>Cymophyllus</i>	0	0	1	0	0	0	0	1	0	0	0	0
<i>Cyperus</i>	20	3	0	16	0	1	9	3	32	15	12	13
<i>Dulichium</i>	0	0	0	1	0	0	0	0	1	0	0	0
<i>Eleocharis</i>	12	3	2	9	0	0	6	12	18	3	1	0
<i>Eriophorum</i>	0	0	1	0	0	0	0	0	1	0	0	0
<i>Fimbristylis</i>	5	1	0	4	0	1	2	1	11	1	4	5
<i>Fuirena</i>	2	0	0	2	0	0	0	2	1	2	0	0
<i>Isolepis</i>	0	0	0	2	0	0	0	2	0	0	0	0
<i>Kyllinga</i>	0	0	0	3	0	1	1	0	1	4	2	4
<i>Lipocarpha</i>	3	0	0	0	0	0	0	0	2	1	1	2
<i>Oxycarium</i>	1	0	0	0	0	0	0	0	0	0	0	0
<i>Rhynchospora</i>	35	0	1	11	0	0	9	5	49	3	1	0
<i>Schoenoplectus</i>	7	1	0	1	0	0	0	2	5	2	0	1
<i>Scirpus</i>	1	0	0	0	3	2	2	2	6	0	0	2
<i>Scleria</i>	5	0	0	4	0	0	2	3	6	3	0	0
<i>Trichophorum</i>	0	0	0	0	1	0	0	1	0	0	0	0
<i>Websteria</i>	1	0	0	0	0	0	0	0	0	1	0	0
Cyperaceae	125	16	29	71	20	9	86	164	161	35	24	33

**Appalachian
Region**

**Piedmont
Region**

**Coastal Plain
Region**

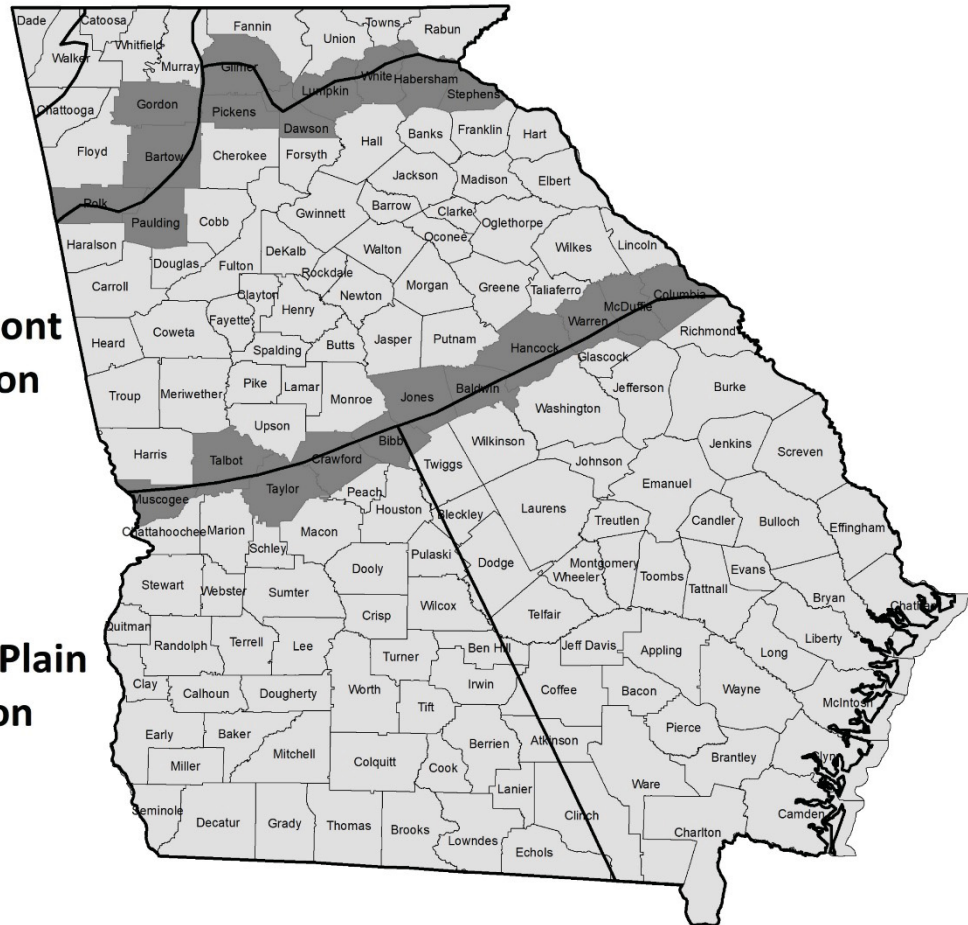


FIGURE 1. Map of Georgia counties and physiographic regions, with counties split between two physiographic regions highlighted.

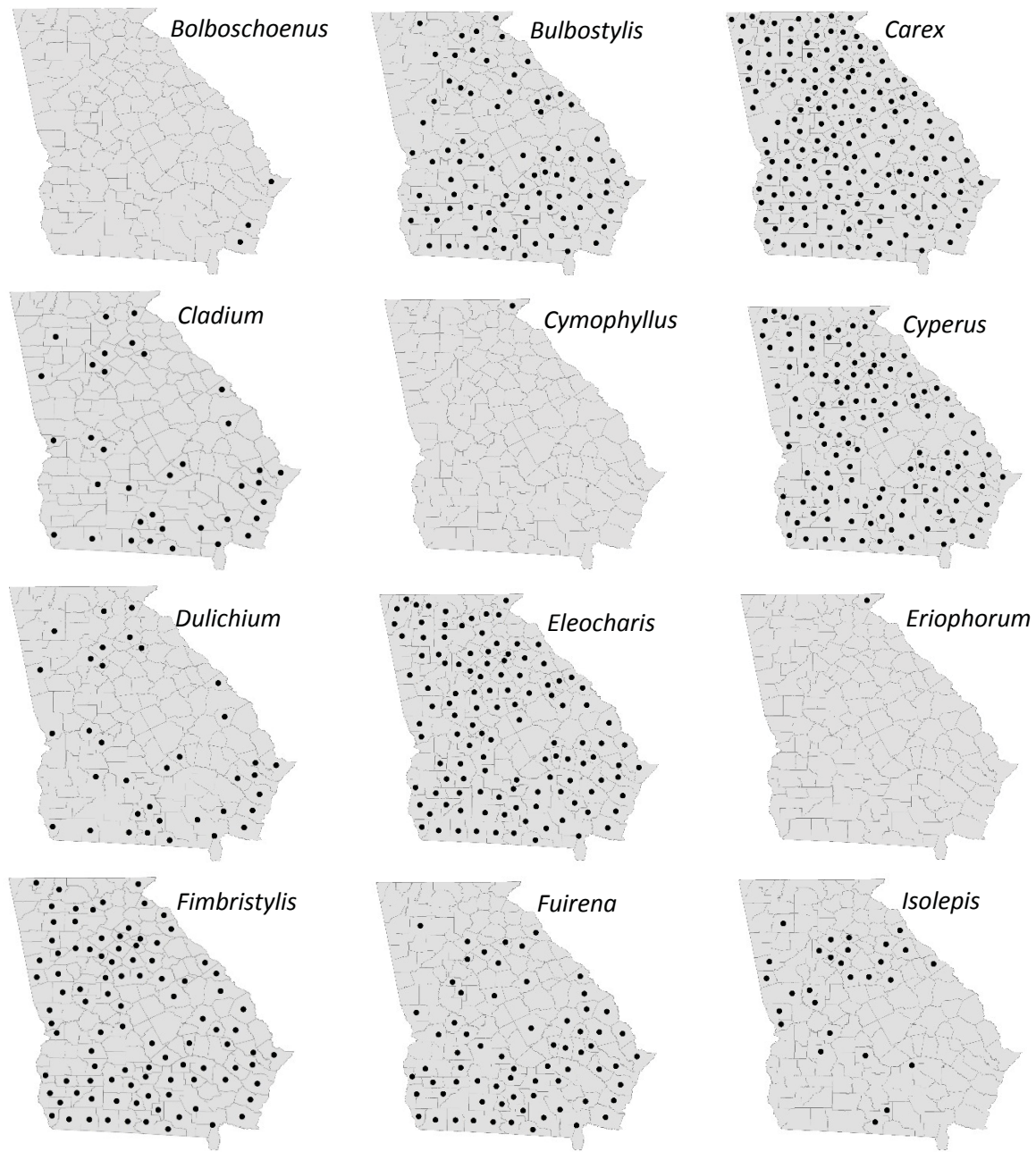


FIGURE 2. Georgia counties with sedge vouchers by genus.

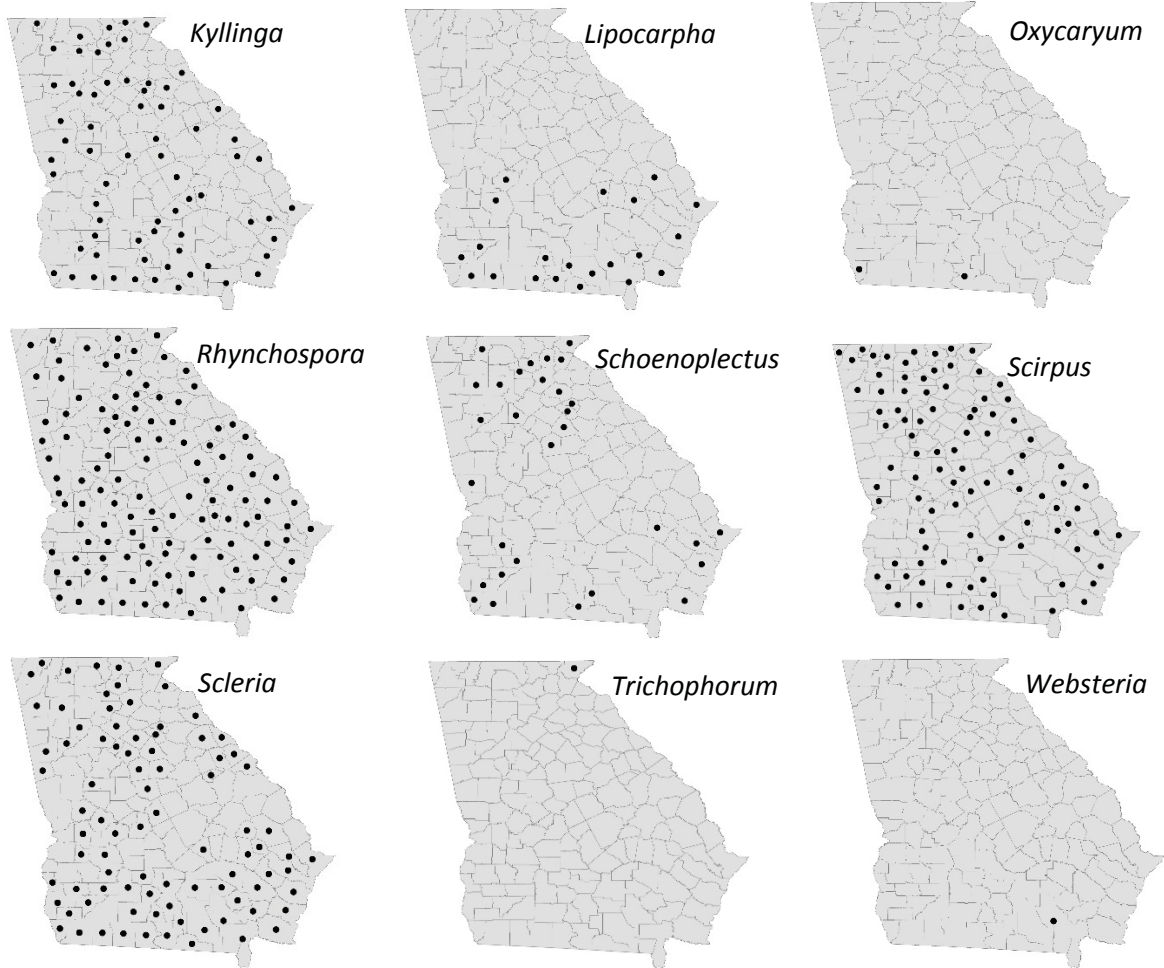


FIGURE 2 (cont.). Georgia counties with sedge vouchers by genus.

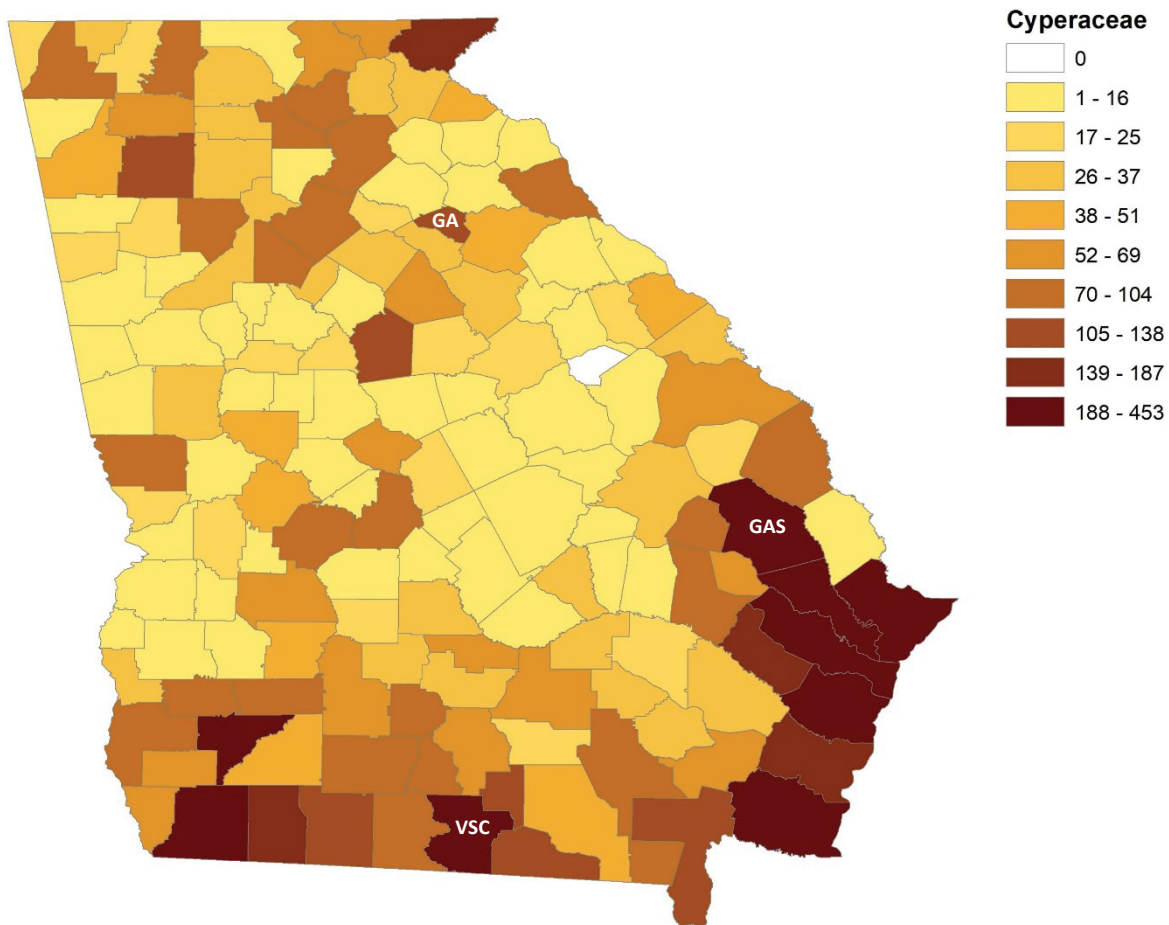


FIGURE 3. Preliminary heat map by county of sedge vouchers before our 2017 collecting trips. County locations of the three herbaria in the study are shown (GA, GAS, VSC). Note Glascock County had no vouchered sedge records.

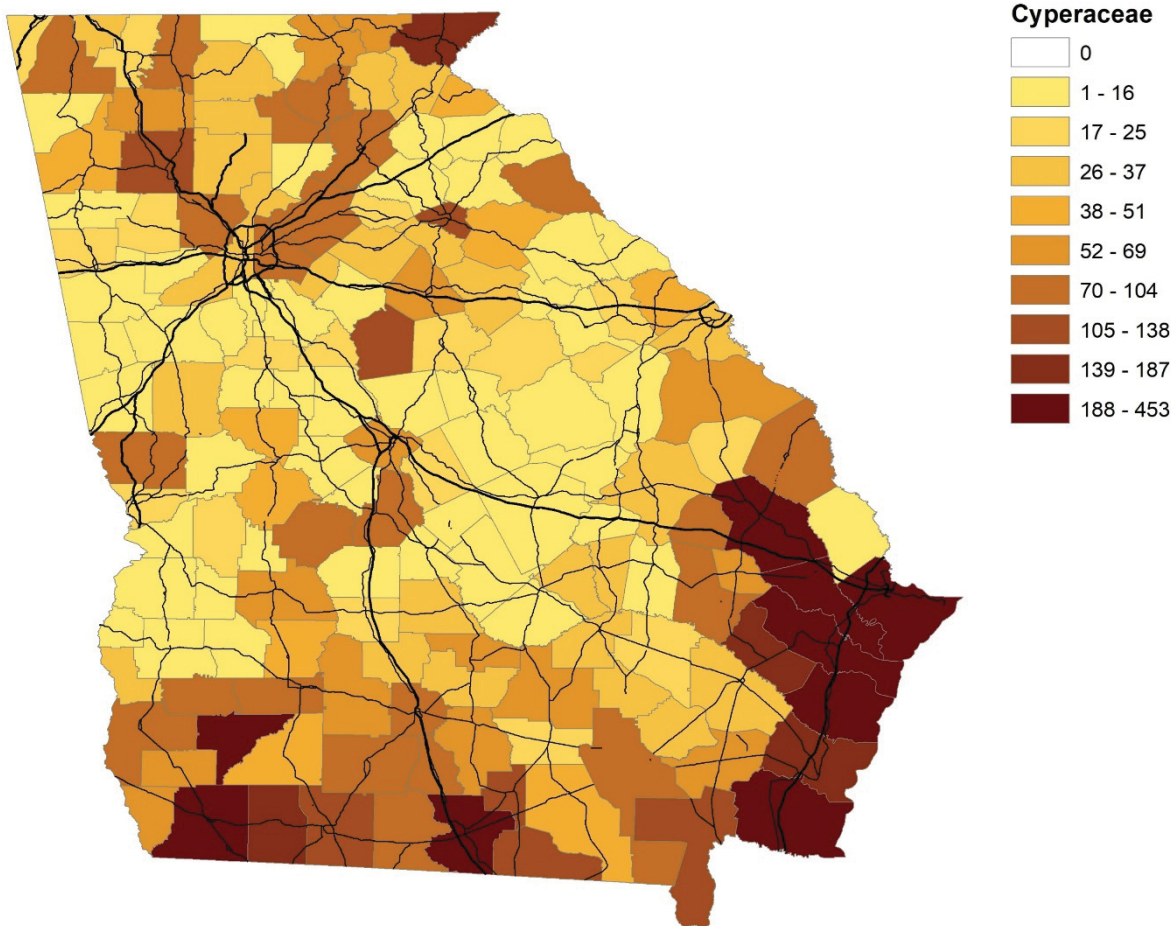


FIGURE 4. Cyperaceae heatmap of collections by county after targeted 2017 collecting trips, showing major roads.

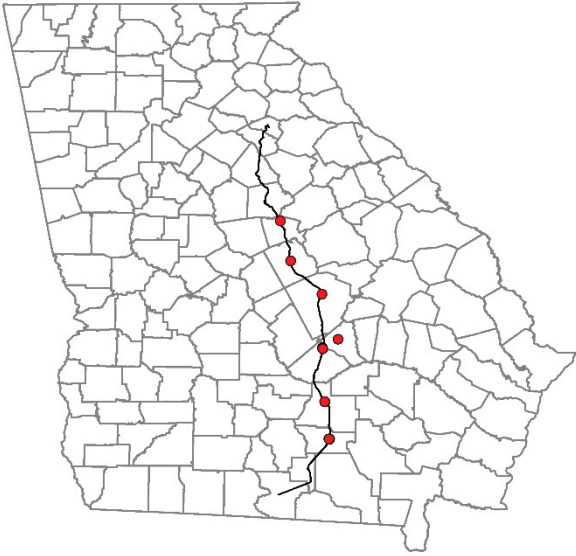


FIGURE 5. Collection sites along Highway US 441 for 2017 *Kyllinga* collecting trip.

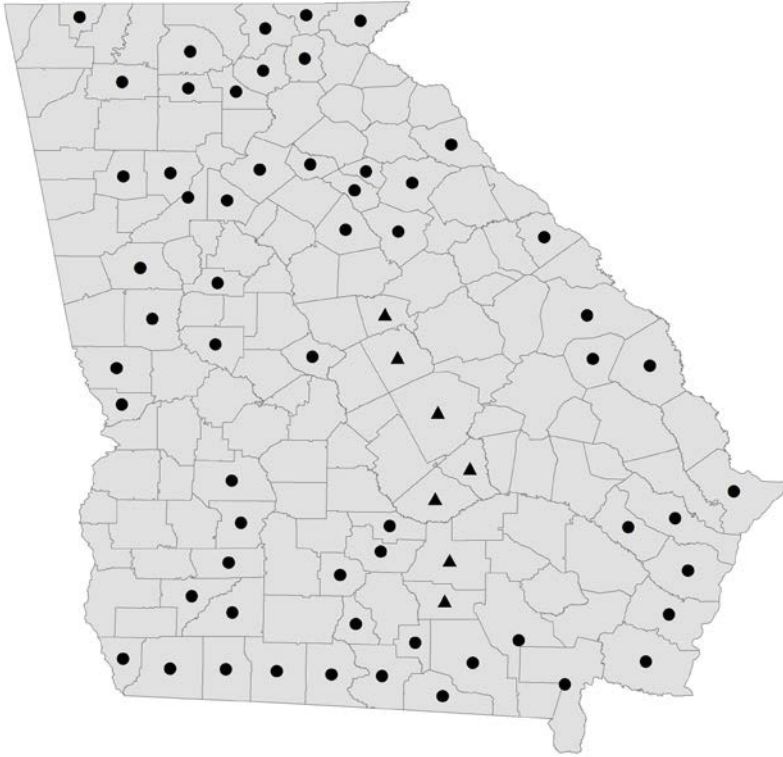


FIGURE 6. *Kyllinga* spp. map pre (circle) and post (triangle) collection efforts.

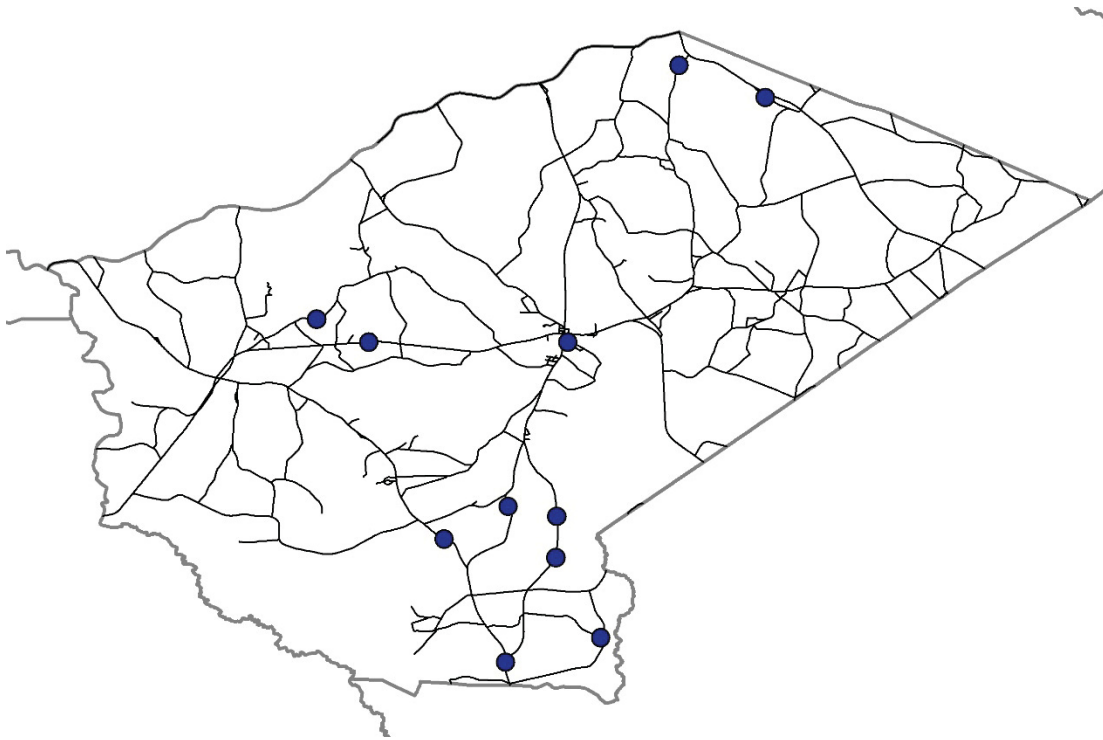


FIGURE 7. Collection sites for 2017 Glascock County Cyperaceae collecting trip.

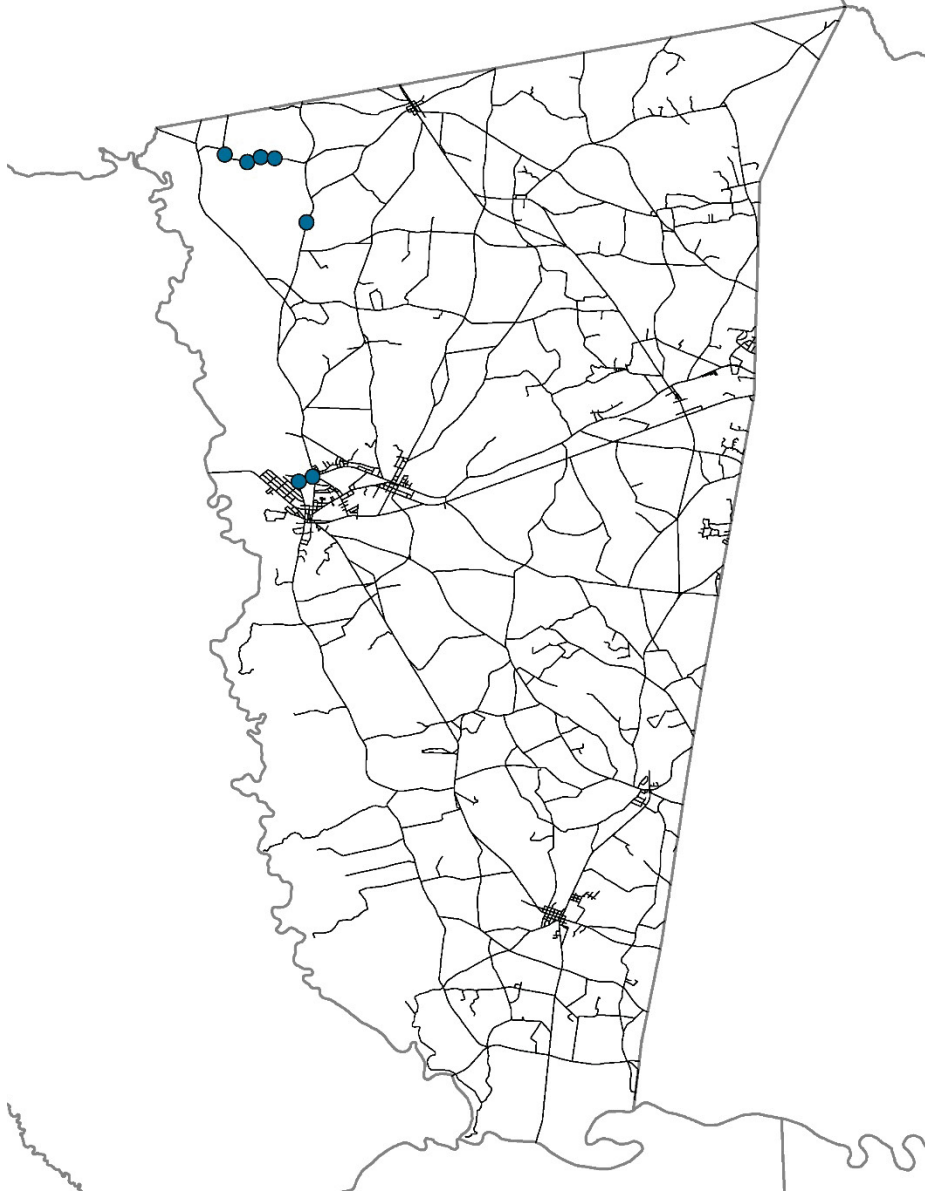


FIGURE 8. Collection sites for 2017 Montgomery County Cyperaceae collecting trip.

APPENDIX A:

A checklist of the Cyperaceae of Georgia based on holdings in herbaria of the University of Georgia (GA), Valdosta State University (VSC), and Georgia Southern University (GAS).

*= Taxa in Weakley (2015) with no synonym in FNA (2002)

†= Allochthonous taxa

‡= Weed taxa listed by Bryson and Carter (2008)

Family

<i>Cyperaceae</i>									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
67%	23%	10%	0%	0%	2%	11%	18%	16%	17%	16%	11%	8%	2%	0%

Genera

<i>Bolboschoenus</i>									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	6%	11%	28%	44%	6%	0%	6%	0%	0%

<i>Bulbostylis</i>									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
86%	12%	2%	0%	0%	0%	0%	1%	9%	20%	32%	21%	13%	3%	0%

<i>Carex</i>									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
47%	32%	21%	0%	0%	5%	28%	36%	15%	8%	4%	2%	1%	0%	0%

<i>Cladium</i>									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	5%	0%	11%	5%	26%	21%	16%	11%	0%	5%	0%

<i>Cymophyllus</i>									Collections	Status	Citations			
									GA					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	0%	100%	0%	0%	67%	33%	0%	0%	0%	0%	0%	0%	0%	0%

<i>Cyperus</i>									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
74%	22%	4%	0%	0%	0%	1%	3%	10%	22%	27%	22%	12%	3%	0%

<i>Dulichium</i>									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
74%	26%	0%	0%	0%	0%	3%	8%	18%	31%	23%	8%	10%	0%	0%

<i>Eleocharis</i>									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
75%	20%	5%	0%	0%	1%	6%	14%	19%	22%	13%	13%	9%	3%	0%

<i>Eriophorum</i>									Collections	Status	Citations			
									GA					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	0%	100%	0%	0%	0%	0%	0%	0%	33%	33%	33%	0%	0%	0%

<i>Fimbristylis</i>									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
81%	17%	2%	0%	0%	0%	0%	4%	8%	14%	35%	16%	16%	5%	0%

<i>Fuirena</i>									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
91%	9%	0%	0%	0%	1%	1%	1%	13%	15%	26%	21%	22%	2%	0%

<i>Isolepis</i>									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
33%	67%	0%	0%	0%	3%	41%	53%	3%	0%	0%	0%	0%	0%	0%

<i>Kyllinga</i>									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
63%	26%	11%	0%	1%	0%	1%	2%	4%	20%	20%	34%	15%	4%	0%

<i>Lipocarpha</i>									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	0%	0%	3%	14%	20%	23%	37%	3%	0%

<i>Oxycaryum</i>									Collections	Status	Citations			
									VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	0%	33%	0%	33%	33%	0%	0%	0%	0%

<i>Rhynchospora</i>									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
90%	8%	2%	0%	0%	0%	2%	11%	23%	24%	20%	10%	8%	1%	0%

<i>Schoenoplectus</i>									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
64%	36%	0%	2%	0%	2%	6%	14%	21%	15%	13%	16%	8%	2%	1%

<i>Scirpus</i>									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
41%	41%	18%	1%	0%	0%	3%	10%	19%	29%	18%	12%	8%	0%	0%

<i>Scleria</i>									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
77%	18%	5%	0%	0%	1%	7%	20%	30%	14%	10%	10%	8%	1%	0%

<i>Trichophorum</i>									Collections	Status	Citations			
									GA					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	50%	50%	0%	0%	0%	0%	50%	0%	50%	0%	0%	0%	0%	0%

<i>Websteria</i>									Collections	Status	Citations			
									GA					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%

Species and Intraspecific Taxa

<i>Bolboschoenus robustus</i> (Pursh) Soják									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	6%	11%	28%	44%	6%	0%	6%	0%	0%

† <i>Bulbostylis barbata</i> (Rottbøll) C. B. Clarke									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
91%	9%	0%	0%	0%	0%	0%	0%	1%	23%	37%	21%	14%	4%	0%

<i>Bulbostylis capillaris</i> (Linnaeus) C. B. Clarke <i>Bulbostylis capillaris</i> ssp. <i>capillaris</i>									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
41%	49%	10%	0%	0%	0%	2%	2%	10%	27%	19%	21%	15%	4%	0%

<i>Bulbostylis ciliatifolia</i> (Elliott) Fernald var. <i>ciliatifolia</i> <i>Bulbostylis coarctata</i> (Elliott) Fernald									Collections	Status	Citations			
									GA					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	2%	0%	0%	13%	13%	24%	28%	17%	2%	0%

<i>Bulbostylis ciliatifolia</i> var. <i>coarctata</i> <i>Bulbostylis coarctata</i> (Elliott) Fernald									Collections	Status	Citations			
									GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	0%	9%	27%	14%	23%	9%	14%	5%	0%

<i>Bulbostylis stenophylla</i> (Elliott) C. B. Clarke <i>Stenophyllus warei</i> (Torrey) Britton									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	7%	20%	30%	33%	7%	3%	0%	

<i>Bulbostylis warei</i> (Torrey) C. B. Clarke									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	9%	20%	54%	9%	9%	0%	0%	

<i>Carex abscondita</i> Mackenzie									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
54%	32%	14%	0%	0%	8%	21%	42%	13%	11%	5%	0%	0%	0%	0%	

<i>Carex acidicola</i> Naczi									Collections	Status	Citations				
									GA, VSC S2						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
25%	75%	0%	0%	0%	25%	0%	75%	0%	0%	0%	0%	0%	0%	0%	

<i>Carex aestivalis</i> M. A. Curtis ex A. Gray									Collections	Status	Citations				
									GA						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	0%	100%	0%	0%	0%	0%	17%	33%	42%	0%	8%	0%	0%	0%	

<i>Carex aggregata</i> Mackenzie									Collections	Status	Citations				
									GA						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	

<i>Carex alata</i> Torrey									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	6%	19%	56%	19%	0%	0%	0%	0%	0%	0%	

<i>Carex albicans</i> Willdenow ex Sprengel var. <i>albicans</i> <i>Carex albicans</i>									Collections	Status	Citations				
									GA						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	50%	50%	0%	0%	20%	60%	20%	0%	0%	0%	0%	0%	0%	0%	

<i>Carex albicans</i> var. <i>australis</i> (L. H. Bailey) J. Rettig <i>Carex physorhyncha</i> Liebmann ex Steudel									Collections	Status	Citations				
									VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
25%	75%	0%	0%	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%	0%	

<i>Carex albicans</i> var. <i>emmonsii</i> (Dewey ex Torrey) J. Rettig <i>Carex emmonsii</i> Dewey ex Torrey									Collections	Status	Citations			
									GA					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
33%	39%	28%	0%	4%	30%	48%	11%	7%	0%	0%	0%	0%	0%	0%

<i>Carex albolutescens</i> Schweinitz									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
73%	27%	0%	0%	0%	3%	27%	54%	5%	5%	3%	3%	0%	0%	0%

<i>Carex albursina</i> E. Sheldon									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	0%	100%	0%	0%	0%	0%	75%	25%	0%	0%	0%	0%	0%	0%

<i>Carex amphibola</i> Steudel									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
42%	48%	10%	0%	0%	6%	39%	48%	0%	3%	3%	0%	0%	0%	0%

<i>Carex annectens</i> (E. P. Bicknell) E. P. Bicknell									Collections	Status	Citations			
									VSC Carter (2008)					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
25%	25%	50%	0%	0%	0%	25%	75%	0%	0%	0%	0%	0%	0%	0%

<i>Carex appalachica</i> J. M. Webber & P. W. Ball									Collections	Status	Citations			
									GA, VSC S1					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	50%	50%	0%	0%	0%	0%	56%	33%	0%	0%	11%	0%	0%	0%

<i>Carex atlantica</i> L. H. Bailey ssp. <i>atlantica</i> <i>Carex atlantica</i>									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
67%	26%	7%	0%	0%	7%	49%	30%	9%	2%	2%	0%	0%	0%	0%

<i>Carex atlantica</i> ssp. <i>capillacea</i> (L. H. Bailey) Reznicek <i>Carex howei</i> Mackenzie									Collections	Status	Citations			
									GA					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
33%	53%	13%	0%	0%	3%	41%	45%	10%	0%	0%	0%	0%	0%	0%

<i>Carex aureolensis</i> Steudel									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
34%	54%	12%	0%	0%	0%	4%	20%	20%	36%	12%	0%	8%	0%	0%

‡<i>Carex austrina</i> (Small) Mackenzie									Collections	Status	Citations			
									GA					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%

<i>Carex austro-caroliniana</i> L. H. Bailey									Collections	Status	Citations			
									GA					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	36%	64%	5%	0%	9%	32%	45%	5%	5%	0%	0%	0%	0%	0%

<i>Carex austrodeflexa</i> P.D. McMillan									Collections	Status	Citations			
									GA, VSC Sorrie et al. (2011)					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
50%	50%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%

<i>Carex baltzellii</i> Chapman ex Dewey									Collections	Status	Citations			
									GA S1					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%

<i>Carex barrattii</i> Schweinitz & Torrey									Collections	Status	Citations			
									[CM]					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%

<i>Carex basiantha</i> Steudel									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	33%	50%	0%	17%	0%	0%	0%	0%	0%

<i>Carex biltmoreana</i> Mackenzie									Collections	Status	Citations			
									GA, VSC S1					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	0%	100%	0%	0%	0%	25%	25%	0%	0%	0%	25%	25%	0%	0%

<i>Carex blanda</i> Dewey									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
35%	46%	19%	0%	0%	0%	44%	47%	6%	3%	0%	0%	0%	0%	0%

‡<i>Carex brevior</i> Mackenzie ex Lunell									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
33%	67%	0%	0%	0%	0%	67%	33%	0%	0%	0%	0%	0%	0%	0%

<i>Carex bromoides</i> Schkuhr ex Willdenow									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
67%	33%	0%	0%	0%	33%	44%	22%	0%	0%	0%	0%	0%	0%	0%

<i>Carex brunnescens</i> (Persoon) Poiret in J. Lamarck et al.									Collections	Status	Citations			
									GA SH					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	0%	100%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%

<i>Carex bullata</i> Schkuhr ex Willdenow									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
33%	0%	67%	0%	0%	0%	17%	50%	0%	33%	0%	0%	0%	0%	0%	

<i>Carex bushii</i> Mackenzie									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
50%	50%	0%	0%	0%	0%	25%	50%	25%	0%	0%	0%	0%	0%	0%	

<i>Carex buxbaumii</i> Wahlenberg									Collections	Status	Citations				
<i>Questionably vouchered</i>											Jones & Coile (1988)				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	

<i>Carex calcifugens</i> Naczi									Collections	Status	Citations				
									GA, VSC		S2				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%	0%	

<i>Carex careyana</i> Torrey ex Dewey									Collections	Status	Citations				
									GA		S1				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	

<i>Carex caroliniana</i> Schweinitz									Collections	Status	Citations				
									GA, VSC		Van Horn (1980)				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
36%	50%	14%	0%	0%	5%	23%	68%	5%	0%	0%	0%	0%	0%	0%	

<i>Carex cephalophora</i> Muhlenberg ex Willdenow									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
20%	80%	0%	0%	0%	5%	35%	55%	5%	0%	0%	0%	0%	0%	0%	

<i>Carex chapmanii</i> Steudel									Collections	Status	Citations				
									VSC		S2S3				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	33%	33%	0%	33%	0%	0%	0%	0%	0%	0%	

‡<i>Carex cherokeensis</i> Schweinitz									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
51%	30%	19%	0%	0%	8%	52%	23%	10%	0%	2%	0%	2%	2%	0%	

<i>Carex collinsii</i> Nuttall									Collections	Status	Citations				
									GA		S2 Carter et al. (2009)				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	50%	0%	50%	0%	0%	0%	0%	0%	

Carex communis L. H. Bailey var. <i>communis</i> <i>Carex communis</i>									Collections	Status	Citations				
									GA						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
3%	0%	97%	0%	0%	3%	10%	76%	10%	0%	0%	0%	0%	0%	0%	

Carex communis var. <i>amplisqama</i> (F. J. Hermann) J. Rettig <i>Carex amplisquama</i> F.J. Hermann									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	13%	88%	0%	0%	25%	0%	75%	0%	0%	0%	0%	0%	0%	0%	

Carex comosa Boott									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
71%	14%	14%	0%	0%	14%	14%	29%	29%	14%	0%	0%	0%	0%	0%	

Carex complanata Torrey & Hooker									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
68%	23%	10%	0%	0%	3%	36%	35%	21%	4%	0%	1%	0%	0%	0%	

Carex corrugata Fernald									Collections	Status	Citations				
									GA, VSC S2						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	

Carex crawei Dewey									Collections	Status	Citations				
									GA Van Horn (1980)						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	0%	100%	0%	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%	0%	

Carex crebriflora Wiegand									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
43%	39%	18%	0%	0%	5%	50%	36%	5%	5%	0%	0%	0%	0%	0%	

Carex crinita Lamarck									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
11%	66%	23%	0%	0%	0%	22%	31%	28%	14%	2%	3%	0%	0%	0%	

Carex crus-corvi Shuttleworth ex Kunze									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	27%	27%	18%	27%	0%	0%	0%	0%	0%	

<i>Carex cumberlandensis</i> Naczi, Kral & Bryson									Collections GA, VSC	Status	Citations Naczi, Kral & Bryson (2001)			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
8%	50%	42%	0%	0%	0%	0%	58%	33%	8%	0%	0%	0%	0%	0%

<i>Carex dasycarpa</i> Muhlenberg									Collections GA, GAS, VSC	Status S3	Citations			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	7%	60%	33%	0%	0%	0%	0%	0%	0%	0%

<i>Carex debilis</i> Michaux var. <i>debilis</i> <i>Carex debilis</i>									Collections GA, GAS, VSC	Status	Citations			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
52%	29%	19%	0%	0%	4%	32%	51%	10%	0%	1%	0%	0%	0%	0%

<i>Carex debilis</i> var. <i>rudgei</i> L. H. Bailey <i>Carex allegheniensis</i> Mackenzie									Collections GA	Status	Citations			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	0%	100%	0%	0%	0%	0%	33%	50%	0%	0%	17%	0%	0%	0%

<i>Carex decomposita</i> Muhlenberg									Collections GA, VSC	Status S2	Citations			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	20%	20%	20%	20%	20%	0%	0%	0%	0%	0%

<i>Carex digitalis</i> Willdenow									Collections GA, GAS, VSC	Status S2	Citations			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
51%	27%	22%	0%	0%	7%	44%	31%	15%	4%	0%	0%	0%	0%	0%

<i>Carex eburnea</i> Boott									Collections GA	Status S1	Citations			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	0%	100%	0%	0%	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%

<i>Carex echinata</i> Murray									Collections GA	Status	Citations			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%

<i>Carex elliotii</i> Schweinitz & Torrey									Collections GA, GAS, VSC	Status	Citations			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	11%	0%	33%	44%	11%	0%	0%	0%	0%	0%

<i>Carex festucacea</i> Schkuhr ex Willdenow									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
63%	25%	13%	0%	0%	0%	25%	54%	4%	7%	0%	0%	7%	0%	4%

<i>Carex fissa</i> Mackenzie									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	38%	23%	15%	23%	0%	0%	0%	0%	0%

<i>Carex flaccosperma</i> Dewey									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
31%	60%	9%	0%	0%	3%	59%	31%	7%	0%	0%	0%	0%	0%	0%

<i>Carex floridana</i> Schweinitz									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
75%	19%	6%	0%	0%	56%	38%	0%	0%	0%	0%	0%	0%	0%	6%

<i>Carex folliculata</i> Linnaeus									Collections	Status	Citations					
									GA, VSC		S1					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
17%	0%	83%	0%	0%	0%	0%	33%	33%	0%	33%	0%	0%	0%	0%		

<i>Carex frankii</i> Kunth									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
25%	45%	30%	0%	0%	0%	0%	11%	46%	32%	7%	0%	4%	0%	0%

<i>Carex gholsonii</i> Naczi & Cochrane									Collections	Status	Citations					
									VSC		S2					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%		

<i>Carex gigantea</i> Rudge									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
81%	8%	11%	0%	0%	5%	12%	30%	19%	26%	9%	0%	0%	0%	0%

<i>Carex glaucescens</i> Elliott									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
89%	5%	6%	0%	0%	0%	3%	1%	8%	34%	27%	14%	12%	1%	0%

<i>Carex godfreyi</i> Naczi									Collections	Status	Citations					
									GA, VSC		S2		Naczi (1993)			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
100%	0%	0%	0%	0%	0%	62%	23%	15%	0%	0%	0%	0%	0%	0%		

<i>Carex gracilescens</i> Steudel									Collections	Status	Citations			
									GA					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
25%	38%	38%	0%	0%	25%	50%	25%	0%	0%	0%	0%	0%	0%	0%

<i>Carex gracillima</i> Schweinitz									Collections	Status	Citations			
									GA					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
25%	38%	38%	0%	0%	0%	25%	0%	0%	25%	50%	0%	0%	0%	0%

<i>Carex granularis</i> Muhlenberg ex Willdenow									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
70%	15%	15%	0%	0%	10%	20%	40%	30%	0%	0%	0%	0%	0%	0%

† <i>Carex gravida</i> L. H. Bailey									Collections	Status	Citations			
									GA					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
50%	50%	0%	0%	0%	0%	0%	50%	0%	50%	0%	0%	0%	0%	0%

<i>Carex grayi</i> J. Carey									Collections	Status	Citations			
									GA		S2			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	50%	50%	0%	0%	0%	38%	38%	13%	0%	0%	0%	0%	13%	0%

<i>Carex grisea</i> Wahlenberg									Collections	Status	Citations			
									[GEO, FSU]					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%	0%

<i>Carex gynandra</i> Schweinitz									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	44%	56%	0%	0%	0%	33%	11%	44%	0%	0%	11%	0%	0%	0%

<i>Carex hirsutella</i> Mackenzie									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
6%	85%	9%	0%	0%	0%	29%	47%	24%	0%	0%	0%	0%	0%	0%

<i>Carex hyalinolepis</i> Steudel									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
94%	3%	3%	0%	0%	31%	31%	38%	0%	0%	0%	0%	0%	0%	0%

<i>Carex hystericina</i> Muhlenberg ex Willdenow									Collections	Status	Citations			
									GA, VSC		S2			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	100%	0%	0%	0%	0%	25%	75%	0%	0%	0%	0%	0%	0%	0%

<i>Carex intumescens</i> Rudge									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
61%	25%	14%	0%	0%	2%	38%	34%	13%	10%	1%	1%	0%	0%	0%

<i>Carex jorii</i> L. H. Bailey									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
88%	6%	6%	0%	0%	0%	0%	4%	4%	27%	38%	19%	4%	4%	0%

<i>Carex kraliana</i> Naczi & Bryson									Collections	Status	Citations			
									GA					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
33%	67%	0%	0%	0%	0%	0%	33%	33%	33%	0%	0%	0%	0%	0%

<i>Carex laevivaginata</i> (Kükenthal) Mackenzie									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
17%	83%	0%	0%	0%	0%	33%	60%	7%	0%	0%	0%	0%	0%	0%

<i>Carex laxiculmis</i> Schweinitz									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	50%	50%	0%	0%	0%	30%	40%	10%	0%	10%	10%	0%	0%	0%

<i>Carex laxiflora</i> Lamarck									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
13%	60%	27%	0%	0%	4%	49%	33%	7%	5%	0%	2%	0%	0%	0%

<i>Carex leavenworthii</i> Dewey									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
22%	56%	22%	0%	0%	0%	39%	61%	0%	0%	0%	0%	0%	0%	0%

<i>Carex leptalea</i> Wahlenberg									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
33%	58%	9%	0%	0%	3%	41%	31%	16%	3%	6%	0%	0%	0%	0%

<i>Carex lonchocarpa</i> Willdenow ex Sprengel									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	7%	23%	33%	20%	13%	3%	0%	0%	0%	0%

‡ <i>Carex longii</i> Mackenzie									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
85%	15%	0%	0%	0%	2%	24%	39%	15%	7%	4%	6%	2%	0%	0%

Carex louisianica L. H. Bailey									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
91%	7%	2%	0%	0%	4%	21%	23%	23%	17%	10%	0%	2%	0%	0%	

Carex lucorum Willenow ex Link									Collections	Status	Citations				
<i>Carex australucorum</i> (J. Rettig) D.B. Poind. & Naczi									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	0%	100%	0%	0%	5%	19%	62%	14%	0%	0%	0%	0%	0%	0%	

Carex lupuliformis Sartwell ex Dewey									Collections	Status	Citations				
									VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	67%	0%	33%	0%	0%	0%	0%	0%	

Carex lupulina Willdenow									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
60%	36%	5%	0%	0%	0%	10%	38%	22%	15%	11%	3%	1%	0%	0%	

Carex lurida Wahlenberg									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
38%	50%	12%	0%	0%	1%	7%	50%	26%	12%	1%	2%	0%	0%	0%	

Carex manhartii Bryson									Collections	Status	Citations				
									GA, VSC		S2S3				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	0%	100%	0%	0%	0%	0%	88%	13%	0%	0%	0%	0%	0%	0%	

Carex meadii Dewey									Collections	Status	Citations				
									GA		S2				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	0%	100%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	

Carex mesochorea Mackenzie									Collections	Status	Citations				
									GA						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	

Carex misera Buckley									Collections	Status	Citations				
									GA		S1				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	

Carex mitchelliana M. A. Curtis									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
13%	70%	17%	0%	0%	13%	20%	53%	7%	7%	0%	0%	0%	0%	0%	

<i>Carex molestiformis</i> Reznicek & P. E. Rothrock									Collections	Status	Citations			
									GA	S1	Rothrock (2011)			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	50%	50%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%

<i>Carex muehlenbergii</i> Schkuhr ex Willdenow									Collections	Status	Citations			
									GA, GAS, VSC	S2				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
53%	29%	18%	0%	0%	0%	41%	24%	24%	12%	0%	0%	0%	0%	0%

<i>Carex nigromarginata</i> Schweinitz									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
11%	57%	32%	0%	6%	22%	56%	11%	3%	2%	0%	0%	0%	0%	0%

<i>Carex normalis</i> Mackenzie									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
17%	42%	42%	0%	0%	0%	17%	83%	0%	0%	0%	0%	0%	0%	0%

†‡<i>Carex oklahomensis</i> Mackenzie									Collections	Status	Citations			
									GA, VSC		Bryson (2010)			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%

<i>Carex oligocarpa</i> Willdenow									Collections	Status	Citations			
									GA	S2				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	0%	100%	0%	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%	0%

<i>Carex oxylepis</i> Torrey & Hooker									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
58%	38%	5%	0%	0%	3%	55%	33%	8%	3%	0%	0%	0%	0%	0%

<i>Carex pedunculata</i> Muhlenberg ex Willdenow									Collections	Status	Citations			
									GA	S1				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
50%	0%	50%	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%	0%	0%

<i>Carex pensylvanica</i> Lamarck									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	44%	56%	0%	0%	25%	33%	29%	8%	4%	0%	0%	0%	0%	0%

<i>Carex picta</i> Steudel									Collections	Status	Citations			
									GA, VSC		Duncan (1948)			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	75%	25%	0%	8%	42%	50%	0%	0%	0%	0%	0%	0%	0%	0%

<i>Carex pigra</i> Naczi									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
50%	19%	31%	0%	0%	13%	50%	38%	0%	0%	0%	0%	0%	0%	0%

<i>Carex planispicata</i> Naczi									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
79%	21%	0%	0%	0%	0%	86%	0%	0%	14%	0%	0%	0%	0%	0%

<i>Carex plantaginea</i> Lamarck									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	45%	55%	9%	0%	9%	55%	18%	0%	0%	0%	0%	9%	0%	0%

<i>Carex platyphylla</i> J. Carey									Collections	Status	Citations			
									GA	S1S2				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	0%	100%	0%	0%	0%	20%	40%	20%	20%	0%	0%	0%	0%	0%

<i>Carex prasina</i> Wahlenberg									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	40%	60%	0%	0%	0%	20%	40%	20%	20%	0%	0%	0%	0%	0%

<i>Carex purpurifera</i> Mackenzie									Collections	Status	Citations			
									GA	S2				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	0%	100%	0%	0%	20%	40%	40%	0%	0%	0%	0%	0%	0%	0%

<i>Carex radfordii</i> Gaddy									Collections	Status	Citations			
									GA	S1	Gaddy (1995)			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	100%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%

<i>Carex radiata</i> (Wahlenberg) Small									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
8%	53%	40%	0%	0%	0%	10%	55%	30%	5%	0%	0%	0%	0%	0%

<i>Carex reniformis</i> (L. H. Bailey) Small									Collections	Status	Citations			
									GA, VSC		S1			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%	0%

<i>Carex retroflexa</i> Muhlenberg ex Willdenow									Collections	Status	Citations			
									GA					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
35%	50%	15%	0%	0%	7%	44%	44%	4%	0%	0%	0%	0%	0%	0%

*<i>Carex reznicekii</i> Werier									Collections GA	Status	Citations Werier (2006)			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	100%	0%	0%	0%	33%	67%	0%	0%	0%	0%	0%	0%	0%	0%

<i>Carex roanensis</i> F. J. Hermann									Collections [MSC]	Status S1	Citations Smith (2006)			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	0%	100%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%

<i>Carex rosea</i> Schkuhr ex Willdenow									Collections GA, VSC	Status	Citations			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
23%	77%	0%	0%	0%	0%	8%	38%	38%	8%	0%	8%	0%	0%	0%

<i>Carex ruthii</i> Mackenzie									Collections GA, VSC	Status	Citations			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	0%	100%	0%	0%	0%	0%	40%	60%	0%	0%	0%	0%	0%	0%

<i>Carex scabrata</i> Schweinitz									Collections GA	Status S3	Citations			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	0%	100%	0%	0%	0%	0%	25%	38%	0%	38%	0%	0%	0%	0%

<i>Carex scoparia</i> Schkuhr ex Willdenow									Collections GA, GAS, VSC	Status	Citations			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	62%	38%	0%	0%	0%	0%	46%	38%	15%	0%	0%	0%	0%	0%

<i>Carex seorsa</i> Howe									Collections GA	Status S1	Citations			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
56%	44%	0%	0%	0%	13%	25%	63%	0%	0%	0%	0%	0%	0%	0%

<i>Carex socialis</i> Mohlenbrock & Schwegman									Collections GA	Status S1	Citations Naczi & Bryson (1990)			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%

<i>Carex sparganioides</i> Muhlenberg ex Willdenow									Collections GA	Status	Citations			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	100%	0%	0%	0%	0%	50%	0%	50%	0%	0%	0%	0%	0%	0%

<i>Carex squarrosa</i> Linnaeus									Collections GA, VSC	Status	Citations			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	75%	25%	0%	0%	0%	17%	50%	33%	0%	0%	0%	0%	0%	0%

Carex stipata Muhlenberg ex Willdenow									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
56%	35%	9%	0%	0%	0%	29%	59%	12%	0%	0%	0%	0%	0%	0%	

Carex striata Michaux									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
93%	3%	3%	0%	0%	7%	30%	23%	33%	3%	0%	0%	3%	0%	0%	

Carex striatula Michaux									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
43%	41%	17%	0%	0%	4%	59%	37%	0%	0%	0%	0%	0%	0%	0%	

Carex stricta Lamarck									Collections	Status	Citations				
									GA, VSC		S1				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	100%	0%	0%	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%	0%	

Carex styloflexa Buckley									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
44%	27%	29%	0%	0%	9%	42%	45%	3%	0%	0%	0%	0%	0%	0%	

Carex superata Naczi									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
44%	44%	13%	0%	0%	0%	25%	63%	13%	0%	0%	0%	0%	0%	0%	

Carex swanii (Fernald) Mackenzie									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	0%	100%	0%	0%	0%	0%	40%	0%	60%	0%	0%	0%	0%	0%	

Carex tenax Chapman ex Dewey									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	22%	48%	11%	11%	7%	0%	0%	0%	0%	

Carex texensis (Torrey ex L. H. Bailey) L. H. Bailey									Collections	Status	Citations				
									GA						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
38%	63%	0%	0%	0%	0%	75%	25%	0%	0%	0%	0%	0%	0%	0%	

Carex thornei Naczi									Collections	Status	Citations				
									GA, VSC		S2				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%	0%	0%	

Carex tonsa (Fernald) E. P. Bicknell var. tonsa <i>Carex tonsa</i>									Collections GA	Status	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	43%	58%	0%	0%	32%	63%	0%	0%	0%	0%	0%	0%	5%	0%	

Carex tonsa var. rugosperma (Mackenzie) Crins <i>Carex rugosperma</i> Mackenzie									Collections VSC	Status	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	

Carex torta Boott									Collections GA, VSC	Status S1	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	50%	50%	0%	0%	20%	80%	0%	0%	0%	0%	0%	0%	0%	0%	

Carex triangularis Boeckeler									Collections VSC	Status S2	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	

Carex tribuloides Wahlenberg									Collections GA, VSC	Status	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
29%	56%	15%	0%	0%	0%	5%	47%	35%	5%	5%	5%	0%	0%	0%	

Carex turgescens Torrey									Collections GA, VSC	Status	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	33%	50%	17%	0%	0%	0%	0%	0%	0%	

Carex typhina Michaux									Collections GA, GAS	Status	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	56%	11%	22%	0%	11%	0%	0%	0%	

Carex umbellata Schkuhr ex Willdenow									Collections GA	Status	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
6%	50%	44%	0%	0%	29%	65%	6%	0%	0%	0%	0%	0%	0%	0%	

Carex venusta Dewey									Collections GA, VSC	Status S2	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
87%	7%	7%	0%	0%	0%	27%	60%	13%	0%	0%	0%	0%	0%	0%	

Carex verrucosa Muhlenberg									Collections GA, GAS, VSC	Status	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
95%	2%	2%	0%	0%	2%	17%	12%	7%	17%	22%	12%	10%	0%	0%	

<i>Carex virescens</i> Muhlenburg ex Willdenow									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	0%	100%	0%	0%	0%	0%	33%	33%	14%	14%	5%	0%	0%	0%	

‡<i>Carex vulpinoidea</i> Michaux									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
25%	53%	22%	0%	0%	0%	10%	52%	30%	6%	1%	0%	0%	0%	0%	

<i>Carex walteriana</i> Bailey									Collections	Status	Citations				
									VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	33%	33%	33%	0%	0%	0%	0%	0%	0%	

<i>Carex willdenowii</i> Schkuhr ex Willdenow									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
58%	42%	0%	0%	0%	23%	62%	0%	15%	0%	0%	0%	0%	0%	0%	

<i>Carex woodii</i> Dewey									Collections	Status	Citations				
									GA, VSC S1						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	

<i>Cladium jamaicense</i> Crantz									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	5%	0%	11%	5%	26%	21%	16%	11%	0%	5%	0%	

<i>Cymophyllus fraserianus</i> (Ker Gawler) Kartesz & Gandhi									Collections	Status	Citations				
<i>Carex fraseriana</i> Ker-Gawler									GA S1						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	0%	100%	0%	0%	67%	33%	0%	0%	0%	0%	0%	0%	0%	0%	

<i>Cyperus acuminatus</i> Torrey & Hooker									Collections	Status	Citations				
									GA						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	

<i>Cyperus articulatus</i> Linnaeus									Collections	Status	Citations				
Questionably vouchered									FNA (1992)						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	

<i>Cyperus bipartitus</i> Torrey									Collections	Status	Citations				
									GA, GAS						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
25%	38%	38%	0%	0%	0%	0%	0%	0%	0%	25%	75%	0%	0%	0%	

‡<i>Cyperus compressus</i> Linnaeus									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
96%	4%	0%	0%	0%	0%	0%	1%	3%	24%	36%	19%	9%	7%	0%	

‡<i>Cyperus croceus</i> Vahl									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
78%	22%	0%	0%	1%	1%	2%	2%	15%	25%	22%	27%	5%	0%	1%	

<i>Cyperus cuspidatus</i> Kunth									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	22%	33%	0%	33%	11%	0%	

†‡<i>Cyperus difformis</i> Linnaeus									Collections	Status	Citations				
									GA, VSC Bryson et al. (1996)						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
67%	0%	33%	0%	0%	0%	0%	0%	0%	67%	33%	0%	0%	0%	0%	

<i>Cyperus digitatus</i> Roxburgh									Collections	Status	Citations				
									GA, VSC Carter (2008)						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	67%	0%	0%	0%	

<i>Cyperus distinctus</i> Steudel									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	10%	0%	10%	20%	40%	10%	10%	0%	

<i>Cyperus drummondii</i> Torrey & Hooker									Collections	Status	Citations				
									GA, VSC Carter, Baker, & Morris (2009)						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	6%	47%	12%	18%	0%	18%	0%	0%	

‡<i>Cyperus echinatus</i> (Linnaeus) Alph. Wood									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
53%	32%	15%	0%	0%	0%	0%	1%	18%	39%	20%	17%	3%	1%	0%	

†‡<i>Cyperus entrerianus</i> Boeckeler									Collections	Status	Citations				
									GA, VSC Carter (1990)						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
94%	6%	0%	0%	0%	0%	0%	0%	6%	59%	24%	12%	0%	0%	0%	

<i>Cyperus erythrorhizos</i> Muhlenberg									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
74%	26%	0%	0%	0%	0%	0%	5%	5%	7%	21%	35%	21%	7%	0%	

†‡<i>Cyperus esculentus</i> Linnaeus									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
87%	7%	7%	0%	0%	0%	0%	3%	10%	17%	20%	30%	10%	10%	0%	

<i>Cyperus filicinus</i> Vahl									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	11%	11%	22%	33%	0%	22%	0%	

<i>Cyperus filiculmis</i> Vahl									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	4%	12%	25%	41%	8%	10%	0%	0%	

<i>Cyperus flavescens</i> Linnaeus									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
35%	45%	20%	0%	0%	0%	0%	0%	0%	18%	30%	39%	9%	3%	0%	

<i>Cyperus flavicomus</i> Michaux									Collections	Status	Citations				
									GA, GAS						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	50%	50%	0%	0%	0%	

<i>Cyperus fraternus</i> Kunth									Collections	Status	Citations				
<i>As <i>Cyperus reflexus</i> Vahl in FNA (2002)</i>									VSC			Carter et al. (2009)			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	33%	0%	0%	

<i>Cyperus granitophilus</i> McVaugh									Collections	Status	Citations				
									GA, VSC			McVaugh (1936)			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	100%	0%	0%	3%	7%	0%	0%	0%	3%	20%	17%	27%	20%	3%	

<i>Cyperus grayi</i> Torrey									Collections	Status	Citations				
									GA, GAS, VSC			Sorrie & LeBlond (2008)			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	8%	17%	42%	17%	17%	0%	0%	

‡<i>Cyperus haspan</i> Linnaeus									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
95%	5%	0%	0%	0%	0%	0%	1%	6%	18%	32%	23%	12%	6%	1%	

<i>Cyperus hystricinus</i> Fernald									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
63%	38%	0%	0%	0%	0%	0%	0%	13%	38%	38%	13%	0%	0%	0%	

†‡<i>Cyperus iria</i> Linnaeus									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
69%	31%	0%	0%	0%	0%	0%	0%	11%	19%	34%	19%	15%	2%	0%	

<i>Cyperus lancastris</i> Porter									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
12%	88%	0%	0%	0%	0%	0%	0%	8%	31%	46%	15%	0%	0%	0%	

<i>Cyperus lanceolatus</i> Poiret									Collections	Status	Citations				
									GA, VSC Bryson et al. (1996)						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	56%	0%	22%	22%	0%	0%	

<i>Cyperus lecontei</i> Torrey ex Steudel									Collections	Status	Citations				
									GA, GAS, VSC Carter et al. (2009)						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	40%	0%	20%	0%	0%	40%	0%	0%	

<i>Cyperus lupulinus</i> (Sprengel) Marcks									Collections	Status	Citations				
									GA, VSC S1						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
17%	67%	17%	0%	0%	0%	0%	0%	0%	33%	67%	0%	0%	0%	0%	

*<i>Cyperus nashii</i> Small									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	17%	67%	17%	0%	0%	0%	

†<i>Cyperus ochraceus</i> Vahl									Collections	Status	Citations				
									GA						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	

‡<i>Cyperus odoratus</i> Linnaeus									Collections	Status	Citations				
									GA, GAS						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
92%	8%	0%	0%	0%	0%	0%	0%	3%	21%	16%	24%	34%	3%	0%	

<i>Cyperus ovatus</i> Baldwin									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	0%	0%	17%	42%	33%	8%	0%	0%	0%

† <i>Cyperus oxylepis</i> Nees ex Steudel									Collections	Status	Citations			
									GA, VSC Bryson et al. (1996)					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	0%	0%	0%	67%	33%	0%	0%	0%	0%

†‡ <i>Cyperus pilosus</i> Vahl									Collections	Status	Citations			
									Carter et al. (2009)					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%

<i>Cyperus plukenetii</i> Fernald									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
88%	12%	0%	0%	0%	2%	0%	2%	2%	16%	37%	33%	10%	0%	0%

<i>Cyperus polystachyos</i> Rottbøll									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
89%	11%	0%	0%	0%	0%	0%	0%	15%	10%	25%	20%	23%	8%	0%

<i>Cyperus pseudovegetus</i> Steudel									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
78%	15%	7%	0%	0%	0%	1%	8%	22%	28%	24%	9%	5%	3%	0%

† <i>Cyperus pumilus</i> Linnaeus									Collections	Status	Citations			
									VSC Bryson et al. (1996)					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%

<i>Cyperus refractus</i> Engelmann ex Boeckeler									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	100%	0%	0%	0%	0%	0%	0%	0%	50%	50%	0%	0%	0%	0%

‡ <i>Cyperus retrofractus</i> (Linnaeus) Torrey									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
49%	41%	10%	0%	0%	0%	0%	0%	9%	12%	41%	21%	18%	0%	0%

<i>Cyperus retrorsus</i> Chapman									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
79%	18%	3%	0%	0%	0%	0%	1%	18%	22%	28%	27%	4%	1%	0%

†<i>Cyperus rotundus</i> Linnaeus									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
76%	24%	0%	0%	0%	0%	7%	7%	17%	22%	15%	13%	15%	4%	0%	

†‡<i>Cyperus sanguinolentus</i> Vahl									Collections	Status	Citations				
									GA, VSC Carter & Bryson (2000)						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	88%	0%	13%	

<i>Cyperus squarrosus</i> Linnaeus									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
21%	79%	0%	0%	0%	0%	3%	0%	6%	12%	24%	12%	30%	12%	0%	

<i>Cyperus strigosus</i> Linnaeus									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
40%	42%	18%	0%	0%	0%	0%	0%	3%	18%	32%	33%	15%	0%	0%	

†‡<i>Cyperus surinamensis</i> Rottbøll									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
93%	8%	0%	0%	0%	0%	0%	8%	3%	43%	23%	15%	10%	0%	0%	

<i>Cyperus tetragonus</i> Elliott									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	60%	0%	20%	10%	

<i>Cyperus thrysiflorus</i> Junghuhn									Collections	Status	Citations				
									GA S1						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	

†<i>Cyperus virens</i> Michaux									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
91%	9%	0%	0%	0%	0%	2%	14%	15%	31%	17%	8%	7%	5%	2%	

<i>Dulichium arundinaceum</i> (Linnaeus) Britton									Collections	Status	Citations				
									GA, GAS, VSC S1						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
74%	26%	0%	0%	0%	0%	3%	8%	18%	31%	23%	8%	10%	0%	0%	

<i>Eleocharis acicularis</i> (Linnaeus) Roemer & Schultes									Collections	Status	Citations			
									GA					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
70%	30%	0%	0%	0%	0%	13%	13%	27%	13%	20%	13%	0%	0%	0%

<i>Eleocharis albida</i> Torrey									Collections	Status	Citations			
									GA	S2S3				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	0%	0%	14%	14%	14%	29%	14%	14%	0%

<i>Eleocharis ambigens</i> Fernald									Collections	Status	Citations			
<i>Including <i>Eleocharis fallax</i> Weatherby</i>									GA	S1				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%	0%

<i>Eleocharis atropurpurea</i> (Retzius) J. Presl & C. Presl									Collections	Status	Citations			
									GA, VSC	S1S3				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	50%	0%	0%	0%

<i>Eleocharis baldwinii</i> (Torrey) Chapman									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
91%	6%	2%	0%	0%	0%	2%	2%	5%	32%	7%	20%	27%	5%	0%

<i>Eleocharis bicolor</i> Chapman									Collections	Status	Citations			
<i>Questionably vouchered</i>											FNA (1992)			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

<i>Eleocharis bifida</i> S. G. Smith									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%

<i>Eleocharis brittonii</i> Svenson ex Small									Collections	Status	Citations			
									VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	20%	20%	0%	0%	60%	0%	0%	0%	0%

<i>Eleocharis calva</i> Torrey									Collections	Status	Citations			
									VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%

<i>Eleocharis cellulosa</i> Torrey									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	25%	25%	0%	0%

<i>Eleocharis compressa</i> Sullivant									Collections	Status	Citations				
									GA	S2S3					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	0%	100%	0%	0%	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%	

<i>Eleocharis elongata</i> Chapman									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	33%	0%	33%	33%	0%	0%	0%	0%	

<i>Eleocharis engelmannii</i> Steudel									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
33%	67%	0%	0%	0%	0%	0%	0%	0%	67%	0%	33%	0%	0%	0%	

<i>Eleocharis equisetoides</i> (Elliott) Torrey									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
95%	5%	0%	0%	0%	0%	0%	11%	16%	32%	16%	5%	21%	0%	0%	

<i>Eleocharis erythropoda</i> Steudel									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	100%	0%	0%	0%	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%	

<i>Eleocharis flavescens</i> (Poiret) Urban									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
88%	12%	0%	0%	0%	6%	6%	6%	12%	24%	6%	18%	12%	12%	0%	

<i>Eleocharis flavescens</i> var. <i>olivacea</i> (Torrey) Gleason									Collections	Status	Citations				
<i>Eleocharis olivacea</i> Torrey									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
93%	7%	0%	0%	0%	0%	0%	0%	21%	43%	21%	0%	14%	0%	0%	

<i>Eleocharis geniculata</i> (Linnaeus) Roemer & Schultes									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	25%	50%	0%	25%	0%	0%	

<i>Eleocharis melanocarpa</i> Torrey									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
95%	5%	0%	0%	0%	5%	0%	14%	38%	29%	5%	5%	5%	0%	0%	

<i>Eleocharis microcarpa</i> Torrey									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
79%	18%	3%	0%	0%	2%	0%	12%	15%	27%	12%	17%	10%	3%	2%	

<i>Eleocharis minima</i> Kunth									Collections	Status	Citations					
									[FSU]							
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%		

<i>Eleocharis montana</i> (Kunth) Roemer & Schultes									Collections	Status	Citations				
									GA, VSC	S1					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	17%	0%	17%	33%	0%	0%	17%	17%	0%	0%	

<i>Eleocharis montevidensis</i> Kunth									Collections	Status	Citations				
									GA, VSC	S3					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	9%	18%	27%	27%	0%	0%	9%	9%	0%	

<i>Eleocharis obtusa</i> (Willdenow) J.A. Schultes									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
45%	41%	15%	0%	0%	0%	5%	19%	18%	12%	15%	18%	8%	4%	0%	

† <i>Eleocharis parvula</i> (Roemer & Schultes) Link ex Bluff Nees, & Schauer									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
86%	7%	7%	0%	0%	0%	0%	14%	29%	57%	0%	0%	0%	0%	0%	

<i>Eleocharis quadrangulata</i> (Michaux) Roemer & Schultes									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
73%	17%	10%	0%	0%	0%	0%	13%	0%	40%	33%	7%	7%	0%	0%	

<i>Eleocharis robbinsii</i> Oakes									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	14%	29%	0%	0%	29%	29%	0%	0%	

<i>Eleocharis tenuis</i> (Willdenow) Schultes									Collections	Status	Citations				
									GA	S2					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
40%	20%	40%	0%	0%	20%	40%	20%	0%	20%	0%	0%	0%	0%	0%	

<i>Eleocharis tortilis</i> (Link) Schultes									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
85%	15%	0%	0%	0%	0%	0%	46%	31%	8%	8%	8%	0%	0%	0%	

<i>Eleocharis tricostata</i> Torrey									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
96%	4%	0%	0%	0%	0%	25%	33%	17%	4%	13%	4%	4%	0%	0%	

<i>Eleocharis tuberculosa</i> (Michaux) Roemer & Schultes									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
84%	16%	0%	0%	0%	0%	8%	10%	25%	27%	11%	12%	6%	1%	1%

<i>Eleocharis vivipara</i> (Link) Rikli									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	25%	6%	25%	25%	6%	6%	6%	0%	0%

<i>Eleocharis wolfii</i> (A. Gray) A. Gray ex Britton									Collections	Status	Citations					
									GA, VSC		S1					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
0%	100%	0%	0%	0%	0%	40%	20%	20%	20%	0%	0%	0%	0%	0%		

<i>Eriophorum virginicum</i> Linnaeus									Collections	Status	Citations			
									GA					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0%	0%	100%	0%	0%	0%	0%	0%	0%	33%	33%	33%	0%	0%	0%

‡<i>Fimbristylis annua</i> (Allioni) Roemer & Schultes									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
47%	53%	0%	0%	0%	0%	0%	0%	2%	3%	47%	19%	24%	3%	2%

<i>Fimbristylis autumnalis</i> (Linnaeus) Roemer & Schultes									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
79%	17%	4%	0%	0%	0%	0%	0%	2%	17%	37%	21%	17%	6%	0%

<i>Fimbristylis brevivaginata</i> Kral									Collections	Status	Citations					
									GA		S2		Kral (1992)			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
0%	100%	0%	0%	0%	0%	0%	40%	0%	20%	0%	20%	0%	20%	0%		

<i>Fimbristylis caroliniana</i> (Lamarck) Fernald									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	0%	8%	24%	12%	24%	8%	16%	8%	0%

<i>Fimbristylis castanea</i> (Michaux) Vahl									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	0%	3%	20%	13%	23%	20%	7%	13%	0%

‡<i>Fimbristylis decipiens</i> Kral									Collections	Status	Citations			
									GA, GAS					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
50%	50%	0%	0%	0%	0%	0%	0%	0%	0%	50%	50%	0%	0%	0%

†‡<i>Fimbristylis dichotoma</i> (Linnaeus) Vahl									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
95%	3%	3%	0%	0%	0%	0%	0%	16%	21%	21%	16%	26%	0%	0%	

†‡<i>Fimbristylis miliacea</i> (Linnaeus) Vahl									Collections	Status	Citations				
<i>Fimbristylis littoralis</i> Gaudichaud									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
83%	17%	0%	0%	0%	2%	0%	0%	2%	7%	50%	15%	17%	4%	2%	

<i>Fimbristylis perpusilla</i> R. M. Harper ex Small & Britton									Collections	Status	Citations				
									GA, GAS, VSC S1						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	9%	55%	27%	9%	0%	0%	

<i>Fimbristylis puberula</i> (Michaux) Vahl									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
94%	0%	6%	0%	0%	0%	4%	25%	21%	31%	15%	0%	4%	0%	0%	

†<i>Fimbristylis schoenoides</i> (Retzius) Vahl									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	13%	13%	13%	38%	25%	0%	0%	

†<i>Fimbristylis tomentosa</i> (Lamarck) Link									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
91%	9%	0%	0%	0%	0%	0%	0%	0%	0%	64%	36%	0%	0%	0%	

‡<i>Fimbristylis vahlii</i> Vahl									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	6%	0%	17%	44%	0%	22%	11%	0%	

<i>Fuirena breviseta</i> (Coville) Coville									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	16%	15%	33%	16%	18%	1%	0%	

<i>Fuirena longa</i> Chapman									Collections	Status	Citations				
<i>Questionably vouchered</i>									FNA (1992)						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	

<i>Fuirena pumila</i> (Torrey) Sprengel									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
88%	12%	0%	0%	0%	0%	0%	0%	4%	28%	12%	28%	24%	4%	0%	

<i>Fuirena scirpoidea</i> Michaux									Collections GA, VSC	Status S1	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	17%	17%	17%	17%	17%	17%	0%	0%	0%	0%	

<i>Fuirena squarrosa</i> Michaux									Collections GA, GAS, VSC	Status	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
84%	16%	0%	0%	0%	0%	0%	0%	12%	12%	25%	23%	26%	3%	0%	

<i>Isolepis carinata</i> Hooker & Arnott ex Torrey									Collections GA, VSC	Status	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
31%	69%	0%	0%	0%	3%	43%	50%	3%	0%	0%	0%	0%	0%	0%	

<i>Isolepis pseudosetacea</i> (Daveau) Gandoger									Collections GA, VSC	Status	Citations Carter et al. (2009)				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
50%	50%	0%	0%	0%	0%	25%	75%	0%	0%	0%	0%	0%	0%	0%	

‡<i>Kyllinga brevifolia</i> Rottbøll <i>Cyperus brevifolia</i> (Rottbøll) Endlicher & Hasskarl									Collections GA, GAS, VSC	Status	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
95%	5%	0%	0%	5%	0%	5%	0%	5%	16%	16%	26%	21%	5%	0%	

†‡<i>Kyllinga gracillima</i> Miquel <i>Cyperus brevifolioides</i> Thieret & Delahoussaye									Collections GA, VSC	Status	Citations Webb (1981)				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
20%	0%	80%	0%	0%	0%	0%	0%	0%	0%	20%	60%	20%	0%	0%	

‡<i>Kyllinga odorata</i> Vahl <i>Cyperus sesquiflorus</i> (Torrey) Mattfeld & Kükenthal									Collections GA, GAS, VSC	Status	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
78%	22%	0%	0%	0%	0%	0%	5%	7%	32%	27%	25%	5%	0%	0%	

<i>Kyllinga pumila</i> Michaux <i>Cyperus hortensis</i> (Salzmann ex Steudel) Dorr									Collections GA, GAS, VSC	Status	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
38%	42%	20%	0%	0%	0%	0%	0%	2%	12%	14%	43%	24%	5%	0%	

†‡<i>Kyllinga squamulata</i> Thonning ex Vahl <i>Cyperus metzii</i> (Hochstetter ex Steudel) Mattfeld & Kükenthal									Collections GA, GAS, VSC	Status	Citations Carter (2008)				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
50%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	50%	0%	

‡ <i>Lipocarpa maculata</i> (Michaux) Torrey <i>Cyperus neotropicalis</i> Alain									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	3%	13%	19%	22%	41%	3%	0%	

‡ <i>Lipocarpa micrantha</i> (Vahl) G. C. Tucker <i>Cyperus subsquarrosus</i> (Muhlenberg) Bauters									Collections	Status	Citations				
									GA						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	

† <i>Lipocarpa microcephala</i> (R. Brown) Kunth <i>Cyperus leptocarpus</i> (F. Mueller) Bauters									Collections	Status	Citations				
									GA, VSC		Carter et al. (2009)				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	50%	0%	0%	0%	

† <i>Oxycaryum cubense</i> (Poeppig & Kunth) Lye <i>Cyperus blepharoleptos</i> Steudel									Collections	Status	Citations				
									VSC		Bryson et al. (1996)				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	33%	0%	33%	33%	0%	0%	0%	0%	

<i>Rhynchospora alba</i> (Linnaeus) Vahl									Collections	Status	Citations				
									GA		S1				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	

<i>Rhynchospora baldwinii</i> A. Gray									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	7%	0%	47%	7%	13%	27%	0%	0%	0%	

† <i>Rhynchospora brachychaeta</i> C. Wright									Collections	Status	Citations				
									VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	

<i>Rhynchospora caduca</i> Elliott									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
78%	15%	7%	0%	0%	0%	0%	10%	39%	35%	8%	2%	4%	2%	0%	

<i>Rhynchospora capitellata</i> (Michaux) Vahl									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
29%	31%	40%	0%	0%	0%	0%	5%	10%	30%	10%	30%	10%	5%	0%	

<i>Rhynchospora careyana</i> Fernald									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	3%	14%	29%	43%	11%	0%	0%	0%	

<i>Rhynchospora cephalantha</i> A. Gray									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	2%	24%	35%	24%	6%	9%	0%	0%	

<i>Rhynchospora chalarocephala</i> Fernald & Gale									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
82%	18%	0%	0%	0%	4%	0%	7%	18%	18%	29%	7%	14%	4%	0%	

<i>Rhynchospora chapmanii</i> M. A. Curtis									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	22%	33%	11%	33%	0%	0%	

<i>Rhynchospora ciliaris</i> (Michaux) C. Mohr									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	5%	15%	25%	10%	15%	30%	0%	0%	

<i>Rhynchospora colorata</i> (Linnaeus) H. Pfeiffer									Collections	Status	Citations				
									GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	28%	40%	8%	20%	4%	0%	0%	0%	0%	

<i>Rhynchospora compressa</i> J. Carey ex Chapman									Collections	Status	Citations				
									VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	44%	56%	0%	0%	0%	0%	0%	0%	

<i>Rhynchospora corniculata</i> (Lamarck) A. Gray									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
94%	4%	1%	0%	0%	0%	0%	0%	13%	34%	24%	13%	15%	1%	0%	

<i>Rhynchospora crinipes</i> Gale									Collections	Status	Citations				
									GA, VSC	S1					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	33%	67%	0%	0%	0%	0%	

<i>Rhynchospora debilis</i> Gale									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
95%	3%	3%	0%	0%	0%	0%	0%	26%	21%	16%	21%	16%	0%	0%	

<i>Rhynchospora decurrens</i> Chapman									Collections	Status	Citations			
									GA, GAS, VSC	S2				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	0%	0%	56%	11%	33%	0%	0%	0%	0%

<i>Rhynchospora divergens</i> Chapman ex M. A. Curtis									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	0%	0%	50%	0%	50%	0%	0%	0%	0%

<i>Rhynchospora elliottii</i> A. Dietrich									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
97%	3%	0%	0%	0%	0%	0%	11%	51%	22%	8%	5%	0%	3%	0%

<i>Rhynchospora fascicularis</i> (Michaux) Vahl									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	2%	7%	17%	25%	21%	14%	13%	1%	0%

<i>Rhynchospora fernaldii</i> Gale									Collections	Status	Citations			
									GA, VSC	S2				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	0%	0%	0%	20%	20%	40%	20%	0%	0%

<i>Rhynchospora filifolia</i> A. Gray									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
94%	3%	3%	0%	0%	0%	0%	2%	18%	31%	33%	8%	8%	0%	0%

<i>Rhynchospora globularis</i> (Chapman) Small var. <i>globularis</i> <i>Rhynchospora globularis</i>									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
83%	17%	0%	0%	0%	0%	6%	21%	33%	15%	13%	8%	4%	0%	0%

<i>Rhynchospora globularis</i> var. <i>saxicola</i> (Small) Kükenthal <i>Rhynchospora saxicola</i> Small									Collections	Status	Citations			
									GA					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
12%	88%	0%	0%	0%	0%	0%	24%	47%	12%	12%	6%	0%	0%	0%

<i>Rhynchospora glomerata</i> (Linnaeus) Vahl									Collections	Status	Citations			
									GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
62%	38%	0%	0%	0%	0%	0%	0%	8%	48%	24%	12%	8%	0%	0%

<i>Rhynchospora gracilentia</i> A. Gray									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	0%	0%	21%	42%	21%	16%	0%	0%	0%

<i>Rhynchospora grayi</i> Kunth									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	3%	35%	26%	19%	13%	3%	0%	0%	0%	

<i>Rhynchospora harperi</i> Small									Collections	Status	Citations				
									GA, VSC		S1S2				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	60%	0%	0%	20%	20%	0%	

<i>Rhynchospora harveyi</i> W. Boott									Collections	Status	Citations				
<i>Rhynchospora culixa</i> Gale									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
87%	13%	0%	0%	0%	0%	0%	20%	20%	20%	20%	0%	13%	7%	0%	

<i>Rhynchospora inexpansa</i> (Michaux) Vahl									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
94%	3%	3%	0%	0%	0%	0%	3%	26%	36%	20%	7%	8%	0%	0%	

<i>Rhynchospora inundata</i> (Oakes) Fernald									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	19%	19%	50%	13%	0%	0%	0%	0%	

<i>Rhynchospora latifolia</i> (Baldwin) W. W. Thomas									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	5%	33%	26%	10%	21%	0%	5%	0%	0%	

*<i>Rhynchospora leptocarpa</i> (Chapman ex Britton) Small									Collections	Status	Citations				
									VSC		Carter et al. (2009)				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	

<i>Rhynchospora macra</i> (C. B. Clarke ex Britton) Small									Collections	Status	Citations				
									GA		S1				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	

<i>Rhynchospora macrostachya</i> Torrey ex A. Gray									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
81%	19%	0%	0%	0%	0%	0%	3%	3%	30%	30%	17%	17%	0%	0%	

<i>Rhynchospora megalocarpa</i> A. Gray									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	25%	20%	20%	15%	15%	0%	5%	

<i>Rhynchospora microcarpa</i> Baldwin ex A. Gray									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
97%	3%	0%	0%	0%	0%	0%	10%	37%	13%	23%	17%	0%	0%	0%	

<i>Rhynchospora microcephala</i> (Britton) Britton ex Small									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
91%	5%	5%	0%	0%	0%	0%	0%	14%	23%	9%	27%	23%	5%	0%	

<i>Rhynchospora miliacea</i> (Lamarck) A. Gray									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	5%	14%	14%	23%	27%	18%	0%	0%	0%	

<i>Rhynchospora mixta</i> Britton									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	33%	11%	33%	11%	0%	11%	0%	0%	

<i>Rhynchospora nitens</i> (Vahl) A. Gray									Collections	Status	Citations				
									GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	14%	36%	0%	0%	

<i>Rhynchospora odorata</i> C. Wright ex Grisebach									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
50%	50%	0%	0%	0%	0%	0%	25%	25%	25%	25%	0%	0%	0%	0%	

<i>Rhynchospora oligantha</i> A. Gray									Collections	Status	Citations						
									GA		S1						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
100%	0%	0%	0%	0%	0%	0%	33%	0%	0%	33%	33%	0%	0%	0%			

<i>Rhynchospora perplexa</i> Britton									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
96%	2%	2%	0%	0%	0%	0%	24%	36%	4%	32%	0%	4%	0%	0%	

<i>Rhynchospora pleiantha</i> (Kükenthal) Gale									Collections	Status	Citations				
<i>Questionably vouchered</i>															
									SH		FNA (1992)				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	

<i>Rhynchospora plumosa</i> Elliott									Collections	Status	Citations				
									GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	5%	21%	26%	16%	5%	11%	16%	0%	0%	

<i>Rhynchospora punctata</i> Elliott									Collections VSC	Status S1	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	

<i>Rhynchospora pusilla</i> Chapman ex M. A. Curtis									Collections GA, GAS, VSC	Status	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
96%	4%	0%	0%	0%	0%	0%	0%	30%	30%	26%	4%	9%	0%	0%	

<i>Rhynchospora rariflora</i> (Michaux) Elliott									Collections GA, GAS, VSC	Status	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
90%	10%	0%	0%	0%	0%	9%	40%	36%	7%	7%	2%	0%	0%	0%	

<i>Rhynchospora recognita</i> (Gale) Kral									Collections GA, VSC	Status	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
44%	51%	5%	0%	0%	0%	0%	22%	32%	17%	17%	10%	2%	0%	0%	

<i>Rhynchospora scirpoides</i> (Torrey) Grisebach									Collections GA, GAS, VSC	Status S2	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	21%	50%	7%	21%	0%	0%	

<i>Rhynchospora solitaria</i> R. M. Harper									Collections GA	Status S1	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	50%	0%	0%	0%	

<i>Rhynchospora stenophylla</i> Chapman									Collections GA	Status S2	Citations Carter et al. (2009)				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	17%	17%	17%	50%	0%	0%	0%	

*<i>Rhynchospora sulcata</i> Gale									Collections GA, VSC	Status	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	25%	25%	0%	0%	

<i>Rhynchospora thornei</i> Kral									Collections GA, VSC	Status S2	Citations Kral (1977)				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	0%	100%	0%	0%	0%	0%	0%	20%	60%	20%	0%	0%	0%	0%	

<i>Rhynchospora torreyana</i> A. Gray									Collections GA, GAS, VSC	Status S1	Citations				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	3%	37%	17%	23%	10%	10%	0%	0%	

<i>Rhynchospora tracyi</i> Britton									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	14%	43%	36%	7%	0%	0%	0%	

<i>Rhynchospora wrightiana</i> Boeckeler									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	11%	0%	28%	17%	22%	22%	0%	0%	

<i>Schoenoplectus acutus</i> (Muhlenberg ex Bigelow) Á. & D. Löve									Collections	Status	Citations				
									GA						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	

<i>Schoenoplectus americanus</i> (Persoon) Volkart ex Schinz & R. Keller									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	22%	22%	33%	0%	11%	11%	0%	0%	

‡<i>Schoenoplectus californicus</i> (C. A. Meyer) Soják									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	9%	18%	9%	0%	9%	0%	36%	18%	0%	0%	

<i>Schoenoplectus erectus</i> ssp. <i>raynalii</i> (Schuyler) K. Lye									Collections	Status	Citations				
<i>Schoenoplectiella erectus</i> ssp. <i>raynalii</i> Beentje									GA, VSC S1						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	50%	17%	0%	0%	

<i>Schoenoplectus etuberculatus</i> (Steudel) Soják									Collections	Status	Citations				
									VSC S2 Carter et al. (2009)						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	67%	0%	0%	33%	0%	0%	0%	0%	

<i>Schoenoplectus hallii</i> (A. Gray) S. G. Smith									Collections	Status	Citations				
<i>Schoenoplectiella hallii</i> (A. Gray) K. Lye									GA						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	0%	0%	0%	33%	33%	33%	0%	0%	0%	

<i>Schoenoplectus pungens</i> (Vahl) Palla									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
100%	0%	0%	0%	0%	0%	6%	18%	41%	24%	0%	0%	0%	12%	0%	

<i>Schoenoplectus purshianus</i> (Fernald) M. T. Strong									Collections	Status	Citations				
<i>Schoenoplectiella purshianus</i> (Fernald) K. Lye									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	100%	0%	7%	0%	0%	0%	7%	10%	14%	31%	24%	7%	0%	0%	

<i>Schoenoplectus tabernaemontani</i> (C. C. Gmelin) Palla									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
68%	32%	0%	0%	0%	4%	11%	18%	39%	11%	4%	4%	11%	0%	0%	

<i>Scirpus atrovirens</i> Willdenow									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	68%	32%	0%	0%	0%	0%	18%	45%	36%	0%	0%	0%	0%	0%	

<i>Scirpus cyperinus</i> (Linnaeus) Kunth									Collections	Status	Citations				
									GA, GAS, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
60%	35%	5%	1%	1%	1%	0%	1%	13%	29%	25%	17%	13%	0%	0%	

‡<i>Scirpus divaricatus</i> Elliott									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
89%	0%	11%	0%	0%	0%	0%	33%	39%	17%	11%	0%	0%	0%	0%	

<i>Scirpus expansus</i> Fernald									Collections	Status	Citations					
									GA, VSC		S2					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
0%	46%	54%	0%	0%	0%	0%	25%	33%	42%	0%	0%	0%	0%	0%		

‡<i>Scirpus georgianus</i> R. M. Harper									Collections	Status	Citations				
									GA, VSC						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
6%	81%	13%	0%	0%	0%	4%	33%	25%	21%	0%	17%	0%	0%	0%	

<i>Scirpus lineatus</i> Michaux									Collections	Status	Citations					
									GA, VSC		S2S3		Carter et al. (2009)			
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
100%	0%	0%	0%	0%	0%	75%	13%	0%	13%	0%	0%	0%	0%	0%		

<i>Scirpus pendulus</i> Muhlenberg									Collections	Status	Citations					
									GA, GAS, VSC		S1					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
33%	0%	67%	0%	0%	0%	0%	50%	17%	33%	0%	0%	0%	0%	0%		

<i>Scirpus polyphyllus</i> Vahl									Collections	Status	Citations				
									GA, GAS						
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	59%	41%	2%	0%	0%	0%	0%	20%	33%	26%	11%	7%	2%	0%	

<i>Scleria baldwinii</i> (Torrey) Steudel									Collections	Status	Citations					
									GA, GAS, VSC							
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
100%	0%	0%	0%	0%	0%	0%	7%	50%	43%	0%	0%	0%	0%	0%		

<i>Scleria ciliata</i> Michaux									Collections	Status	Citations					
									GA, GAS, VSC							
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
85%	15%	0%	0%	0%	0%	6%	18%	56%	6%	9%	0%	3%	3%	0%		

<i>Scleria curtissii</i> Britton									Collections	Status	Citations					
									[DUKE]							
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
100%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%		

<i>Scleria distans</i> Poiret									Collections	Status	Citations					
									GA, VSC							
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
100%	0%	0%	0%	0%	0%	0%	9%	27%	36%	18%	9%	0%	0%	0%		

<i>Scleria georgiana</i> Core									Collections	Status	Citations					
									GA, GAS, VSC							
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
100%	0%	0%	0%	0%	0%	0%	19%	24%	33%	19%	5%	0%	0%	0%		

<i>Scleria minor</i> (Britton) W. Stone									Collections	Status	Citations				
<i>Questionably vouchered</i>											FNA (1992)				
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	

<i>Scleria muehlenbergii</i> Steudel									Collections	Status	Citations					
									GA, GAS, VSC							
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
96%	4%	0%	0%	0%	0%	0%	0%	0%	0%	24%	32%	44%	0%	0%		

<i>Scleria oligantha</i> Michaux									Collections	Status	Citations					
									GA, GAS, VSC							
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
41%	46%	13%	0%	0%	4%	12%	37%	27%	14%	4%	2%	0%	0%	0%		

<i>Scleria pauciflora</i> Muhlenberg ex Willdenow									Collections	Status	Citations					
									GA, GAS, VSC							
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
60%	40%	0%	0%	0%	0%	6%	29%	45%	10%	6%	0%	3%	0%	0%		

<i>Scleria reticularis</i> Michaux									Collections	Status	Citations					
									GA, GAS							
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
92%	8%	0%	0%	0%	0%	0%	5%	0%	0%	16%	53%	26%	0%	0%		

<i>Scleria triglomerata</i> Michaux									Collections	Status	Citations			
									GA, GAS, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
79%	12%	9%	0%	0%	0%	13%	20%	30%	16%	6%	6%	4%	3%	0%

<i>Scleria verticillata</i> Muhlenberg ex Willdenow									Collections	Status	Citations			
									GA, VSC					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	33%	33%	0%	0%

<i>Trichophorum cespitosum</i> (Linnaeus) Schur									Collections	Status	Citations					
									GA		S1					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
0%	50%	50%	0%	0%	0%	0%	50%	0%	50%	0%	0%	0%	0%	0%		

<i>Websteria confervoides</i> (Poiret) S. Hooper									Collections	Status	Citations					
<i>Eleocharis confervoides</i> (Poiret) G. Tucker									GA		S1					
CP	PD	AP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%		

APPENDIX B:
Exsiccatae for Checklist

Bolboschoenus robustus

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 8 Jul 1996, *R. Carter 13132* (VSC); 18 Aug 2006, *R. Carter 17155* (VSC); 15 Oct 2007, *R. Carter 18224* (VSC-2). **Glynn Co.:** 20 Jul 1969, *R. Norris 1234* (VSC).

Bulbostylis barbata

NORTH AMERICA. UNITED STATES GEORGIA. Atkinson Co.: 3 Aug 1969, *R. Norris 1298* (VSC), 20 Jul 2017, *P. Lowe 2* (VSC). **Baker Co.:** 30 Aug 1941, *W. Duncan 4075* (GA); 13 Nov 1992, *K. Kirkman 2771* (GA); 22 Aug 1995, *L. Anderson 15803* (GA). **Bulloch Co.:** 23 Oct 1964, *P. Hooper 76* (GAS); 26 Jul 1965, *C. Roach s.n.* (GAS); *Fordham s.n.* (GAS); *Unknown 273* (GAS); 6 Nov 1968, *W. Jenkins s.n.* (GAS). **Camden Co.:** 25 Aug 1990, *G. Krakow 939* (GA); 30 Sep 2006, *W. Zomlefer 1317* (GA). **Chatham Co.:** 9 Aug 1958, *W. Duncan 21488* (GAS); 16 Aug 1959, *M. Mellinger 1245* (GAS); 15 Jul 1960, *G. Swank 1492* (GAS). **Chatham Co.:** 8 Aug 1958, *W. Duncan 21480* (GA-2); 9 Aug 1958, *W. Duncan 21488* (GA); 30 Jun 1979, *T. Tatum s.n.* (GA); 14 Jul 2006, *R. Carter 16966* (VSC); 28 Jul 2012, *W. Zomlefer 2817* (GA). **Clinch Co.:** 2 Aug 1969, *R. Norris 1277* (VSC). **Coffee Co.:** 18 Aug 1969, *R. Norris 1333* (VSC); 29 Aug 1969, *R. Norris 1351* (VSC). **Colquitt Co.:** 10 Aug 1965, *W. Faircloth 2696* (GA, VSC). **Columbia Co.:** 11 Oct 1936, *J. Pyron 1048* (GA); 6 Sep 1979, *J. Allison 938* (GA). **Cook Co.:** 2 Jul 1965, *W. Faircloth 2015* (VSC). **Decatur Co.:** 21 Jul 1947, *R. Thorne 5544* (GA); 25 Jul 2005, *S. Culpepper s.n.* (VSC). **Dougherty Co.:** 14 Aug 1947, *R. Thorne 6086* (GA). **Echols Co.:** 31 Aug 1967, *W. Faircloth 4784* (VSC); 12 Oct 2002, *R. Kral 93455* (VSC). **Effingham Co.:** 8 Sep 2014, *W. Zomlefer 3779* (GA). **Emanuel Co.:** 29 Aug 1929, *H. McKay s.n.* (GA). **Glascok Co.:** 22 Jul 2017, *P. Lowe 49* (VSC). **Grady Co.:** 7 Jul 1948, *A. Cronquist 5447* (GA); 7 Sep 1964, *W. Faircloth 1555* (GA, VSC); 22 Sep 1992, *L. Anderson 14009* (GA); 26 Sep 2000, *R. Kral 90401* (GA). **Greene Co.:** 19 Oct 1994, *C. Bryson 14644* (VSC). **Houston Co.:** 1 Oct 1991, *D. Guynn 106* (GA). **Irwin Co.:** 22 Aug 1968, *W. Faircloth 5447* (GA, VSC). **Lanier Co.:** 8 Jul 1937, *A. McKellar s.n.* (GA); 29 Aug 1967, *W. Faircloth 4748-A* (VSC); 14 Jul 1988, *R. Carter 7031a* (VSC). **Laurens Co.:** 10 Oct 1991, *R. Kral 79901* (VSC). **Liberty Co.:** 2 Jul 1992, *R. Carter 10051* (GA, VSC). **Long Co.:** 6 Oct 1962, *J. Bozeman 1732* (GAS). **Lowndes Co.:** 10 Sep 1969, *W. Faircloth 6120* (GA, VSC); 20 Oct 1999, *G. Bennett 64* (VSC). **Macon Co.:** 5 Sep 2011, *M. Medley s.n.* (VSC); 17 Sep 2013, *W. Zomlefer 3316* (GA). **Marion Co.:** 13 Aug 1987, *R. Norris 5419* (GA). **McDuffie Co.:** 29 Jul 1950, *W. Duncan 11555* (GA). **McIntosh Co.:** 16 Sep 1956, *W. Duncan 20517* (GAS). **McIntosh Co.:** 15 Aug 1956, *W. Duncan 20484* (GA, VSC); 7 Jul 1962, *J. Bozeman 783* (GA). **Montgomery Co.:** 10 Aug 2017, *P. Lowe 57* (VSC). **Muscogee Co.:** 4 Jul 1980, *J. Stutts 493* (GA); 31 Aug 1980, *J. Manhart 128* (GA, VSC). **Randolph Co.:** 20 Aug 1948, *R. Thorne 8225* (GA). **Rockdale Co.:** 20 Aug 2012, *J. Allison 14239* (GA); 10 Sep 2012, *J. Allison 14266* (GA). **Sumter Co.:** 7 Sep 1997, *R. Norris 5903* (GA). **Taylor Co.:** 2 Aug 2004, *T. Murphy s.n.* (VSC). **Thomas Co.:** 5 Oct 1987, *L. Anderson 10996* (GA); 28 Sep 1991, *R. Carter 9329* (VSC). **Tift Co.:** 1 Jul 1926, *F. Van Haltern s.n.* (GA); 2 Aug 2001, *C. Bryson 19006* (VSC); 7 Aug 2002, *C. Rausch 208* (VSC); 11 Sep 2009, *B. Sanderson 501* (VSC). **Treutlen Co.:** 28 Jul 1937, *A. McKellar s.n.* (GA). **unknown Co.:** 19 Aug 2002, *T. Murphy s.n.* (VSC). **Ware Co.:** 4 Aug 2004, *M. Czarnota s.n.* (VSC). **Warren Co.:** 14 Oct 1950, *R. Godfrey 50787* (GA). **Wheeler Co.:** 19 Sep 1987, *R. Carter 6394* (GA, VSC). **Worth Co.:** 17 Aug 1966, *W. Faircloth 3830* (GA, VSC).

Bulbostylis capillaris

NORTH AMERICA. UNITED STATES GEORGIA. Brantley Co.: 4 Sep 1985, *R. Carter 4510* (VSC). **Chatham Co.:** 5 Aug 1958, *W. Duncan 21390* (GAS-2); 21 Apr 1959, *M. Mellinger 809* (GAS); 1 Oct 1960, *E. Mellinger 1773* (GAS). **Chatham Co.:** 5 Aug 1958, *W. Duncan 21390* (GA); 24 Aug 2012, *W. Zomlefer 2839* (GA). **Cherokee Co.:** 31 Jul 1948, *W. Duncan 8586* (GA). **Coffee Co.:** 12 Oct 2007, *R. Carter 18170* (VSC). **Colquitt Co.:** 26 Jun 1988, *R. Carter 6808* (VSC). **Cook Co.:** 2 Jul 1965, *W. Faircloth 2015-A* (VSC); *W. Faircloth 2017* (GA, VSC). **DeKalb Co.:** 1 Sep 1947, *McDowell 475* (GA-2); 1 Aug 1989, *R. Carter 8008* (GA, VSC); 3 Oct 1995, *M. Moore 2431* (GA). **Early Co.:** 2 Oct 2000, *R. Kral 90487A* (VSC). **Elbert Co.:** 26 Jul 1950, *W. Duncan 11519* (GA); 5 Jun 1979, *W. Credle 827* (GA). **Fayette Co.:** 6 Nov 1979, *J. Allison 1061* (GA). **Forsyth Co.:** 18 Aug 1955, *W. Duncan 19511* (GA). **Grady Co.:** 24 Oct 2001, *R. Kral 92068A* (VSC). **Greene Co.:** 25 Sep 1937, *J. Pyron 1852* (GA). **Hall Co.:** 28 Jul 1955, *W. Adams 19194* (GAS). **Hall Co.:** 17 Jun 1955, *W. Duncan 18904* (GA); 1 Jul 1955, *W. Duncan 19019* (GA-2). **Houston Co.:** 25 Aug 1994, *R. Kral 84134* (GA, VSC). **Jackson Co.:** 15 Oct 1936, *J. Pyron 1087* (GA); 17 Aug 1947, *A. Cronquist 4572* (GA). **Jeff Davis Co.:** 25 Jun 2000, *H. Holland 589* (GA). **Laurens Co.:** 10 Oct 1991, *R. Kral 79899* (GA, VSC). **Lee Co.:** 19 Sep 1940, *W. Duncan 3077* (GA). **Liberty Co.:** 2 Jul 1992, *R. Carter 10049* (GA, VSC); 15 Jul 1992, *R. Carter 10151* (VSC). **Lowndes Co.:** 10 Sep 1969, *W. Faircloth 6126* (VSC); 16 Jul 1994, *C. Wilson 284* (VSC). **Lumpkin Co.:** 20 Aug 1985, *N. Coile 4485* (GA); 7 Aug 2001, *L. Kruse 01-581* (GA); 14 Sep 2001, *L. Kruse 01-824* (GA). **Meriwether Co.:** 30 Jul 1953, *W. Duncan 16804* (GA). **Montgomery Co.:** 10 Aug 2017, *P. Lowe 69* (VSC). **Murray Co.:** 22 Jul 1973, *R. Kral 50902* (VSC). **Muscogee Co.:** 9 Sep 1990, *S. Orzell 15169* (GA). **Newton Co.:** 3 Nov 1979, *J. Allison 1036* (GA). **Oglethorpe Co.:** 14 Sep 1947, *A. Cronquist 4721* (GAS). **Oglethorpe Co.:** 4 Aug 1941, *W. Duncan 3807* (GA). **Putnam Co.:** 19 Aug 1940, *R. McVaugh 5163* (GA); 30 Sep 1947, *A. Cronquist 4761* (VSC). **Rabun Co.:** 16 Jul 1949, *W. Duncan 9947* (GA); 24 Sep 1949, *W. Duncan 10466* (GA). **Rockdale Co.:** 21 Jun 1936, *J. Pyron 553* (GA). **Stephens Co.:** 27 Oct 1979, *J. Allison 996* (GA). **Sumter Co.:** 26 May 1991, *R. Norris 6306* (GA, VSC). **White Co.:** 18 Jul 1990, *J. Allison 4631* (GA). **Worth Co.:** 9 Sep 1973, *R. Kral 51561* (VSC).

Bulbostylis ciliatifolia

NORTH AMERICA. UNITED STATES GEORGIA. Atkinson Co.: 20 Jul 2017, *P. Lowe 3* (VSC). **Bacon Co.:** 18 Aug 1988, *R. Carter 7365* (GA). **Baker Co.:** 28 Jun 1947, *R. Thorne 5025* (GA). **Brantley Co.:** 4 Sep 1985, *R. Carter 4510* (GA). **Bryan Co.:** 16 Sep 2014, *W. Zomlefer 3860* (GA). **Bulloch Co.:** 23 Jun 1965, *C. Roach s.n.* (GAS); *J. Nutting 91* (GAS); *W. Tanner 65* (GAS). **Calhoun Co.:** 18 Jul 1947, *R. Thorne 5468* (GA). **Camden Co.:** 8 Sep

1969, *R. Norris 1423* (VSC); 11 Sep 2004, *D. Giannasi 1109* (GA); 27 Jun 2006, *W. Zomlefer 1055* (GA); 27 Sep 2006, *W. Zomlefer 1271* (GA); 28 Sep 2006, *W. Zomlefer 1296* (GA). **Candler Co.:** 8 Apr 2017, *B. Varnerin 13* (GAS). **Chatham Co.:** 14 Jun 1958, *W. Duncan 20995* (GAS); 9 Aug 1958, *W. Duncan 21499* (GAS); 30 Nov 1959, *M. Mellinger 2144* (GAS); *M. Mellinger 2164* (GAS); 5 Nov 1960, *M. Mellinger 2165* (GAS). **Chatham Co.:** 14 Jun 1958, *W. Duncan 20995* (GA); 9 Aug 1958, *W. Duncan 21499* (GA). **Coffee Co.:** 18 Aug 1969, *R. Norris 1326* (VSC); 20 Aug 1969, *R. Norris 1347* (VSC); 29 Jul 1994, *R. Kral 83941* (GA); 30 Jul 2007, *J. Clay 32* (VSC). **Crawford Co.:** 8 Sep 1990, *S. Orzell 14960* (GA). **Crisp Co.:** 4 Aug 1990, *R. Norris 6133* (GA); 23 Jun 1993, *R. Kral 82653* (GA). **Decatur Co.:** 31 Aug 1955, *R. Thorne 16738* (GA). **Dougherty Co.:** 29 Jun 1937, *A. McKellar 11* (GA); 3 Jun 1947, *R. Thorne 4446* (GA). **Early Co.:** 16 Sep 2000, *R. Kral 90346* (GA); 3 Oct 2000, *R. Kral 90487B* (GA). **Echols Co.:** 21 Jul 1969, *W. Faircloth 5870* (GA). **Emanuel Co.:** 10 Aug 1980, *J. Manhart 72* (GA); 17 Oct 1995, *R. Crook 393* (GA). **Glascock Co.:** 22 Jul 2017, *P. Lowe 44* (VSC). **Grady Co.:** 26 Sep 2000, *R. Kral 90402* (GA). **Irwin Co.:** 22 Aug 1968, *W. Faircloth 5442* (GA). **Lanier Co.:** 28 Aug 1994, *J. Lusk 257* (VSC). **Liberty Co.:** 17 Sep 1984, *S. Jones 24485* (GA, VSC); *S. Jones 24495* (GA); 25 Aug 1992, *R. Carter 10409* (GA); 10 Mar 1999, *Anonymous s.n.* (GA); 3 Oct 1999, *J. Moore 265* (GA); *S. Bergamo 265* (GA). **Long Co.:** 6 Oct 1962, *J. Bozeman 1720* (GAS); *J. Bozeman 1813* (GAS). **Long Co.:** 22 Aug 1947, *R. Thorne 6213* (GA); 6 Oct 1962, *J. Bozeman 1724* (GA); 14 Nov 1999, *H. Holland 347* (GA). **Lowndes Co.:** 16 Jul 1965, *W. Faircloth 2323* (GA); 10 Jun 1967, *R. Norris 857* (VSC); 28 Jun 1967, *R. Norris 889* (VSC); 10 Sep 1969, *W. Faircloth 6126* (GA). **Marion Co.:** 30 Jul 1953, *W. Duncan 16762* (GA); 13 Aug 1987, *R. Norris 5416* (GA). **McIntosh Co.:** 7 Jul 1962, *J. Bozeman 787* (GAS); 7 Oct 1962, *J. Bozeman 2197* (GAS). **McIntosh Co.:** (GA). **Muscogee Co.:** 31 Aug 1980, *J. Stutts 128A* (VSC). **Pierce Co.:** 31 Aug 1948, *R. Thorne 8803* (GA). **Richmond Co.:** 17 Oct 1937, *J. Pyron 1896* (GA); 23 Jul 1991, *M. Moore 1236* (GA, VSC). **Tattnall Co.:** 21 Aug 1940, *W. Duncan 2736* (GA). **Tift Co.:** 10 Sep 1947, *R. Thorne 6599* (GA); 7 Oct 1992, *R. Kral 81851* (GA). **Unknown Co.:** 1 Oct 1960, *M. Mellinger 1822* (GAS). **Wayne Co.:** 4 Sep 1985, *R. Carter 4500* (GA).

Bulbostylis stenophylla

NORTH AMERICA. UNITED STATES GEORGIA. **Brantley Co.:** 15 Sep 1964, *R. Kral 22801* (VSC); 4 Sep 1985, *R. Carter 4509* (GA, VSC); 17 Sep 1986, *D. Humphrey s.n.* (VSC); 21 Sep 1991, *R. Carter 9190* (GA, VSC). **Brooks Co.:** 8 Jul 1966, *W. Faircloth 3336* (GA, VSC). **Camden Co.:** 12 Aug 1963, *R. Kral 18624B* (VSC); 8 Sep 1969, *R. Norris 1409* (VSC); 3 Nov 1972, *J. Worthington 88* (GA); 15 Sep 1995, *R. Carter 12751* (VSC); 15 Jul 1999, *L. Anderson 18867* (GA). **Charlton Co.:** 16 Jul 2011, *M. Medley s.n.* (VSC). **Chatham Co.:** 9 Aug 1958, *W. Duncan 21487* (GAS). **Chatham Co.:** (GA). **Echols Co.:** 17 Jul 1965, *W. Faircloth 2349* (GA, VSC); 13 Sep 1973, *R. Kral 51637* (VSC). **Glynn Co.:** 12 Aug 2009, *R. Carter 19359* (VSC). **Grady Co.:** 26 Sep 2000, *R. Kral 90389* (GA, VSC); 24 Oct 2001, *R. Kral 92069* (VSC). **Lanier Co.:** 17 Aug 1991, *S. Orzell 17632* (GA). **Liberty Co.:** 17 Sep 1984, *S. Jones 24529* (GA); 18 Oct 1987, *S. Jones 24847* (GA-2); 20 Aug 1992, *R. Carter 10396* (GA, VSC). **Long Co.:** 24 Jun 1992, *Unknown 1586* (GAS). **Long Co.:** *M. Moore 1586* (GA, VSC). **Lowndes Co.:** 16 Jul 1994, *C. Wilson 286* (VSC). **McIntosh Co.:** 15 Aug 1956, *W. Duncan 20476* (GA-2); 14 Aug 1963, *R. Kral 18669* (VSC); 15 Aug 1963, *R. Kral 17722* (VSC). **Screven Co.:** 31 Aug 1964, *R. Kral 22365* (VSC). **Tattnall Co.:** 25 Jul 1998, *J. Horn 1233* (GA). **Unknown Co.:** 1 Oct 1960, *E. Mellinger 1829* (GAS). **Wayne Co.:** 4 Sep 1985, *R. Carter 4499* (GA, VSC).

Bulbostylis warei

NORTH AMERICA. UNITED STATES GEORGIA. **Appling Co.:** 19 Aug 1967, *S. Jones 15104* (GA). **Ben Hill Co.:** 28 Jul 1967, *R. Kral 28751* (VSC); 9 Aug 1987, *R. Carter 6071* (VSC). **Bryan Co.:** 22 Jun 1967, *J. Bozeman 10455* (GAS). **Bryan Co.:** (VSC). **Bulloch Co.:** 18 Aug 1961, *G. Dewolf 1654* (GAS-5-2, GAS). **Bulloch Co.:** 31 Aug 1964, *R. Kral 22378* (VSC). **Candler Co.:** 2 Aug 1965, *C. Roach s.n.* (GAS); *J. Nutting 294* (GAS); *M. Fordham s.n.* (GAS); *W. Tanner 275* (GAS). **Candler Co.:** 7 Sep 1982, *N. Coile 3252* (GA); 24 Aug 1995, *R. Crook 377* (GA). **Chatham Co.:** 13 Jul 1958, *W. Duncan 21282* (GAS). **Chatham Co.:** (GA). **Emanuel Co.:** 5 Aug 1979, *R. Kral 64196* (VSC); 17 Oct 1995, *R. Crook 392* (GA). **Jeff Davis Co.:** 25 Jun 2000, *H. Holland 587* (GA). **Long Co.:** 6 Oct 1962, *J. Bozeman 2082* (GAS); 26 Aug 1992, *Unknown 1690* (GAS). **Long Co.:** 23 Aug 1941, *W. Duncan 3925* (GA); 22 Aug 1947, *R. Thorne 6205* (GA); 13 Jul 1962, *J. Bozeman 1225* (GA); 8 Aug 1988, *R. Carter 7250* (GA, VSC); 26 Aug 1992, *M. Moore 1690* (GA, VSC); 12 Sep 1999, *H. Holland 216* (GA). **McIntosh Co.:** 7 Jul 1962, *J. Bozeman 832* (GAS); 13 Jul 1962, *J. Bozeman 1068* (GAS); 7 Oct 1962, *J. Bozeman 2339* (GAS). **McIntosh Co.:** 7 Jul 1962, *J. Bozeman 831* (GA). **Pulaski Co.:** 31 Jul 1953, *W. Duncan 16875* (GA); 10 Aug 1975, *R. Kral 56352* (GA, VSC). **Tattnall Co.:** 2 Aug 1948, *A. Cronquist 5587* (GA); 21 Aug 1953, *W. Duncan 2737* (GA-2); 30 Aug 1964, *R. Kral 22308* (VSC); 9 Aug 1975, *R. Kral 56287* (VSC); 20 Aug 1992, *R. Crook 268a* (GA); 14 Sep 1993, *K. Tassin s.n.* (GA); 14 Jul 1994, *R. Kral 83780* (GA). **Telfair Co.:** 9 Aug 1975, *R. Kral 56275* (VSC). **Toombs Co.:** 24 Oct 1952, *W. Duncan 14616* (GA-2). **Wayne Co.:** 15 Sep 1964, *R. Kral 22814* (VSC). **Wheeler Co.:** 12 Jun 1938, *J. Pyron 3152* (GA); 1 Aug 1953, *W. Duncan 16965* (GA); 30 Aug 1964, *R. Kral 22335* (VSC); 1 Aug 2001, *T. Govus 1246* (GA); 9 Jul 2010, *R. Carter 19864* (VSC).

Carex abscondita

NORTH AMERICA. UNITED STATES GEORGIA. **Baker Co.:** 6 May 1992, *K. Kirkman 2088* (GA); 25 Mar 1994, *K. Kirkman 3245* (GA); 28 Jul 1995, *L. Anderson 15766* (GA). **Ben Hill Co.:** 23 Apr 1988, *R. Carter 6515* (VSC). **Bibb Co.:** 24 Jul 2002, *J. Nelson 23051* (GA). **Bleckley Co.:** 31 Jul 2009, *P. Lynch 556* (GA). **Dawson Co.:** 10 Jun 2001, *L. Kruse 01-232* (GA); 26 Aug 2001, *L. Kruse 01-679* (GA); 7 May 2002, *L. Kruse 02-114* (GA). **Early Co.:** 27 Mar 1949, *R. Thorne 9265* (GA); 31 Mar 1989, *N. Coile 4949* (GA). **Effingham Co.:** 2 May 1991, *R. Naczi 2832* (GA). **Elbert Co.:** 13 May 1980, *W. Credle 2829* (GA); 27 May 2002, *P. Hyatt 11032* (GA). **Grady Co.:** 7 Aug 1987, *R. Carter 6008* (VSC). **Greene Co.:** 18 Apr 1992, *J. Seward 1029* (GA). **Hall Co.:** 15 Jun 1955, *W. Duncan 18816* (GA). **Harris Co.:** 8 Apr 1949, *S. Smith 4959* (GA). **Houston Co.:** 23 Apr 2006, *L. Echols 511* (GA, VSC); 6 Jun 2009, *P. Lynch 363* (GA). **Jasper Co.:** 6 Apr 1949, *W. Duncan 9168* (GA). **Lee Co.:** 19 Apr 1981, *J. Manhart 199* (GA-2). **Lowndes Co.:**

23 May 1993, *R. Kral 82467* (VSC). **Lumpkin Co.:** 9 Jun 2001, *L. Kruse 01-204* (GA, VSC). **Macon Co.:** 7 May 2013, *R. Carter 20756* (VSC). **McDuffie Co.:** 24 May 1996, *R. Naczi 5484* (GA); 28 Apr 2001, *P. Hyatt 10164* (GA). **Murray Co.:** 10 Jun 2001, *J. Moore 722* (GA). **Putnam Co.:** 16 Apr 2011, *O. Stuber 31* (GA). **Screven Co.:** 2 May 1991, *R. Naczi 2839* (GA). **Sumter Co.:** 6 May 1990, *R. Norris 6019* (GA). **Taylor Co.:** 14 May 1988, *R. Carter 6590* (VSC). **Twiggs Co.:** 10 Jul 2011, *P. Lynch s.n.* (GA). **Walker Co.:** 9 May 1981, *J. Manhart 243* (GA-2); 1 May 1982, *J. Manhart 444* (GA-2); *N. Coile 2650* (GA). **Warren Co.:** 1 May 2002, *C. Bryson 19202* (VSC). **Webster Co.:** 18 May 2009, *P. Rothrock 4848* (VSC).

Carex acidicola

NORTH AMERICA. UNITED STATES GEORGIA. Clarke Co.: 24 May 1988, *R. Naczi 1968* (GA); 20 May 1995, *R. Naczi 4741* (GA). **DeKalb Co.:** 14 May 1996, *M. Moore 2506* (GA). **Grady Co.:** 29 Mar 2003, *R. Kral 93757* (VSC).

Carex aestivalis

NORTH AMERICA. UNITED STATES GEORGIA. Lumpkin Co.: 24 Jun 2005, *P. Hyatt 11877* (GA). **Rabun Co.:** 9 Jul 1939, *W. Duncan 1496* (GA); 30 Jun 1946, *W. Duncan 6486* (GA); 26 May 1996, *Milsted 766* (GA); 14 Jul 1996, *Milsted 1032* (GA). **Towns Co.:** 8 Jul 1939, *W. Duncan 1465* (GA); 5 Jun 1987, *L. Chafin 592* (GA). **Union Co.:** 20 Jul 1947, *W. Duncan 7699* (GA); 18 May 1987, *L. Chafin 569B* (GA); 7 Jun 1987, *L. Chafin 632A* (GA); 5 Jul 1987, *L. Chafin 641* (GA). **White Co.:** 10 Sep 2004, *P. Hyatt 11768* (GA).

Carex aggregata

NORTH AMERICA. UNITED STATES GEORGIA. Rockdale Co.: 15 May 2003, *P. Hyatt 11462* (GA).

Carex alata

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 23 Jun 1947, *R. Thorne 4865* (GA). **Calhoun Co.:** 19 May 2009, *P. Rothrock 4866* (GA); *P. Rothrock 4868* (VSC). **Camden Co.:** 28 Apr 2007, *R. Carter 17517* (VSC). **Decatur Co.:** 5 Jun 1964, *W. Faircloth 1063* (GA, VSC). **Dougherty Co.:** 13 May 1947, *R. Thorne 3829* (GA); 25 Mar 1949, *R. Thorne 9165* (GA); 7 May 2010, *R. Carter 19769* (GA, VSC). **Echols Co.:** 21 Jun 1970, *W. Faircloth 6745* (VSC). **Jenkins Co.:** 7 May 1970, *G. Gibbs 47* (GA). **Lee Co.:** 30 Apr 1947, *R. Thorne 3555* (GA). **Lowndes Co.:** 19 May 1966, *W. Faircloth 3212* (VSC). **Sumter Co.:** 18 Apr 1997, *R. Norris 6817* (GA); 19 May 2009, *P. Rothrock 4857* (VSC). **Webster Co.:** 18 May 2009, *P. Rothrock 4853* (GA, VSC).

Carex albicans

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 4 Apr 1986, *A. Gholson 11592* (GA); 18 Feb 1992, *K. Kirkman 2816* (GA-2). **Banks Co.:** 15 Apr 2000, *P. Hyatt 9100* (GA). **Bartow Co.:** 13 Apr 1947, *McDowell 278* (GA). **Bibb Co.:** 18 Mar 1986, *J. Shepherd 3043* (GA); 1 Apr 2004, *L. Gaddy s.n.* (GA). **Bleckley Co.:** 20 Mar 2010, *P. Lynch 898* (GA). **Burke Co.:** 30 Mar 1985, *J. Rettig 1281* (GA). **Butts Co.:** 17 Mar 1987, *C. Howel 13* (GA). **Catoosa Co.:** 16 Jun 2012, *J. Shaw s.n.* (GA-2). **Clarke Co.:** 3 Apr 2011, *L. Vartanian s.n.* (GA, VSC). **Clay Co.:** 29 Mar 1947, *R. Thorne 2488* (GA). **Dawson Co.:** 1 May 1955, *W. Duncan 18509* (GA). **DeKalb Co.:** 4 Apr 1949, *W. Duncan 9118* (GA). **Early Co.:** 26 Mar 1949, *R. Thorne 9202* (GA). **Elbert Co.:** 25 Apr 1949, *W. Duncan 9373* (GA); 8 Apr 1978, *N. Coile 1688* (GA). **Forsyth Co.:** 16 Apr 1955, *W. Duncan 18430* (GA). **Fulton Co.:** 2 May 1952, *W. Duncan 13473* (GA). **Hall Co.:** 26 Mar 1955, *W. Duncan 18349* (GA). **Harris Co.:** 8 Apr 1949, *W. Duncan 9245* (GA). **Jasper Co.:** 6 Apr 1949, *W. Duncan 9169* (GA). **Lee Co.:** 23 Mar 1981, *J. Manhart 199* (GA). **Liberty Co.:** 12 May 1993, *L. Anderson 14280* (GA). **Murray Co.:** 2 Apr 1983, *N. Coile 3484* (GA). **Putnam Co.:** 2 Apr 1938, *J. Pyron 2377* (GA). **Rabun Co.:** 19 Mar 1949, *W. Duncan 9100* (GA); 16 Apr 1949, *W. Duncan 9308* (GA); 12 May 1986, *J. Rettig 1568* (GA); 26 May 1996, *Milsted 758* (GA); 1 Jun 1996, *Milsted 780* (GA); 17 Apr 2000, *P. Hyatt 9115* (GA); 26 Apr 2005, *P. Hyatt 11827* (GA). **Talbot Co.:** 14 May 1988, *R. Carter 6604* (VSC). **Towns Co.:** 9 Apr 2000, *P. Hyatt 9065* (GA). **Upson Co.:** 23 Mar 1938, *J. Pyron 2312* (GA). **Walker Co.:** 15 Apr 2014, *A. Prater s.n.* (GA-2). **Whitfield Co.:** 18 Apr 2005, *P. Hyatt 11813* (GA).

Carex albolutescens

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 18 May 1951, *W. Duncan 12405* (GA, VSC); 5 May 1963, *P. Greear 6386* (GA). **Ben Hill Co.:** 27 Apr 1968, *W. Faircloth 5098* (GA, VSC). **Burke Co.:** 7 May 1970, *G. Gibbs 79* (GAS). **Burke Co.:** *G. Gibbs 77* (GA). **Chatham Co.:** 3 Apr 1959, *M. Mellinger 697* (GAS); 20 Apr 1981, *J. Graham 152* (GAS). **Colquitt Co.:** 6 Sep 1967, *W. Faircloth 4836* (VSC). **Crisp Co.:** 4 Jun 2006, *P. Hyatt 11985* (GA). **Decatur Co.:** 29 Apr 2004, *R. Kral 95011* (VSC). **DeKalb Co.:** 23 May 1995, *M. Moore 2157* (GA). **Echols Co.:** 19 Apr 1977, *M. Norsworthy 477* (VSC). **Grady Co.:** 8 May 1964, *W. Faircloth 940* (VSC); 6 May 2001, *R. Kral 91036* (VSC). **Gwinnett Co.:** 13 May 2006, *P. Hyatt 11978* (GA); *P. Hyatt 11981* (GA). **Haralson Co.:** 15 May 2003, *P. Hyatt 11471* (GA). **Jasper Co.:** 19 May 2012, *S. Sewell 279* (GA); 27 Apr 2013, *S. Sewell 1350* (GA, VSC). **Jefferson Co.:** 15 May 1970, *G. Gibbs 94* (GA). **Lanier Co.:** 30 Jul 1965, *W. Faircloth 2554* (VSC); 21 May 2011, *B. Sanderson 614* (VSC). **Lowndes Co.:** 16 Jul 1965, *W. Faircloth 2330* (VSC); 20 Apr 1966, *W. Faircloth 3114* (VSC); 29 Mar 1967, *W. Faircloth 4180* (VSC); 21 Aug 1967, *W. Faircloth 4712* (VSC); 2 May 1970, *G. Gibbs 20* (VSC); 24 May 1993, *C. Bryson 12360* (VSC). **Macon Co.:** 4 May 2013, *W. Zomlefer 3039* (GA). **Mitchell Co.:** 20 Apr 1970, *W. Faircloth 6598* (VSC). **Montgomery Co.:** 10 Aug 2017, *P. Lowe 73* (VSC). **Morgan Co.:** 1 Jun 1980, *J. Hill 1375* (GA). **Rockdale Co.:** 15 May 2003, *P. Hyatt 11460* (GA). **Schley Co.:** 18 May 2009, *P. Rothrock 4842* (GA); *P. Rothrock 4844*

(VSC). **Thomas Co.:** 4 Apr 1964, *W. Faircloth 796* (VSC). **Tift Co.:** 22 Apr 1967, *W. Faircloth 4276* (VSC). **Unknown Co.:** 10 May 1959, *M. Mellinger 696* (GAS).

Carex albursina

NORTH AMERICA. UNITED STATES GEORGIA. Murray Co.: 5 Jun 2011, *M. Medley s.n.* (VSC). **Walker Co.:** 20 May 1951, *W. Duncan 12523* (GA); 1 May 1982, *J. Manhart 441* (GA); *N. Coile 2648* (GA).

Carex amphibola

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 21 Apr 1993, *K. Kirkman 2895* (GA); *L. Kirkman 2895* (VSC-2). **Bibb Co.:** 4 Apr 2003, *J. Nelson 23663* (GA). **Burke Co.:** 7 May 1970, *G. Gibbs 72* (GA). **Catoosa Co.:** 21 May 2009, *P. Rothrock 4881* (GA). **Crisp Co.:** 20 Apr 1968, *R. Lane 2162* (GA). **Dawson Co.:** 15 May 2002, *L. Kruse 02-148* (GA). **Decatur Co.:** 21 Mar 1938, *J. Pyron 2252* (GA). **Elbert Co.:** 25 Apr 1949, *W. Duncan 9410* (GA); *W. Duncan 9428* (GA); 14 May 1978, *N. Coile 1755* (GA-2). **Emanuel Co.:** 7 May 1970, *G. Gibbs 63* (GA). **Greene Co.:** 9 May 1992, *J. Seward 1137* (GA). **Hancock Co.:** 20 May 1996, *R. Naczi 5382* (GA). **Houston Co.:** 8 Jul 2011, *P. Lynch s.n.* (GA). **Jasper Co.:** 5 May 2004, *L. Kruse 13606* (GA); 18 Mar 2012, *S. Sewell 28* (GA); 25 May 2012, *S. Sewell 320* (GA); 27 Apr 2013, *S. Sewell 1330* (GA); 10 May 2013, *S. Sewell 1367* (GA, VSC); *S. Sewell 1368* (GA, VSC). **Johnson Co.:** 19 May 1996, *F. Naczi 5376* (GA). **Liberty Co.:** 29 Apr 1993, *Unknown 1819* (GAS). **Liberty Co.:** *M. Moore 1819* (GA). **Montgomery Co.:** 5 May 1996, *R. Naczi 5249* (GA). **Murray Co.:** 13 May 1970, *G. Gibbs 88* (GA). **Putnam Co.:** 9 May 2007, *T. Govus 1380* (GA); 16 Apr 2011, *A. Fu 3* (GA). **Walker Co.:** 20 Apr 1982, *N. Coile 2598* (GA). **Wilcox Co.:** 21 Apr 1968, *R. Lane 2240* (GA). **Wilkes Co.:** 20 Aug 1970, *C. Fitzgerald 270* (GA).

Carex amplisquama

NORTH AMERICA. UNITED STATES GEORGIA. Gilmer Co.: 15 May 1938, *J. Pyron 2951* (GA).

Carex annectens

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 29 Apr 2006, *R. Carter 16547* (VSC). **Floyd Co.:** 17 May 2009, *P. Rothrock 4838* (VSC). **Henry Co.:** 20 May 1991, *S. Jones 6848* (VSC). **Whitfield Co.:** 17 May 2009, *P. Rothrock 4828* (VSC).

Carex appalachica

NORTH AMERICA. UNITED STATES GEORGIA. Hall Co.: 1 May 2005, *P. Hyatt 11836* (GA). **Lumpkin Co.:** 1 May 1999, *W. Noel s.n.* (GA-2). **Murray Co.:** 9 Sep 1999, *T. Govus 1160* (GA); 12 May 2000, *J. Moore 125* (GA); 29 May 2000, *J. Moore 222* (GA); 30 May 2000, *J. Moore 263* (GA); 15 Jun 2001, *T. Govus 1232* (GA); 10 Jun 2011, *M. Medley s.n.* (VSC). **Towns Co.:** 19 Jun 1988, *R. Carter 6776* (VSC).

Carex atlantica

NORTH AMERICA. UNITED STATES GEORGIA. Barrow Co.: 29 Apr 1992, *J. Seward 1071* (GA). **Ben Hill Co.:** 27 Apr 1968, *W. Faircloth 5094* (GA). **Burke Co.:** 7 May 1970, *G. Gibbs 48* (GA). **Butts Co.:** 25 Apr 1987, *C. Howel 118* (GA). **Calhoun Co.:** 7 Apr 1947, *R. Thorne 2777* (GA); 19 May 2006, *R. Kral 97402* (VSC). **Camden Co.:** 17 Apr 2008, *T. Govus 1538* (GA). **Chatham Co.:** 20 Apr 2012, *W. Zomlefer 2596* (GA). **Clay Co.:** 6 May 1947, *R. Thorne 3666* (GA). **Dawson Co.:** 8 May 2001, *L. Kruse 30317* (GA); 20 Jun 2001, *L. Kruse 01-311* (GA); 6 May 2002, *L. Kruse 02-106* (GA); 4 Jun 2002, *L. Kruse 02-203* (GA). **Decatur Co.:** 11 May 2001, *R. Kral 91067* (VSC); 16 Apr 2004, *R. Kral 94940* (VSC). **DeKalb Co.:** 8 May 1937, *R. McVaugh 1608* (GA). **Early Co.:** 25 Apr 1947, *R. Thorne 3361* (GA); 26 Mar 1949, *R. Thorne 9239* (GA). **Emanuel Co.:** 7 May 1970, *G. Gibbs 50* (GA). **Fannin Co.:** 29 Jun 2005, *T. Govus 1362* (GA). **Fulton Co.:** 24 Apr 1949, *W. Duncan 9357* (GA). **Grady Co.:** 20 Mar 1938, *J. Pyron 2198* (GA); 2 Apr 2005, *R. Kral 96025* (GA); 11 Aug 2006, *L. Anderson 22214* (GA). **Gwinnett Co.:** 2 May 1992, *J. Seward 1094* (GA-2); 3 May 2006, *P. Hyatt 11961* (GA); 13 May 2006, *P. Hyatt 11980* (GA). **Hall Co.:** 7 May 1955, *W. Duncan 18572* (GA). **Harris Co.:** 18 May 1971, *S. Jones 20800* (GA); 21 Apr 1999, *Sweeney 421* (GA). **Houston Co.:** 15 Apr 1967, *R. Lane 418* (GA); 17 Apr 2010, *P. Lynch 1026* (GA). **Jackson Co.:** *J. Reade s.n.* (GA). **Jones Co.:** 1 May 1996, *T. Govus 711* (GA). **Lanier Co.:** 30 Apr 1994, *C. Wilson 164* (GA). **Lee Co.:** 11 May 1940, *W. Duncan 2335* (GA); 30 Apr 1947, *R. Thorne 3567* (GA). **Liberty Co.:** 13 May 1993, *Unknown 1826* (GAS). **Liberty Co.:** 21 Apr 1984, *N. Coile 3926* (GA); 13 May 1993, *M. Moore 1826* (GA). **Long Co.:** 24 Apr 1960, *J. Schnell s.n.* (GA). **Lowndes Co.:** 4 Apr 1967, *W. Faircloth 4201* (GA); 2 May 1970, *G. Gibbs 15* (GA); 13 Apr 1979, *W. Faircloth 8200* (GA-2); 19 May 1985, *R. Carter 4089* (GA); 9 Jun 1985, *R. Carter 4153* (GA). **Lumpkin Co.:** 24 May 2007, *T. Govus 1426* (GA). **Macon Co.:** 4 May 2013, *W. Zomlefer 3013* (GA); 17 Apr 2014, *W. Zomlefer 3413* (GA). **McIntosh Co.:** 9 Apr 1961, *W. Harmer 1265* (GA-2). **Monroe Co.:** 8 Apr 1988, *C. Howel 1171* (GA); 23 Apr 1988, *C. Howel 1264* (GA). **Morgan Co.:** 23 Apr 1978, *J. Hill 378* (GAS). **Morgan Co.:** 19 May 1968, *S. Jones 15430* (GA); 23 Apr 1978, *J. Hill 378* (GA). **Murray Co.:** 25 Apr 1948, *A. Cronquist 5082* (GA); 10 Jun 2001, *J. Moore 732* (GA). **Putnam Co.:** 4 May 1947, *A. Cronquist 4397* (GA). **Rabun Co.:** 30 Jun 1940, *W. Duncan 2615* (GA); 14 Jul 1996, *Milsted 1008* (GA); 8 May 1998, *B. Stiles 1247* (GA). **Randolph Co.:** 28 Mar 1948, *R. Thorne 7705* (GA); 3 Apr 1948, *R. Thorne 7941* (GA). **Screven Co.:** 17 Apr 1948, *A. Cronquist 5007* (GA); 21 Apr 1970, *G. Gibbs 3* (GA). **Spalding Co.:** 4/29/1899, *M. Riegel s.n.* (GA). **Stephens Co.:** 12 May 1996, *J. Cruse 745* (GA).

Sumter Co.: 29 Apr 1993, *R. Norris 6526* (GA). **Taylor Co.:** 14 May 1988, *R. Carter 6594* (VSC). **Thomas Co.:** 4 Apr 1964, *W. Faircloth 797* (GA); 1 Jun 1983, *L. Anderson 6383* (GA). **Upton Co.:** 26 Apr 1947, *A. Cronquist 4344* (GA). **Webster Co.:** 29 Mar 1949, *R. Thorne 9343* (GA).

Carex aureolensis

NORTH AMERICA. UNITED STATES GEORGIA. Bleckley Co.: 1 Aug 2009, *P. Lynch 582* (GA). **Bryan Co.:** 25 Jun 1992, *R. Carter 9952* (GA). **Burke Co.:** 5 Jul 1936, *J. Pyron 624* (GA). **Butts Co.:** 4 Jul 1988, *C. Howel 1541* (GA). **Clarke Co.:** 17 Jun 2011, *G. Galau 0808-23* (GA). **Clay Co.:** 2 Aug 1947, *R. Thorne 5832* (GA). **Colquitt Co.:** 8 Jun 1985, *R. Carter 4148* (GA). **Columbia Co.:** 23 Jun 1949, *W. Duncan 9732* (GA). **Cook Co.:** 18 Jul 1968, *W. Faircloth 5347* (GA). **DeKalb Co.:** 17 Oct 1995, *M. Moore 2460* (GA). **Elbert Co.:** 22 Jul 1950, *W. Duncan 11491* (GA); 22 Jul 1977, *N. Coile 1096* (GA); 27 May 2002, *P. Hyatt 11031* (GA). **Haralson Co.:** 16 May 2003, *P. Hyatt 11467* (GA). **Harris Co.:** 19 May 1999, *Sweeney 568* (GA); 20 May 1999, *Sweeney 580* (GA). **Houston Co.:** 1 Jul 2009, *P. Lynch 389* (GA). **Morgan Co.:** 27 Oct 1979, *J. Hill 1318* (GA). **Murray Co.:** 2 Jul 2012, *R. Carter 20462* (VSC). **Oconee Co.:** 16 Jun 1992, *J. Seward 1277* (GA). **Oglethorpe Co.:** 21 Aug 1947, *A. Cronquist 4577* (GA). **Rabun Co.:** 19 Apr 2002, *P. Hyatt 11102* (GA). **Twiggs Co.:** 18 Jul 2009, *P. Lynch 409* (GA). **Whitfield Co.:** 2 Jul 2012, *R. Carter 20437* (VSC). **Wilkes Co.:** 24 May 1970, *C. Fitzgerald 271* (GA).

Carex austrina

NORTH AMERICA. UNITED STATES GEORGIA. Macon Co.: 4 May 2013, *W. Zomlefer 3071* (GA).

Carex austro-caroliniana

NORTH AMERICA. UNITED STATES GEORGIA. Dawson Co.: 6 May 2002, *L. Kruse 02-100* (GA); 17 May 2002, *L. Kruse 02-174* (GA). **Fannin Co.:** 7 Jun 1983, *N. Coile 3673* (GA). **Habersham Co.:** 18 Apr 1981, *J. Manhart 215* (GA). **Murray Co.:** 22 Mar 1979, *H. DiGioia 229* (GA); 10 May 2001, *J. Moore 678* (GA-2). **Rabun Co.:** 28 May 1982, *J. Manhart 605* (GA); 28 May 1983, *J. Manhart 601* (GA); *J. Manhart 603* (GA); 4 Jul 1995, *B. Sorrie 8462* (GA); 2 Apr 1996, *B. Stiles 845* (GA); 17 Apr 2000, *P. Hyatt 9118* (GA). **Stephens Co.:** 11 Mar 1961, *W. Duncan 21734* (GA); 1 Apr 1978, *J. Graves s.n.* (GA); 10 Jan 1981, *J. Manhart 179* (GA); 18 Apr 1981, *J. Manhart 207* (GA-2). **Towns Co.:** 28 May 1947, *W. Duncan 7601* (GA); 30 Apr 2000, *P. Hyatt 9179* (GA). **Walker Co.:** 20 May 1951, *W. Duncan 12519* (GA); 9 May 1981, *J. Manhart 245* (GA). **White Co.:** 28 Apr 1982, *D. Ware 7830* (GA); 27 May 1982, *J. Manhart 495* (GA-2).

Carex austrodeflexa

NORTH AMERICA. UNITED STATES GEORGIA. Richmond Co.: 23 Apr 1995, *B. Eerden 1289* (VSC); *B. van Eerden 1289* (GA).

Carex baltzellii

NORTH AMERICA. UNITED STATES GEORGIA. Early Co.: 14 Mar 1985, *A. Gholson 11210* (GA).

Carex barrattii

NORTH AMERICA. UNITED STATES GEORGIA. DeKalb Co.: 24 May 1897, *H. Eggert s.n.* (CM*).

Carex basiantha

NORTH AMERICA. UNITED STATES GEORGIA. Bleckley Co.: 31 Jul 2009, *P. Lynch 552* (GA). **Calhoun Co.:** 1 Apr 2011, *R. Carter 20162* (GA, VSC). **Early Co.:** 18 May 1995, *R. Naczi 4714* (GA). **Houston Co.:** 17 Apr 2010, *P. Lynch 1043* (GA). **Macon Co.:** 7 May 2013, *R. Carter 20755* (VSC); 8 May 2013, *R. Carter 20792* (VSC).

Carex biltmoreana

NORTH AMERICA. UNITED STATES GEORGIA. Rabun Co.: 30 Apr 2001, *T. Govus 1223* (GA); 29 Sep 2001, *T. Govus 1210* (GA); Sensitive Data, *T. Wieboldt* (VSC). **Towns Co.:** 23 May 1948, *W. Duncan 8239* (GA); 4 Oct 2002, *T. Govus 1289* (GA-2).

Carex blanda

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 19 May 1984, *N. Coile 4104* (GA). **Bibb Co.:** 17 May 1968, *R. Lane 2525* (GA); 1 Apr 2004, *L. Gaddy s.n.* (GA). **Burke Co.:** 10 Apr 1938, *J. Pyron 2481* (GA). **Clarke Co.:** 10 May 1939, *W. Duncan 1414* (GA); 9 May 1982, *J. Manhart 492* (GA). **Dawson Co.:** 10 Jun 2001, *L. Kruse 01-230* (GA); 20 Apr 2002, *L. Kruse 21582* (GA); 6 May 2002, *L. Kruse 02-101B* (VSC); 8 May 2002, *L. Kruse 02-121* (GA). **Decatur Co.:** 12 Apr 1982, *J. Manhart 398* (GA); 13 Apr 1982, *J. Manhart 413* (GA, VSC). **Elbert Co.:** 30 Apr 1947, *W. Duncan 7451* (GA); 25 Apr 1981, *J. Manhart 227* (GA). **Grady Co.:** 9 Apr 1988, *R. Carter 6472* (VSC). **Habersham Co.:** 18 Apr 1981, *J. Manhart 218* (GA).

Hart Co.: 23 May 1981, *J. Manhart 302* (GA). **Houston Co.:** 1 May 2005, *L. Echols 126* (GA, VSC); 23 Apr 2006, *L. Echols 514* (GA, VSC); 26 May 2010, *P. Lynch 1100* (GA); 9 Jul 2011, *P. Lynch s.n.* (GA); 11 Jul 2011, (GA); 7 Apr 2012, *B. Sorrie 12905* (GA). **Jasper Co.:** 6 May 2004, *L. Kruse 17258* (GA); 27 Apr 2013, *S. Sewell 1334* (GA); 10 May 2013, *S. Sewell 1376* (GA, VSC). **Jefferson Co.:** 12 Apr 1986, *R. Carter 4742* (VSC). **Macon Co.:** 8 May 2013, *R. Carter 20801* (VSC). **Murray Co.:** 22 Apr 2000, *J. Moore 89* (GA). **Oconee Co.:** 7 May 2003, *P. Hyatt 11443* (GA). **Putnam Co.:** 11 Apr 1948, *W. Duncan 7904* (GA). **Union Co.:** 24 May 1996, *T. Govus 752* (GA). **Upson Co.:** 10 Jun 1988, *J. Allison 3237* (GA). **Walker Co.:** 9 May 1981, *J. Manhart 242* (GA); 13 May 2014, *A. Prater s.n.* (GA).

Carex brevior

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 18 Apr 1997, *R. Carter 14009* (VSC). **Clarke Co.:** 16 Apr 2001, *P. Rothrock 3920* (GA). **Gwinnett Co.:** 13 May 2006, *P. Hyatt 11982* (GA).

Carex bromoides

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 18 Mar 2005, *W. Zomlefer 808* (GA). **Chatham Co.:** 4 Apr 1959, *M. Mellinger 1340* (GAS). **Effingham Co.:** 20 Apr 1962, *A. Radford 44537* (VSC). **Habersham Co.:** 29 May 2000, *T. Govus 1164* (GA). **Harris Co.:** 1 Apr 1971, *S. Jones 20634* (GA). **Jasper Co.:** 13 May 2004, *L. Kruse 19450* (GA). **Webster Co.:** 29 Mar 1949, *R. Thorne 9344* (GA); 11 Apr 1994, *R. Norris 6606* (GA). **Worth Co.:** 17 Mar 1967, *W. Faircloth 4114* (GA).

Carex brunnescens

NORTH AMERICA. UNITED STATES GEORGIA. Towns Co.: 8 Jul 1939, *W. Duncan 1466* (GA).

Carex bullata

NORTH AMERICA. UNITED STATES GEORGIA. Bryan Co.: 15 Jul 1992, *R. Carter 10148* (GA, VSC). **Gordon Co.:** 7 Apr 1992, *J. Allison 6499* (GA). **Rabun Co.:** 22 May 1992, *A. Reznicek 8975* (VSC). **Turner Co.:** 6 May 1967, *W. Faircloth 4341* (GA, VSC). **Walker Co.:** 20 May 1951, *W. Duncan 12494* (GA); 15 Jul 1951, *W. Duncan 12824* (GA).

Carex bushii

NORTH AMERICA. UNITED STATES GEORGIA. Bryan Co.: 10 Jun 1992, *T. Zebryk 358* (VSC). **Clarke Co.:** 18 May 1937, *J. Pyron 1798* (GA); 29 Apr 1980, *J. Manhart 46* (GA). **Lowndes Co.:** 5 May 1977, *W. Faircloth 7994* (VSC).

Carex calcifugens

NORTH AMERICA. UNITED STATES GEORGIA. Burke Co.: 10 Apr 1938, *J. Pyron 2502* (GA); 18 May 1989, *R. Naczi 2191* (GA). **Early Co.:** 4 Apr 1948, *R. Thorne 7971* (GA). **Screven Co.:** 2 May 1991, *R. Naczi 2840* (GA, VSC).

Carex careyana

NORTH AMERICA. UNITED STATES GEORGIA. Dade Co.: 16 May 1996, *J. Allison 9164* (GA). **Floyd Co.:** 10 May 1992, *J. Allison 6549* (GA).

Carex caroliniana

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 25 Mar 1994, *K. Kirkman 3246* (GA); 18 May 1996, *L. Anderson 16420* (GA). **Burke Co.:** 7 May 1970, *G. Gibbs 49* (GA). **Catoosa Co.:** 21 May 2008, *T. Govus 1584* (GA). **Clarke Co.:** 15 Apr 1911, *J. Reade s.n.* (GA). **Cobb Co.:** 13 Jun 2006, *W. Zomlefer 1010* (GA); 2 May 2007, *W. Zomlefer 1520* (GA); *W. Zomlefer 1528* (GA). **Gordon Co.:** 5 May 2000, *C. Gomez 2351* (GA). **Greene Co.:** 9 May 1992, *J. Seward 1132* (GA). **Gwinnett Co.:** 23 May 1992, *J. Seward 1197* (GA). **Heard Co.:** 30 Apr 1938, *R. McVaugh 2832* (GAS). **Jasper Co.:** 5 May 2004, *L. Kruse 14702* (GA). **Jenkins Co.:** 7 May 1970, *G. Gibbs 46* (GAS). **Jenkins Co.:** *G. Gibbs 39* (GA). **Murray Co.:** 16 May 2009, *P. Rothrock 4818* (GA, VSC). **Thomas Co.:** 23 May 1983, *L. Anderson 6369* (GA). **Whitfield Co.:** 17 May 2009, *P. Rothrock 4827* (VSC). **Wilcox Co.:** 22 Apr 1989, *W. George s.n.* (GA, VSC). **Wilkes Co.:** 24 May 1970, *C. Fitzgerald 269* (GA).

Carex cephalophora

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 25 May 1992, *K. Kirkman 2168* (GA). **Bibb Co.:** 4 Apr 2003, *J. Nelson 23662* (GA). **Clarke Co.:** 25 Apr 2003, *M. Ulyshen 51* (GA). **Columbia Co.:** 10 Apr 1938, *J. Pyron 2514* (GA). **Decatur Co.:** 22 Mar 1949, *R. Thorne 9083* (GA). **DeKalb Co.:** 15 May 2012, *B. Wichmann 2019* (GA). **Elbert Co.:** 25 May 1979, *W. Credle 746* (GA). **Gordon Co.:** 13 Apr 1998, *C. Howel 2066* (GA); 21 Apr 1998, *C. Howel 2083* (GA). **Hall Co.:** 1 May 2005, *P. Hyatt 11832* (GA); *P. Hyatt 11834* (GA). **Harris Co.:** 21 Apr 1999, *Sweeney 386* (GA). **Jasper**

Co.: 19 May 2012, *S. Sewell 277* (GA); 25 May 2012, *S. Sewell 349* (GA, VSC); 17 Jun 2012, *S. Sewell 521* (GA). **Macon Co.:** 8 May 2013, *R. Carter 20803* (VSC). **Monroe Co.:** 23 Apr 1988, *C. Howel 1268* (GA). **Morgan Co.:** 25 May 1980, *J. Hill 1367* (GA). **Oconee Co.:** 7 May 1970, *G. Gibbs 37* (GA). **Walton Co.:** 16 May 1992, *J. Seward 1193* (GA).

Carex chapmanii

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 25 Mar 2006, *R. Carter 16406* (VSC); 7 Apr 2006, *R. Carter 16458* (VSC); 29 Apr 2006, *R. Carter 16530* (VSC); 9 Jun 2006, *R. Carter 16796* (VSC); 31 Mar 2007, *R. Carter 17511* (VSC). **Charlton Co.:** 8 Jun 2006, *R. Carter 16765* (VSC).

Carex cherokeensis

NORTH AMERICA. UNITED STATES GEORGIA. Ben Hill Co.: 13 Aug 1987, *R. Carter 6095* (VSC); 23 Apr 1988, *H. Brasell 285* (VSC); *R. Carter 6519* (VSC-3). **Bleckley Co.:** 12 Nov 2008, *P. Lynch 59* (GA); 11 Apr 2009, *P. Lynch 228* (GA). **Calhoun Co.:** 1 Apr 2011, *R. Carter 20166* (GA, VSC). **Camden Co.:** 17 Mar 2006, *Carter 16392* (VSC); 29 Apr 2006, *R. Carter 16526* (VSC). **Catoosa Co.:** 6 May 1951, *W. Duncan 12377* (GA); 19 May 1951, *W. Duncan 12423* (GA); 21 Apr 1991, *J. Allison 5194* (GA). **Charlton Co.:** 14 Apr 1940, *W. Duncan 1974* (GA). **Chattooga Co.:** 23 Apr 1938, *J. Pyron 2668* (GA). **Cherokee Co.:** 12 Jun 1988, *L. Foote s.n.* (GA). **Clarke Co.:** 7 May 1970, *G. Gibbs 35* (GA); 13 Jun 1980, *J. Stutts 436* (GA). **Cobb Co.:** 6 Apr 2006, *D. Giannasi 1817* (GA); 28 Apr 2006, *D. Giannasi 1894* (GA). **Decatur Co.:** 31 Mar 1947, *R. Thorne 2606* (GA); 12 Apr 1982, *J. Manhart 395* (GA-2). **DeKalb Co.:** 15 May 2012, *B. Wichmann 2045* (GA). **Early Co.:** 27 Mar 1949, *R. Thorne 9253* (GA). **Floyd Co.:** 17 May 1901, *A. Curtiss 6788* (GA). **Fulton Co.:** 21 Jun 1950, *S. Trent s.n.* (GA); 4 May 2005, *P. Hyatt 11843* (GA-2). **Gordon Co.:** 13 Apr 1998, *C. Howel 2068* (GA); 21 Apr 1998, *C. Howel 2080* (GA); *C. Howel 2082* (GA); 23 Jun 1998, *C. Howel 2229* (GA). **Grady Co.:** 9 Apr 2004, *R. Kral 94913* (VSC). **Harris Co.:** 7 Apr 1999, *Sweeney 351* (GA). **Houston Co.:** 1 May 1968, *R. Lane 2290A* (GA); 2 Apr 1992, *J. Payne s.n.* (GA); 9 Apr 2005, *L. Echols 65* (GA, VSC); *L. Echols 71* (GA, VSC); 1 May 2005, *L. Echols 149* (GA, VSC); 8 Mar 2006, *L. Echols 483* (GA, VSC); 10 Oct 2008, *P. Lynch 10* (GA). **McDuffie Co.:** 28 Apr 2001, *P. Hyatt 10170* (GA). **McIntosh Co.:** 2 Apr 1954, *W. Duncan 17600* (GA). **Morgan Co.:** 15 Apr 1978, *J. Hill 333* (GA). **Murray Co.:** 13 May 1970, *G. Gibbs 89* (GA). **Pike Co.:** 1 May 2008, *M. Czarnota Sample G* (VSC). **Putnam Co.:** 12 May 2006, *T. Govus 1400* (GA). **Quitman Co.:** 29 Apr 2004, *R. Kral 95039* (VSC). **Walker Co.:** 25 Apr 2012, *T. Murphy s.n.* (VSC). **Wilcox Co.:** 21 Apr 1968, *R. Lane 2226* (GA). **Worth Co.:** 7 Jun 2006, *P. Hyatt 12013* (GA).

Carex collinsii

NORTH AMERICA. UNITED STATES GEORGIA. Marion Co.: 22 Jul 2001, *B. Sorrie 10778* (GA). **Taylor Co.:** 28 May 1994, *P. Sheridan 1581* (GA).

Carex communis

NORTH AMERICA. UNITED STATES GEORGIA. Fannin Co.: 13 May 1986, *J. Rettig 1588* (GA). **Gilmer Co.:** 14 Jun 1984, *J. Rettig 1070* (GA); 5 May 1985, *J. Rettig 1290* (GA). **Lumpkin Co.:** 13 May 1986, *J. Rettig 1586* (GA); 1 May 1999, *W. Noel s.n.* (GA); 20 Mar 2002, *L. Kruse 42794* (GA); 30 Mar 2002, *S. Fischer 42794* (VSC). **Macon Co.:** 13 May 1967, *R. Lane 699* (GA). **Murray Co.:** 5 May 1985, *J. Rettig 1287* (GA); *J. Rettig 1288* (GA, VSC); 7 May 1990, *J. Churchill 90050* (GA); 10 May 2001, *J. Moore 679* (GA); 16 May 2001, *J. Moore 694* (GA). **Rabun Co.:** 12 May 1986, *J. Rettig 1569* (GA); 2 May 1996, *Milsted 642* (GA); 1 Jun 1998, *W. Noel s.n.* (GA-2); 1 Jun 1999, (GA-2); 15 May 2001, *T. Govus 1225* (GA). **Towns Co.:** 1 May 1948, *A. Cronquist 5101* (GA); 12 May 1986, *J. Rettig 1578* (GA); 24 May 1986, *L. Chafin 318* (GA); 5 Jun 1987, *L. Chafin 593* (GA); 3 May 1991, *R. Naczi 2863* (GA); 30 Apr 2000, *P. Hyatt 9176* (GA). **Union Co.:** 14 May 1961, *W. Duncan 21768C* (GA-3); 14 May 1984, *S. Reznicek 7330* (GA); 14 Jun 1984, *J. Rettig 1062* (GA); 13 May 1986, *J. Rettig 1582* (GA); *J. Rettig 1583* (GA, VSC). **White Co.:** 14 Apr 1949, *W. Duncan 9271* (GA); 28 Apr 1982, *D. Ware 7821* (GA); 12 May 1986, *J. Rettig 1576* (GA).

Carex comosa

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 23 Jun 1947, *R. Thorne 4883* (GA). **Camden Co.:** 18 May 2007, *R. Carter 17588* (VSC). **Catoosa Co.:** 21 Jun 1951, *W. Duncan 12690* (GA). **Clarke Co.:** 23 Jul 2008, *G. Galau JAS-1* (GA). **Dougherty Co.:** 9 Apr 1947, *R. Thorne 2872* (GA). **Lee Co.:** 25 Mar 1949, *R. Thorne 9176* (GA). **Lowndes Co.:** 28 May 1994, *J. Lusk 105* (GA, VSC).

Carex complanata

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 20 May 1947, *R. Thorne 4048* (GA); 24 Apr 1992, *L. Kirkman 1991* (VSC); 6 May 1992, *K. Kirkman 2105* (GA). **Bartow Co.:** 13 Jun 1948, *W. Duncan 8310* (GA); 18 Jun 1951, *W. Duncan 12566* (GA); 1 Jul 1964, *P. Greear 64294* (GA); 19 May 1984, *N. 4084* (VSC). **Ben Hill Co.:** 23 Apr 1988, *R. Carter 6513* (VSC). **Brantley Co.:** 24 Apr 1971, *C. Robinson s.n.* (VSC). **Brooks Co.:** 21 Apr 1967, *W. Faircloth 4252* (GA, VSC). **Bryan Co.:** 10 Jun 1992, *Unknown 358* (GAS). **Bryan Co.:** *T. Zebryk 358* (GA); 30 Apr 1993, *M. Moore 1824* (GA). **Bulloch Co.:** 11 May 1963, *H. J. s.n.* (GAS). **Camden Co.:** 30 Apr 2006, *R. Carter 16575* (VSC); *R. Carter 16577* (VSC); 20 May 2006, *R. Carter 16671* (VSC); 10 Jun 2006, *R. Carter 16835* (VSC); 31 Mar 2007, *R. Carter 17506* (VSC). **Chatham Co.:** 4 May 1960, *M. Mellinger 2137* (GAS). **Chatham Co.:** 15 Jun 1958, *W. Duncan 21030* (GA); 20 Apr 2012, *W. Zomlefer 2550* (GA); 24 May 2012, *W. Zomlefer 2643* (GA). **Clarke Co.:** 13 Sep 1938, *W. Duncan 1077B* (GA). **Cobb Co.:** 10 May 2006, *W. Zomlefer 847a* (GA). **Colquitt Co.:** 20 Jun 2013, *R. Carter 21019* (VSC). **Columbia**

Co.: 23 May 1937, *J. Pyron 1690* (GA); 23 Apr 2006, *J. Williams s.n.* (VSC). **Dade Co.:** 27 Jun 1948, *A. Cronquist 5411* (GA). **Decatur Co.:** 14 Apr 1947, *R. Thorne 3096* (GA); 13 Apr 1982, *J. Manhart 402* (GA); 29 Apr 2004, *R. Kral 95010* (VSC). **DeKalb Co.:** 25 May 1929, *J. Reade s.n.* (GA). **Dougherty Co.:** 7 May 2010, *R. Carter 19742* (GA, VSC). **Early Co.:** 4 Jun 1970, *G. Gibbs 109* (GA); *G. Gibbs 114* (GA). **Emanuel Co.:** 7 May 1970, *G. Gibbs 52* (GA); *G. Gibbs 62* (VSC); 30 Apr 1979, *D. Boufford 20592* (GA). **Floyd Co.:** 2 Jun 1938, *H. Jones s.n.* (GA). **Gordon Co.:** 21 Apr 1998, *C. Howel 2081* (GA). **Grady Co.:** 5 May 1993, *L. Anderson 14209* (GA); 3 May 2005, *R. Kral 96202* (GA); 23 Apr 2010, *R. Carter 19691* (GA, VSC). **Gwinnett Co.:** 23 May 1992, *J. Seward 1197* (GA). **Harris Co.:** 18 May 1971, *S. Jones 20796* (GA); 21 Apr 1999, *Sweeney 425* (GA). **Heard Co.:** 30 Apr 1938, *J. Pyron 2832* (GA). **Jasper Co.:** 19 May 2012, *S. Sewell 276* (GA); 17 Jun 2012, *S. Sewell 504* (GA); 27 Apr 2013, *S. Sewell 1349* (GA, VSC). **Jefferson Co.:** 15 May 1970, *G. Gibbs 95* (GA). **Liberty Co.:** 18 Jun 1992, *R. Carter 9855* (VSC). **Lowndes Co.:** 5 May 1977, *W. Faircloth 7994* (GA). **Marion Co.:** 4 Jun 1970, *G. Gibbs 117* (GA). **Miller Co.:** 8 Jul 1998, *M. Owsley 1803* (GA). **Mitchell Co.:** 9 May 2011, *R. Carter 20208* (GA, VSC). **Pike Co.:** 21 May 1948, *A. Cronquist 5232* (GA). **Randolph Co.:** 29 Mar 1948, *R. Thorne 7730* (GA). **Rockdale Co.:** 14 May 1948, *A. Cronquist 5179* (GA); 15 May 2003, *P. Hyatt 11465* (GA). **Screven Co.:** 17 Apr 1948, *A. Cronquist 5018* (GA); 21 Apr 1970, *G. Gibbs 6* (GA). **Seminole Co.:** 26 Apr 2012, *R. Carter 20360* (VSC). **Sumter Co.:** 15 Apr 2003, *R. Norris 62A* (VSC); *R. Norris 62B* (GA). **Thomas Co.:** 26 Apr 2010, *R. Carter 19724* (GA); *W. Baker 19724* (VSC); 9 May 2011, *R. Carter 20224* (GA, VSC); *R. Carter 20227* (GA, VSC); 1 Jun 2013, *R. Carter 20974* (VSC). **Walker Co.:** 20 Jun 1951, *W. Duncan 12634* (GA); 18 Jul 1987, *N. Coile 4774* (GA); 24 May 2014, *A. Prater s.n.* (GA). **Wilcox Co.:** 21 Apr 1968, *R. Lane 2241* (GA); *R. Lane 2245* (GA).

Carex corrugata

NORTH AMERICA. UNITED STATES GEORGIA. Ben Hill Co.: 23 Apr 1988, *R. Carter 6516* (VSC). **Grady Co.:** 2 Apr 2005, *R. Kral 96023* (VSC). **Twiggs Co.:** 14 Apr 2010, *P. Lynch 997* (GA). **Wilcox Co.:** 22 Apr 1989, *W. George s.n.* (VSC).

Carex crawei

NORTH AMERICA. UNITED STATES GEORGIA. Catoosa Co.: 2 May 1982, *J. Manhart 446* (GA-2); 25 Apr 1991, *J. Allison 5222* (GA).

Carex crebriflora

NORTH AMERICA. UNITED STATES GEORGIA. Ben Hill Co.: 23 Apr 1988, *R. Carter 6517* (VSC). **Bibb Co.:** 1 Apr 2003, *L. Gaddy s.n.* (GA). **Burke Co.:** 10 Apr 1938, *J. Pyron 2483* (GA-2). **Calhoun Co.:** 19 May 2009, *P. Rothrock 4863* (GA, VSC). **Dawson Co.:** 20 Apr 2002, *L. Kruse 02-53A* (GA); 6 May 2002, *L. Kruse 02-107* (GA). **Decatur Co.:** 22 Mar 1949, *R. Thorne 9079* (GA); 17 Apr 1979, *R. Kral 63313* (VSC). **Dougherty Co.:** 7 May 2010, *R. Carter 19760* (GA, VSC). **Elbert Co.:** 14 May 1978, *N. Coile 1756* (GA); 3 May 1981, *J. Manhart 236* (GA). **Floyd Co.:** 10 May 1996, *T. Govus 736* (GA). **Gilmer Co.:** 17 May 2000, *T. Govus 1179* (GA). **Greene Co.:** 9 May 1992, *J. Seward 1134* (GA). **Harris Co.:** 8 Apr 1949, *W. Duncan 9240* (GA). **Jones Co.:** 12 Apr 1986, *L. Anderson 9227* (GA). **Lumpkin Co.:** 10 Jul 2001, *L. Kruse 01-415* (GA, VSC). **McDuffie Co.:** 28 Apr 2001, *P. Hyatt 10175* (GA). **Quitman Co.:** 24 Apr 2004, *R. Kral 95041* (VSC). **Randolph Co.:** 3 Apr 1948, *R. Thorne 7945* (GA). **Stephens Co.:** 16 Jun 1946, *W. Duncan 6454* (GA). **Walker Co.:** 24 Apr 1938, *J. Pyron 2715* (GA).

Carex crinita

NORTH AMERICA. UNITED STATES GEORGIA. Baldwin Co.: 13 Apr 1981, *A. Tate s.n.* (GA). **Bartow Co.:** 5 Jun 1948, *W. Duncan 8282* (GA); 19 Jun 1951, *W. Duncan 12574* (GA-2). **Bibb Co.:** 17 May 1968, *R. Lane 2502* (GA); 24 Jul 2002, *J. Nelson 23016* (GA). **Bryan Co.:** 18 Jun 1992, *R. Carter 9842* (GA, VSC). **Butts Co.:** 25 Apr 1987, *C. Howel 114* (GA); 25 May 1987, *C. Howel 331* (GA); 24 Apr 1988, *C. Howel 1292* (GA). **Catoosa Co.:** 26 Jun 2012, *J. Shaw s.n.* (GA). **Clarke Co.:** 17 May 1930, *J. Reade 4621* (VSC); 14 Apr 1933, *J. Reade s.n.* (GA); 11 Sep 1993, *P. Hyatt 5741* (GA). **Cobb Co.:** 21 May 2007, *W. Zomlefer 1648* (GA). **Columbia Co.:** 26 Apr 1982, *A. Tate s.n.* (GA). **Dade Co.:** 5 Jun 1948, *A. Cronquist 5297* (GA). **DeKalb Co.:** 9 May 1995, *M. Moore 2095* (GA). **Elbert Co.:** 25 Apr 1949, *W. Duncan 9398* (GA); 5 May 1977, *N. Coile 724* (GA); 13 Jun 1978, *J. Fairey 807* (GA); 1 May 1979, *W. Credle 593* (GA). **Floyd Co.:** 23 Jun 2001, *R. Ware 483* (GA). **Fulton Co.:** 7 Jun 1947, *Venard 365* (GA). **Glascok Co.:** 22 Jul 2017, *P. Lowe 28* (VSC). **Gwinnett Co.:** 25 Jun 1941, *W. Duncan 3569* (GA); 3 May 2006, *P. Hyatt 11959* (GA); 24 Jun 2006, *P. Hyatt 12041* (GA). **Habersham Co.:** 23 Apr 2011, *S. Boring 40* (GA). **Haralson Co.:** 16 May 2003, *P. Hyatt 11468* (GAS-2). **Haralson Co.:** (GA-2). **Harris Co.:** 25 Apr 1971, *S. Jones 20727* (GAS). **Harris Co.:** 7 Jun 1972, *S. Jones 21940* (GA); 21 Apr 1999, *Sweeney 435* (GA). **Jasper Co.:** 13 May 2004, *L. Kruse 21641* (GA). **Jones Co.:** 3 Jul 1999, *Sweeney 881* (GA); 10 Jul 1999, *Sweeney 901* (GA). **Lincoln Co.:** 23 Jun 1950, *W. Duncan 11135* (GA-2). **Lumpkin Co.:** 17 May 2001, *L. Kruse 01-143* (GA); 30 Aug 2002, *L. Kruse 02-306* (GA). **Macon Co.:** 28 Jun 2013, *W. Zomlefer 3152* (GA). **Morgan Co.:** 19 May 1968, *S. Jones 15427.1* (GA); 18 May 1980, *J. Hill 1352* (GA); 10 Apr 1991, *J. Seward 220* (GA). **Murray Co.:** 13 May 1970, *G. Gibbs 91* (GA); 22 Apr 2000, *J. Moore 99* (GA). **Oconee Co.:** 18 Jun 2008, *G. Galau 14* (GA). **Oglethorpe Co.:** 9 Jul 1967, *F. Montgomery 875A* (GA); 25 Jul 2008, *P. Jackson 81* (GA). **Peach Co.:** 30 May 1968, *R. Lane 2664* (GA). **Putnam Co.:** 4 May 1947, *A. Cronquist 4395* (GA); 16 Apr 2011, *R. Merchant 11* (VSC); *R. Merchant 20* (GA). **Rabun Co.:** 6 Jul 1950, *W. Duncan 11218* (GA-2); 12 Jun 1996, *Milsted 847* (GA); 24 Jul 1996, *Milsted 1130* (GA). **Unspecified Co.:** 5/15/1899, *M. Riegel s.n.* (GA). **Upson Co.:** 9 Jun 1972, *S. Jones 22027* (GA); 9 Sep 2007, *R. Carter 18042* (VSC). **Walker Co.:** 21 Jun 1951, *W. Duncan 12657* (GA-2); 12 Jul 1984, *S. Jones 24308* (GA); 30 May 2014, *A. Prater s.n.* (GA). **Walton Co.:** 18 May 1947, *A. Cronquist 4469* (GA).

Carex crus-corvi

NORTH AMERICA. UNITED STATES GEORGIA. Dodge Co.: 1 May 1981, *W. Faircloth 8556* (GA, VSC). Dougherty Co.: 25 Apr 1947, *R. Thorne 3311* (GA); 7 May 2010, *R. Carter 19780* (GA, VSC). Early Co.: 7 Apr 1947, *R. Thorne 2785* (GA). Jenkins Co.: 7 May 1970, *G. Gibbs 38* (GA). McIntosh Co.: 18 Jun 1971, *C. Wharton s.n.* (GA). Mitchell Co.: 11 Apr 1970, *W. Faircloth 6519* (VSC). Screven Co.: 22 Jul 1965, *C. Roach s.n.* (GAS); 26 Jul 1965, *M. Fordham s.n.* (GAS); *W. Tanner 274* (GAS). Warren Co.: 4 Jun 1987, *C. Bryson 5877* (VSC).

Carex cumberlandensis

NORTH AMERICA. UNITED STATES GEORGIA. Cherokee Co.: 20 May 2010, *T. Govus 1596* (GA). Dawson Co.: 8 May 2002, *L. Kruse 02-122* (GA). DeKalb Co.: 15 May 2012, *B. Wichmann 2018* (GA). Houston Co.: 9 Jul 2011, *P. Lynch s.n.* (GA). Jasper Co.: 19 May 1997, *R. Naczi 6054* (GA). Lumpkin Co.: 19 Jun 2001, *L. Kruse 01-302* (GA, VSC). Murray Co.: 11 Jun 2000, *J. Moore 317* (GA). Rabun Co.: 10 Jun 1996, *W. Noel 960610-3* (GA). Stephens Co.: 9 Jun 1984, *J. Rettig 1010A* (GA); 3 May 1991, *R. Naczi 2855* (GA). Walker Co.: 20 May 1951, *W. Duncan 12512* (GA); 1 May 1982, *J. Manhart 444* (VSC).

Carex dasycarpa

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 25 Mar 1947, *R. Thorne 2402* (GA); 6 May 1992, *K. Kirkman 2100* (GA); Sensitive Data, *L. Kirkman Sensitive Data* (VSC). Camden Co.: 26 Apr 2004, *D. Giannasi 777* (GA); 27 Apr 2004, *D. Giannasi 822* (GA); Sensitive Data, *R. Carter Sensitive Data* (VSC). Candler Co.: 8 Apr 2017, *C. Norton 12* (GAS). Chatham Co.: 29 Apr 1959, *M. Mellinger 904* (GAS). Decatur Co.: 14 Apr 1947, *R. Thorne 3110* (GA); 13 Apr 1982, *J. Manhart 415* (GA-2); Sensitive Data, *J. Manhart Sensitive Data* (VSC); *R. Kral Sensitive Data* (VSC); *Faircloth Sensitive Data* (VSC). Dougherty Co.: 14 Apr 1982, *A. Tate s.n.* (GA). Early Co.: 24 Apr 1947, *R. Thorne 3292* (GA); 19 May 1994, *J. Allison 8316* (GA). Elbert Co.: Sensitive Data, *J. Manhart Sensitive Data* (VSC). Liberty Co.: 21 Apr 1984, *N. Coile 3973* (GA). Long Co.: 18 May 1994, *K. Tassin s.n.* (GA). Macon Co.: 13 May 1967, *R. Lane 699* (GA). Thomas Co.: 26 Apr 2010, *R. Carter 19728* (GA); 10 May 2010, *R. Carter 19787* (GA); Sensitive Data, *R. Carter Sensitive Data* (VSC-2).

Carex debilis

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 19 May 1984, *N. 4073* (VSC); *N. Coile 4073* (GA). Ben Hill Co.: 27 Apr 1968, *W. Faircloth 5091* (GA, VSC); *W. Faircloth 5100* (VSC). Bibb Co.: 5 Apr 2003, *J. Nelson 23697* (GA). Brooks Co.: 13 Apr 1982, *A. Tate s.n.* (GA). Bryan Co.: 16 May 2014, *W. Zomlefer 3506* (GA). Calhoun Co.: 6 May 1947, *R. Thorne 3657* (GA). Camden Co.: 24 May 1969, *W. Duncan 23294B* (GA, VSC); 29 Apr 2006, *R. Carter 16532* (VSC); 30 Apr 2006, *R. Carter 16592* (VSC). Chatham Co.: 30 Nov 1958, *M. Mellinger 1343* (GAS); *M. Mellinger 834* (GAS); 15 May 1959, *M. Mellinger 761* (GAS). Chatham Co.: 12 Jun 2012, *W. Zomlefer 2728* (GA). Clarke Co.: 27 Apr 1936, *J. Whitney s.n.* (GAS). Clarke Co.: 5 May 1937, *J. Pyron 1623* (GA); 7 May 1983, *J. Manhart 89* (GA). Clay Co.: 9 May 1947, *R. Thorne 3767* (GA). Columbia Co.: 23 Apr 2006, *J. Williams s.n.* (VSC-2). Dawson Co.: 8 Jun 1947, *A. Cronquist 4554* (GA); 10 Jun 2001, *L. Kruse 01-228* (GA, VSC); 21 Apr 2002, *L. Kruse 29618* (GA); 6 May 2002, *L. Kruse 02-103* (GA). Decatur Co.: 11 May 2001, *R. Kral 91066* (VSC); 16 Apr 2004, *R. Kral 94935* (VSC). Early Co.: 27 Mar 1949, *R. Thorne 9283* (GA). Gilmer Co.: 17 May 2000, *T. Govus 1181* (GA); 4 Jun 2006, *T. Govus 1382* (GA). Grady Co.: 5 May 1993, *L. Anderson 14221* (GA); 21 Mar 2002, *R. Kral 92170* (VSC); 2 Apr 2005, *R. Kral 96037* (GA); 23 Apr 2010, *R. Carter 19684* (GA, VSC). Gwinnett Co.: 3 May 2006, *P. Hyatt 11958* (GA). Habersham Co.: 22 May 1996, *W. Noel 960522-11* (GA). Hall Co.: 7 May 1955, *W. Duncan 18588* (GA); 14 May 1955, *W. Duncan 18698* (GA); 17 Jun 1955, *W. Duncan 18885* (GA); 1 May 2005, *P. Hyatt 11830* (GA). Harris Co.: 22 Apr 1998, *T. Govus 1031* (GA); 21 Apr 1999, *Sweeney 431* (GA). Jones Co.: 2 May 1996, *T. Govus 720* (GA). Lowndes Co.: 13 Apr 1979, *W. Faircloth 8201* (GA, VSC). Lumpkin Co.: 19 Jun 2001, *L. Kruse 01-271* (GA); 26 May 2005, *P. Hyatt 11866* (GA). Macon Co.: 18 May 2009, *P. Rothrock 4839* (VSC); 4 May 2013, *W. Zomlefer 3041* (GA). Murray Co.: 12 May 2000, *J. Moore 124* (GA); 30 May 2000, *J. Moore 272* (GA); 8 Sep 2000, *J. Moore 491* (GA). Oconee Co.: 7 May 2003, *P. Hyatt 11443* (GA). Rabun Co.: 25 May 1941, *W. Duncan 3292* (GA); 14 May 1949, *W. Duncan 9548* (VSC); 22 May 1996, *Milsted 743* (GA); 24 Aug 1997, *T. Govus 1011* (GA). Rockdale Co.: 15 May 2003, *P. Hyatt 11458* (GA-2). Sumter Co.: 6 May 1990, *R. Norris 6020* (GA, VSC). Thomas Co.: 20 Mar 1938, *J. Pyron 2174* (GA); 26 Apr 2010, *R. Carter 19716* (GA, VSC). Twiggs Co.: 11 Apr 2009, *P. Lynch 211* (GA); 14 Apr 2010, *P. Lynch 986* (GA). Union Co.: 7 Jun 1987, *L. Chafin 625* (GA). Walker Co.: 20 Jun 1951, *W. Duncan 12638* (GA); 6 Jun 1995, *T. Govus 697* (GA); 30 May 2014, *A. Prater s.n.* (GA). White Co.: 3 May 1990, *J. Allison 4380* (GA); 17 May 2005, *P. Hyatt 11574* (GA).

Carex decomposita

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 5 May 1947, *R. Thorne 3536* (GA); 21 Mar 1949, *R. Thorne 9045* (GA). Camden Co.: 9 Jun 2006, *R. Carter 16781* (VSC). Glynn Co.: 1 Jul 1996, *K. Tassin s.n.* (VSC). Lowndes Co.: 28 Apr 2006, *R. Carter 16495* (VSC).

Carex digitalis

NORTH AMERICA. UNITED STATES GEORGIA. Banks Co.: 15 Apr 2000, *P. Hyatt 9096* (GA). Bibb Co.: 4 Apr 2003, *J. Nelson 23634* (GA). Burke Co.: 18 May 1989, *R. Naczi 2194* (GA). Camden Co.: 2 Jul 1996, *R. Carter 13029* (VSC); 9 Jun 2006, *R. Carter 16797* (VSC). Chatham Co.: 27 Apr 1959, *M. Mellinger 902* (GAS). Clarke Co.: 25 Apr 1981, *J. Manhart 223* (GA-2). Cobb Co.: 28 Apr 2006, *D. Giannasi 1931* (GA); 10 May 2006, *W.*

Zomlefer 854 (GA). **Crawford Co.:** 4 Apr 1968, *R. Lane 2005* (GA); *R. Lane 2006* (GA); 1 May 1968, *R. Lane 2351* (GA). **Dade Co.:** 12 Jun 1981, *J. Manhart 368* (GA-2). **Dawson Co.:** 4 Jun 2002, *L. Kruse 02-205* (GA). **Decatur Co.:** 20 Mar 2009, *R. Carter 18779* (GAS). **Decatur Co.:** 14 Apr 1947, *R. Thorne 3069* (GA); 13 Apr 1982, *J. Manhart 399* (GA-2, VSC-2); *J. Manhart 417* (GA-2). **Dougherty Co.:** 14 Apr 1982, *A. Tate s.n.* (GA); 7 May 2010, *R. Carter 19757* (GA). **Early Co.:** 24 Apr 1947, *R. Thorne 3290* (GA); 31 Mar 1989, *N. Coile 4948* (GA). **Effingham Co.:** 2 May 1991, *R. Naczi 2831* (GA). **Elbert Co.:** 13 Jun 1978, *C. Douglass 1469* (GA); 25 Apr 1981, *J. Manhart 226* (GA-2). **Gilmer Co.:** 15 May 1938, *J. Pyron 2954* (GA); 14 Jun 1984, *J. Rettig 1072* (GA). **Grady Co.:** 20 Mar 1938, *J. Pyron 2203* (GA); 5 May 1993, *L. Anderson 14223* (GA); 23 Apr 2010, *R. Carter 19686* (GA). **Gwinnett Co.:** 23 May 1992, *J. Seward 1216* (GA-2). **Harris Co.:** 12 Apr 1972, *S. Jones 21739* (GA). **Lee Co.:** 20 Mar 1949, *R. Thorne 9024* (GA). **Liberty Co.:** 28 Apr 1993, *Unknown 1811* (GAS). **Lowndes Co.:** 13 Apr 1979, *W. Faircloth 8199* (GA-2, VSC). **Lumpkin Co.:** 24 Jun 2005, *P. Hyatt 11882* (GA). **Macon Co.:** 4 May 2013, *W. Zomlefer 3045* (GA). **Madison Co.:** 23 May 1983, *C. Bryson 3537* (VSC). **Murray Co.:** 12 May 2000, *J. Moore 118* (GA); 30 May 2000, *J. Moore 255* (GA); 25 Apr 2001, *J. Moore 651* (GA). **Paulding Co.:** 23 Apr 1938, *J. Pyron 2600* (GA). **Rabun Co.:** 15 May 1949, *W. Duncan 9561* (GA); 14 May 1983, *J. Manhart 102* (GA); 22 May 1996, *Milsted 745* (GA); 30 May 1996, *T. Price s.n.* (GA). **Sumter Co.:** 28 Apr 1995, *M. Owsley s.n.* (GA). **Thomas Co.:** 26 Apr 2010, *R. Carter 19719* (GA). **Towns Co.:** 20 Jun 1988, *R. Carter 6775* (VSC). **Twiggs Co.:** 14 Apr 2010, *P. Lynch 970* (GA); 10 Jul 2011, *P. Lynch s.n.* (GA). **Union Co.:** 25 May 1987, *L. Chafin 554* (GA). **Worth Co.:** 17 Mar 1967, *W. Faircloth 4114* (VSC).

Carex eburnea

NORTH AMERICA. UNITED STATES GEORGIA. Floyd Co.: 9 May 1992, *J. Allison 6537* (GA); 18 Jun 1996, *J. Allison 9292* (GA).

Carex echinata

NORTH AMERICA. UNITED STATES GEORGIA. Rabun Co.: 2 May 2012, *T. Wieboldt 12541* (GA).

Carex elliotii

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 9 Jun 2006, *R. Carter 16793* (VSC); 26 Mar 2007, *L. Kruse 20* (GA); 18 May 2007, *R. Carter 17571* (VSC). **Evans Co.:** 16 Jun 1992, *R. Carter 9772* (GAS). **Evans Co.:** (GA, VSC); *R. Carter 9776* (GA, VSC). **Liberty Co.:** 2 Jul 1992, *R. Carter 10047* (GA, VSC). **Mitchell Co.:** 9 May 2011, *R. Carter 20212* (GA, VSC). **Taylor Co.:** 23 May 1987, *R. Naczi 1625* (GA, VSC).

Carex festucacea

NORTH AMERICA. UNITED STATES GEORGIA. Bryan Co.: 16 May 2014, *W. Zomlefer 3477* (GA). **Calhoun Co.:** 1 Apr 2011, *R. Carter 20163* (GA, VSC). **Camden Co.:** 9 Jul 1996, *R. Carter 13219* (VSC). **Catoosa Co.:** 21 May 2009, *P. Rothrock 4877* (GA, VSC). **Chatham Co.:** 10 Oct 1959, *E. Mellinger 2687* (GAS); 3 Dec 1959, *M. Mellinger 1341* (GAS). **Cobb Co.:** 28 Apr 2006, *D. Giannasi 1916* (GA); 10 May 2006, *W. Zomlefer 847b* (GA); 2 May 2007, *W. Zomlefer 1545a* (GA). **Colquitt Co.:** 25 May 1996, *R. Carter 12934* (VSC). **Decatur Co.:** 2 Oct 1998, *L. Anderson 18456* (GA); 11 May 2001, *R. Kral 91065* (VSC). **Floyd Co.:** 17 May 2009, *P. Rothrock 4837* (GA). **Grady Co.:** 5 May 1993, *L. Anderson 14246* (GA). **Greene Co.:** 9 May 1992, *J. Seward 1131* (GA). **Jasper Co.:** 25 Apr 1964, *W. Faircloth 867* (VSC); 2 Jun 2012, *S. Sewell 434* (GA). **Lowndes Co.:** 23 Apr 1993, *R. Carter 10657* (VSC). **McDuffie Co.:** 28 Apr 2001, *P. Hyatt 10173* (GA). **Murray Co.:** 16 May 2009, *P. Rothrock 4820* (GA, VSC). **Seminole Co.:** 26 Apr 2012, *R. Carter 20359* (VSC). **Whitfield Co.:** 17 May 2009, *P. Rothrock 4825* (GA, VSC). **Wilcox Co.:** 22 Apr 1989, *W. George s.n.* (VSC). **Worth Co.:** 7 Jul 2010, *R. Carter 19853* (VSC).

Carex fissa

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 6 May 1992, *K. Kirkman 2086* (GA); *L. Kirkman 2086* (VSC). **Bryan Co.:** 25 Jun 1992, *R. Carter 9950* (VSC). **Camden Co.:** 30 Apr 2008, *R. Carter 18373* (GAS). **Camden Co.:** 9 Jul 1996, *R. Carter 13150* (GA, VSC); *R. Carter 13222* (VSC); 8 Apr 2006, *R. Carter 16477* (VSC); 29 Apr 2006, *R. Carter 16520* (VSC); *R. Carter 16527* (VSC); 28 Jun 2006, *W. Zomlefer 1056* (GA). **Grady Co.:** 3 May 1989, *R. Godfrey 83166* (VSC). **Sumter Co.:** 22 Apr 1990, *R. Norris 6014* (GA, VSC).

Carex flaccosperma

NORTH AMERICA. UNITED STATES GEORGIA. Ben Hill Co.: 23 Apr 1988, *R. Carter 6518* (VSC). **Bibb Co.:** 20 Apr 1987, *J. Shepherd 4149* (GA). **Chatham Co.:** 10 Apr 1959, *M. Mellinger M-21* (GAS). **Cobb Co.:** 2 May 2007, *W. Zomlefer 1536* (GA). **Decatur Co.:** 22 Mar 1949, *R. Thorne 9085* (GA); 12 Apr 1982, *J. Manhart 397* (GA); 13 Apr 1982, *J. Manhart 405* (GA). **Elbert Co.:** 25 Apr 1949, *W. Duncan 9411* (GA); 28 May 1978, *N. Coile 1839* (GA); 25 Apr 1981, *J. Manhart 231* (GA). **Floyd Co.:** 18 May 1901, *A. Curtiss 6790* (GA). **Gordon Co.:** 21 Apr 1998, *C. Howel 2084* (GA); *C. Howel 2097* (GA); 6 May 1998, *C. Howel 2142* (GA). **Grady Co.:** 28 Apr 1980, *R. Godfrey 77740* (GA). **Greene Co.:** 18 Apr 1992, *J. Seward 1036* (GA). **Hart Co.:** 23 May 1981, *J. Manhart 300* (GA-2). **Jasper Co.:** 6 May 2004, *L. Kruse 17989* (GA); 7 Apr 2012, *S. Sewell 43* (GA, VSC); 19 May 2012, *S. Sewell 271* (GA); 2 Jun 2012, *S. Sewell 411* (GA); 17 Jun 2012, *S. Sewell 496* (GA, VSC); 27 Apr 2013, *S. Sewell 1328* (GA, VSC); 10 May 2013, *S. Sewell 1369* (GA); *S. Sewell 1419* (GA). **McDuffie Co.:** 28 Apr 2001, *P. Hyatt 10176* (GA). **Putnam Co.:** 9 Apr 2011, *S. Willis 16* (GA). **Twiggs Co.:** 14 Apr 2010, *P. Lynch 972* (GA). **Wilcox Co.:** 22 Apr 1989, *W. George s.n.* (VSC).

Carex floridana

NORTH AMERICA. UNITED STATES GEORGIA. **Burke Co.:** 30 Mar 1985, *J. Rettig 1278* (GA). **Camden Co.:** 25 Mar 2006, *R. Carter 16407* (VSC). **Coffee Co.:** 19 Apr 2014, *R. Carter 21601* (VSC). **Dade Co.:** 20 Dec 1935, *J. Campbell s.n.* (GA). **Decatur Co.:** 23 Mar 1985, *J. Rettig 1246* (GAS); 20 Mar 2009, *R. Carter 18780* (GAS). **Decatur Co.:** 23 Mar 1985, *J. Rettig 1246* (GA, VSC). **Fulton Co.:** 4 Apr 1949, *W. Duncan 9138* (GA). **Hall Co.:** 2 Apr 1949, *S. Smith 4821* (GA). **Lee Co.:** 8 Apr 1986, *J. Rettig 1434* (GA). **Lowndes Co.:** 13 Apr 1987, *R. Carter 5369* (VSC); 23 Mar 1988, *R. Carter 6468* (VSC). **Macon Co.:** 22 Mar 1938, *J. Pyron 2290* (GA). **Morgan Co.:** 31 Mar 1991, *J. Seward 233* (GA). **Quitman Co.:** 25 Apr 1987, *M. Garland 539* (GA). **Screven Co.:** 28 Mar 1954, *W. Duncan 20739* (GA). **Stewart Co.:** 31 Mar 1987, *M. Garland 504* (GA).

Carex folliculata

NORTH AMERICA. UNITED STATES GEORGIA. **Habersham Co.:** 3 Aug 1999, *T. Govus 1146* (GA). **Rabun Co.:** 22 May 1992, *A. Reznicek 8973* (VSC); 14 Aug 1997, *T. Govus 1010* (GA); 2 May 2012, *T. Wieboldt 12540* (GA, VSC). **Twiggs Co.:** 4 Jun 1996, *T. Govus 761* (GA). **Union Co.:** 30 Jun 2012, *M. Medley 10* (VSC).

Carex frankii

NORTH AMERICA. UNITED STATES GEORGIA. **Bartow Co.:** 15 Jul 1951, *W. Duncan 12830A* (GAS); *W. Duncan 12831* (GAS). **Bartow Co.:** (GA); 23 Jun 2010, *L. Chafin s.n.* (GA). **Bibb Co.:** 25 Jul 2008, *W. Zomlefer 2253* (GA). **Bryan Co.:** 25 Jun 1992, *R. Carter 9952* (GAS). **Bryan Co.:** (VSC). **Catoosa Co.:** 21 Jun 1951, *W. Duncan 12682* (GA). **Chattooga Co.:** 16 Jul 1951, *W. Duncan 12858* (GA). **Clarke Co.:** 24 Jun 2013, *G. Galau s.n.* (GA). **Cobb Co.:** 13 Jun 2006, *W. Zomlefer 1009* (GA); 21 Aug 2007, *W. Zomlefer 1905* (GA). **Colquitt Co.:** 8 Jun 1985, *R. Carter 4148* (VSC). **Cook Co.:** 18 Jul 1968, *W. Faircloth 5347* (VSC). **Dade Co.:** 9 Jun 2002, *P. Hyatt 10058* (GA-2). **Dawson Co.:** 27 Jun 2002, *L. Kruse 02-242* (GA, VSC). **Fulton Co.:** 24 Jun 2010, *P. McCullough s.n.* (VSC). **Gordon Co.:** 20 Jun 1951, *W. Duncan 12603* (GA). **Jasper Co.:** 2 Jun 2012, *S. Sewell 418* (GA); 10 May 2013, *S. Sewell 1383* (GA); 26 May 2013, *S. Sewell 1490* (GA, VSC). **Lanier Co.:** 21 May 2011, *B. Sanderson 615* (VSC). **Long Co.:** 6 Oct 1962, *J. Bozeman 1869* (GAS). **Murray Co.:** 21 Jul 2001, *J. Moore 836* (GA); 26 Aug 2001, *J. Moore 1082* (GA). **Richmond Co.:** 23 Jul 1991, *M. Moore 1244* (GA). **Taliaferro Co.:** 17 Jul 1950, *W. Duncan 11362* (GA). **Walker Co.:** 12 Jun 1950, *J. Hunt 54* (GA); 2 Jul 2015, *A. Prater s.n.* (GA).

Carex gholsonii

NORTH AMERICA. UNITED STATES GEORGIA. **Camden Co.:** 18 Apr 1997, *R. Carter 14010* (VSC); 30 Apr 2006, *R. Carter 16589* (VSC).

Carex gigantea

NORTH AMERICA. UNITED STATES GEORGIA. **Baker Co.:** 21 Jun 1947, *R. Thorne 4838* (GA); 24 Apr 1992, *L. Kirkman 1991* (VSC); 23 Jul 1992, *L. Kirkman 2357* (VSC); 6 Aug 1992, *K. Kirkman 2433* (GA). **Bartow Co.:** 18 Jun 1951, *W. Duncan 12563* (GAS). **Bartow Co.:** 14 Jul 1951, *W. Duncan 12778* (GA); 11 Aug 1951, *W. Duncan 12905* (GA); 5 Jul 1964, *P. Greear 64264* (GA). **Ben Hill Co.:** 4 May 1968, *W. Faircloth 5165* (GA). **Brooks Co.:** 13 Jul 1966, *W. Faircloth 3483* (GA, VSC); 21 Apr 1967, *W. Faircloth 4261* (GA, VSC). **Bryan Co.:** 23 Jun 1992, *R. Carter 9879* (GAS); 14 Jul 1992, *R. Carter 10133* (GAS). **Bryan Co.:** 18 Jun 1992, *R. Carter 9851* (GA, VSC); 23 Jun 1992, *R. Carter 9878* (GA, VSC); *R. Carter 9879* (VSC); 14 Jul 1992, *R. Carter 10137* (VSC). **Bulloch Co.:** 6 Jul 1962, *A. Cornelison 123* (GAS). **Burke Co.:** 7 May 1970, *G. Gibbs 75* (GA). **Calhoun Co.:** 6 May 1947, *R. Thorne 3634* (GA); 28 Jul 1947, *R. Thorne 5688* (GA); 19 May 2009, *P. Rothrock 4867* (VSC). **Camden Co.:** 29 Apr 2006, *R. Carter 16538* (VSC). **Chatham Co.:** 14 Jun 1958, *W. Duncan 21008* (GAS). **Chatham Co.:** (GA-2). **Decatur Co.:** 11 May 2001, *R. Kral 91070* (VSC). **Dodge Co.:** 17 May 1953, *W. Duncan 16063* (GA). **Dougherty Co.:** 25 Mar 1949, *R. Thorne 9159* (GA); 7 May 2010, *R. Carter 19777* (GA, VSC). **Early Co.:** 21 Mar 1949, *R. Thorne 9046* (GA). **Emanuel Co.:** 7 May 1970, *G. Gibbs 51* (GA). **Grady Co.:** 5 May 1993, *L. Anderson 14236* (GA). **Greene Co.:** 9 May 1992, *J. Seward 1141* (GA). **Jefferson Co.:** 15 May 1970, *G. Gibbs 93* (GA). **Jenkins Co.:** 7 May 1970, *G. Gibbs 41* (GA). **Johnson Co.:** 11 Apr 1976, *R. Kral 57628* (GA); 4 Jun 1980, *R. Kral 65318* (VSC-2). **Liberty Co.:** 1/0/1900, *M. Haberbosch 52* (GAS-2). **Miller Co.:** 8 Jul 1947, *R. Thorne 5224* (GA). **Muscogee Co.:** 31 Aug 1980, *J. Stutts 679* (GA). **Tift Co.:** 22 Apr 1967, *W. Faircloth 4300* (GA, VSC). **Walker Co.:** 20 May 1951, *W. Duncan 12488* (GA); 18 Aug 1981, *N. Coile 2297* (GA). **Whitfield Co.:** 2 Jul 2012, *R. Carter 20440a* (VSC).

Carex glaucescens

NORTH AMERICA. UNITED STATES GEORGIA. **Atkinson Co.:** 26 Jul 1969, *R. Norris 1258* (VSC). **Bacon Co.:** 22 Jul 2009, *R. Carter 19092* (GAS). **Bartow Co.:** 11 Aug 1951, *W. Duncan 12894* (GA); *W. Duncan 12912* (GA); 23 Jul 1965, *P. Greear 65200* (GA). **Berrien Co.:** 19 Aug 1950, *W. Duncan 11806* (GA); 12 Jul 1965, *W. Faircloth 2115* (VSC). **Bibb Co.:** 9 Sep 1967, *R. Lane 1305* (GA). **Brantley Co.:** 8 Aug 1988, *R. Carter 7288* (GA, VSC). **Brooks Co.:** 20 Sep 1940, *W. Duncan 2983* (GA). **Bryan Co.:** 17 Jul 1998, *E. Kemper 64* (GAS). **Bryan Co.:** 15 Jul 1992, *R. Carter 10149* (GA, VSC). **Bulloch Co.:** 21 Aug 1961, *G. Dewolf 1662* (GAS-3); 28 Jun 1962, *A. Cornelison 60* (GAS); 9 Oct 1964, *J. Spooner 139* (GAS); *P. Hooper s.n.* (GAS); 23 Oct 1964, *J. Spooner 263* (GAS); *R. O'Steen 135* (GAS); *R. O'Steen s.n.* (GAS); 1/0/1900, *D. Hall 14* (GAS); *E. Parker 73* (GAS). **Calhoun Co.:** 19 Aug 2009, *R. Carter 19382* (GA, VSC). **Camden Co.:** 7 Sep 1963, *D. Blake s.n.* (GA). **Candler Co.:** 4 Jul 1936, *J. Pyron 698* (GA). **Charlton Co.:** 11 Jul 1979, *S. Jones 23345* (GA); *S. Jones 23365* (GA); 9 Jul 1991, *R. Carter 8860* (GA-2, VSC). **Chatham Co.:** 8 Nov 1958, *M. Mellinger 642* (GAS); 21 Jun 1959, *M. Mellinger 931* (GAS). **Chatham Co.:** 12 Jul 1958, *W. Duncan 21255* (GA); 27 Jul 2012, *W. Zomlefer 2795* (GA). **Chattooga**

Co.: 12 Aug 1999, *R. Ware 438* (GA). **Clinch Co.:** 17 Jun 1969, *R. Norris 1147* (VSC); 4 Jul 1969, *R. Norris 1190* (VSC); 14 Jul 1998, *R. Carter 7* (VSC). **Coffee Co.:** 16 Aug 2007, *J. Clay 96* (VSC). **Colquitt Co.:** 10 Aug 1965, *W. Faircloth 2675* (GA, VSC); 18 Jul 2013, *R. Carter 21151* (VSC). **Cook Co.:** 19 Jul 1965, *W. Faircloth 2378* (GA, VSC); 21 Sep 1965, *W. Faircloth 2999* (VSC); 23 Sep 1967, *W. Faircloth 4886* (VSC); 26 Jun 1988, *R. Carter 6813* (VSC). **Crisp Co.:** 2 Sep 1968, *R. Lane 3364* (GA). **Dade Co.:** 12 Oct 1947, *A. Cronquist 4828* (GA); 16 Aug 1980, *R. Kral 66107* (VSC). **Dooly Co.:** 31 Jul 1953, *W. Duncan 16845* (GA); 24 Jun 1967, *R. Lane 879* (GA). **Early Co.:** 29 Aug 1941, *W. Duncan 4021* (GA); 16 Sep 2000, *R. Kral 90329* (VSC). **Echols Co.:** 21 Jun 1970, *W. Faircloth 6748* (GA, VSC); 3 Sep 1985, *R. Carter 4456* (GA, VSC); 9 Jul 1991, *R. Carter 8799* (GA, VSC); *S. Jones 7274* (VSC). **Effingham Co.:** 1 Aug 1970, *W. Duncan 23454* (GA); 29 Oct 2005, *R. Kral 96990* (VSC). **Evans Co.:** 14 Apr 1992, *Unknown 132* (GAS). **Evans Co.:** *T. Zebryk 132* (GA, VSC). **Grady Co.:** 7 Jul 1948, *A. Cronquist 5451* (GA); 3 Sep 1964, *W. Faircloth 1513* (GA, VSC); 3 Sep 2000, *R. Kral 90230* (VSC); 8 Aug 2005, *R. Kral 96684* (VSC). **Hancock Co.:** 9 Aug 1966, *J. Bozeman 7384* (GAS). **Harris Co.:** 16 Jul 1998, *Crook 466* (GA). **Irwin Co.:** 23 May 1953, *R. Wilbur 3356* (GA); 16 Jun 2009, *B. Sanderson 329* (VSC). **Jeff Davis Co.:** 15 Jul 2000, *H. Holland 613* (GA). **Jenkins Co.:** 8 Aug 1936, *J. Pyron 933* (GA). **Liberty Co.:** 22 Apr 1984, *N. Coile 3983* (GA); 22 Jul 1993, *M. Moore 1852* (GA). **Long Co.:** 13 Jul 1962, *J. Bozeman 1252* (GAS). **Long Co.:** 6 Oct 1962, *J. Bozeman 2106* (GA); 23 Oct 1992, *C. Nordman s.n.* (GA). **Lowndes Co.:** 24 Aug 1985, *R. Carter 4416* (GA, VSC); 20 Jul 1988, *R. Carter 7096* (GA, VSC); 27 Aug 1994, *J. Lusk 223* (VSC); 26 Oct 1999, *G. Bennett 91* (VSC). **Macon Co.:** 19 Jul 1968, *R. Lane 3067* (GA); 2 Sep 2014, *W. Zomlefer 3739* (GA). **McIntosh Co.:** 18 Jun 1948, *A. Cronquist 5376* (GA); 10 Jul 1956, *W. Duncan 20254* (GA); 7 Jul 1962, *J. Bozeman 847* (GA); 8 Jul 1962, *J. Bozeman 970* (GAS); *J. Bozeman 975* (GAS); 8 Aug 1988, *R. Carter 7267* (GA, VSC); 15 Jul 1992, *C. Nordman s.n.* (GA). **Montgomery Co.:** 10 Aug 2017, *P. Lowe 65* (VSC). **Pulaski Co.:** 31 Jul 1953, *W. Duncan 16858* (GA). **Screven Co.:** 5 Oct 1966, *H. Hinds s.n.* (GAS). **Screven Co.:** 7 Aug 1942, *W. Duncan 5539* (GA). **Sumter Co.:** 5 Aug 1953, *W. Duncan 17153* (GA, VSC); 2 Aug 1997, *R. Norris 6884* (GA). **Tattnall Co.:** 31 Jul 1970, *W. Duncan 23450* (GA). **Taylor Co.:** 8 Sep 1990, *S. Orzell 15022* (GA). **Terrell Co.:** 19 Aug 2009, *R. Carter 19429* (GA, VSC). **Thomas Co.:** 25 Jul 2007, *R. Carter 17808* (VSC). **Tift Co.:** 24 Aug 1965, *W. Faircloth 2825* (GA, VSC). **Unknown Co.:** 11 Nov 1958, *M. Mellinger 912* (GAS). **Upson Co.:** 9 Sep 1947, *A. Cronquist 4675* (GA). **Walker Co.:** 18 Aug 1981, *N. Coile 2298* (GA). **Wayne Co.:** 22 Jul 1993, *C. Nordman s.n.* (GA). **Wheeler Co.:** 1 Aug 1953, *W. Duncan 16952* (GA). **Wilcox Co.:** 9 Aug 1987, *R. Carter 6062* (VSC).

Carex godfreyi

NORTH AMERICA. UNITED STATES GEORGIA. Calhoun Co.: 5 Apr 1948, *R. Thorne 7995* (GA). **Camden Co.:** 18 Apr 1997, *R. Carter 14008* (VSC); *R. Carter 14011* (VSC); 29 Apr 2006, *R. Carter 16528* (VSC); 30 Apr 2006, *R. Carter 16590* (VSC); *R. Carter 16591* (VSC). **Dougherty Co.:** 7 May 2010, *R. Carter 19762* (GA, VSC). **Early Co.:** 12 Apr 1947, *R. Thorne 2948* (GA); 25 Apr 1947, *R. Thorne 3347* (GA); 18 Jun 1997, *J. Allison 9931* (GA). **Johnson Co.:** 19 May 1996, *R. Naczi 5375* (GA). **Miller Co.:** 18 Jun 1997, *J. Allison 9926* (GA). **Pulaski Co.:** 5 May 1996, *R. Naczi 5238* (GA).

Carex gracilescens

NORTH AMERICA. UNITED STATES GEORGIA. Decatur Co.: 13 Apr 1982, *J. Manhart 412* (GA). **Harris Co.:** 6 Apr 1999, *Sweeney 303* (GA). **Lumpkin Co.:** 9 May 2002, *L. Kruse 02-137* (GA). **Walker Co.:** 25 Mar 2001, *T. Govus 1222* (GA).

Carex gracillima

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 14 Jul 1963, *P. Greear 63216* (GA). **Lumpkin Co.:** 2 Aug 2002, *T. Govus 1269* (GA). **Screven Co.:** 12 Apr 1958, *W. Duncan 20757* (GA). **White Co.:** 9 Aug 2002, *T. Govus 1276* (GA).

Carex granularis

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 21 May 2009, *P. Rothrock 4874* (GA, VSC). **Dade Co.:** 9 Jun 2002, *P. Hyatt 10061* (GA-2). **Houston Co.:** 1 May 2005, *L. Echols 127* (GA); 5 Jun 2005, *L. Echols 223* (GA); 28 May 2006, *L. Echols 550* (GA, VSC); 11 Jun 2006, *L. Echols 567* (GA); 7 Apr 2012, *B. Sorrie 12904* (GA). **Lee Co.:** 20 Mar 1949, *R. Thorne 9026* (GA). **Quitman Co.:** 29 Apr 2004, *R. Kral 95034* (VSC). **Wilkes Co.:** 30 May 2012, *L. Chafin s.n.* (GA).

Carex grvida

NORTH AMERICA. UNITED STATES GEORGIA. Bryan Co.: 14 Jul 1992, *R. Carter 10127* (GA). **Walton Co.:** 18 May 1980, *J. Manhart 37* (GA).

Carex grayi

NORTH AMERICA. UNITED STATES GEORGIA. Catoosa Co.: 16 Jun 2012, *J. Shaw s.n.* (GA). **Clarke Co.:** 3 Nov 2008, *G. Galau 0808-74* (GA). **Floyd Co.:** 17 May 1992, *J. Allison 6584* (GA). **Fulton Co.:** 23 Apr 2000, *M. Caird 76* (GA). **Gordon Co.:** 8 Apr 1992, *J. Allison 6521* (GA); 16 May 1996, *T. Govus 745* (GA); 30 May 2000, *C. Gomez 2363* (GA); 23 Apr 2006, *C. Gomez 2403* (GA).

Carex gynandra

NORTH AMERICA. UNITED STATES GEORGIA. Dawson Co.: 8 Jun 1947, A. Cronquist 4551 (GA); 17 May 2002, L. Kruse 02-168 (GA). Morgan Co.: 21 Apr 1979, J. Hill 833 (GA). Murray Co.: 1 Apr 2000, J. Moore 65 (GA); J. Moore 66 (GA); 10 Jun 2001, J. Moore 728 (GA). Towns Co.: 20 Sep 2003, P. Hyatt 11489 (GAS). Towns Co.: (GA-2). Union Co.: 30 Jun 2012, M. Medley 17 (VSC). White Co.: 20 Jun 1941, W. Duncan 3491 (GA).

Carex hirsutella

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 19 May 1984, N. Coile 4084 (GA). Elbert Co.: 25 Apr 1949, W. Duncan 9419 (GA); 31 May 1978, C. Douglass 1438 (GA). Houston Co.: 9 Jun 2005, L. Echols 245 (GA). Jasper Co.: 8 Apr 2012, S. Sewell 80 (GA); 19 May 2012, S. Sewell 280 (GA); 25 May 2012, S. Sewell 314 (GA, VSC); 2 Jun 2012, S. Sewell 407 (GA); 17 Jun 2012, S. Sewell 515 (GA); 27 Apr 2013, S. Sewell 1357 (GA, VSC); 10 May 2013, S. Sewell 1380 (GA, VSC). Lincoln Co.: 24 Jun 1950, W. Duncan 11142 (GA). Stephens Co.: 14 May 1982, D. Boufford 22844 (GA); 18 May 1995, J. Cruse 752 (GA). Walker Co.: 13 May 2014, A. Prater s.n. (GA).

Carex hyalinolepis

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 18 May 1951, W. Duncan 12381 (GA). Burke Co.: 7 May 1970, G. Gibbs 82 (GA). Camden Co.: 20 May 2006, R. Carter 16655 (VSC). Charlton Co.: 9 May 1970, W. Duncan 23388 (GA). Dougherty Co.: 9 Apr 1947, R. Thorne 2873 (GA); 13 May 1947, R. Thorne 3828 (GA); 25 Mar 1949, R. Thorne 9157 (GA). McIntosh Co.: 27 Mar 1959, W. Harmer 488 (GA); W. Harmer 489 (GA); 20 Apr 1959, W. Harmer 524 (GA); 27 Apr 1960, W. Harmer 1024 (GA); 27 May 1960, W. Harmer 1069 (GA); 24 Mar 1961, W. Harmer 1238 (GA); 25 Mar 1961, W. Harmer 1241 (GA); 19 Apr 1994, K. Tassin s.n. (GA). Wayne Co.: 12 Apr 1942, W. Duncan 4707 (GA).

Carex hystericina

NORTH AMERICA. UNITED STATES GEORGIA. Clarke Co.: 5 May 1937, J. Pyron 1621 (GA). DeKalb Co.: 8 May 1937, R. McVaugh 1598 (GA). Gordon Co.: 30 Apr 1966, W. Duncan 22645 (GA, VSC). Oglethorpe Co.: 8 May 1966, F. Montgomery 471A (GA).

Carex intumescens

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 6 May 1992, K. Kirkman 2103 (GA). Bartow Co.: 6 Jun 1948, W. Duncan 8300 (GA). Ben Hill Co.: 23 Apr 1988, R. Carter 6510 (VSC). Bryan Co.: 23 Jun 1992, R. Carter 9906 (GA, VSC); 16 May 2014, W. Zomlefer 3504 (GA). Calhoun Co.: 5 Apr 1948, R. Thorne 7996 (GA). Camden Co.: 4 Jul 1988, R. Carter 6930 (VSC); 18 Apr 1997, R. Carter 14006 (VSC); 29 Apr 2006, R. Carter 16531 (VSC); 30 Apr 2006, R. Carter 16594 (VSC); 20 May 2006, R. Carter 16698 (VSC); R. Carter 16714 (VSC). Charlton Co.: 14 Apr 1940, W. Duncan 1973 (GA). Chatham Co.: 28 Apr 1940, W. Duncan 2179 (GA). Clarke Co.: 17 May 1930, J. Reade s.n. (GA). Cobb Co.: 12 Aug 1941, W. Duncan 3900 (GA); 2 May 1952, W. Duncan 13483 (GA). Coffee Co.: 15 May 1966, D. Blake 1356 (GA). Colquitt Co.: 25 May 1996, R. Carter 12933 (VSC); 20 Jun 2013, R. Carter 21078 (VSC). Columbia Co.: 28 Apr 1982, A. Tate s.n. (GA). Dawson Co.: 8 May 2001, L. Kruse 28126 (GA); 10 Jun 2001, L. Kruse 01-221 (GA). Decatur Co.: 11 May 2001, R. Kral 91068 (VSC). DeKalb Co.: 9 May 1995, M. Moore 2094 (GA). Dougherty Co.: 7 May 2010, R. Carter 19761 (GA, VSC). Early Co.: 25 Apr 1947, R. Thorne 3349 (GA); 30 Mar 1986, R. Carter 4703 (VSC). Elbert Co.: 5 May 1977, N. Coile 733 (GA). Fannin Co.: 27 Jun 1983, N. Coile 3701 (GA). Floyd Co.: 10 May 1938, H. Jones 505 (GA). Forsyth Co.: 24 Apr 1955, W. Duncan 18488 (GAS). Forsyth Co.: (GA). Fulton Co.: 24 Apr 1949, W. Duncan 9356 (GA). Glascock Co.: 22 Jul 2017, P. Lowe 29 (VSC). Gordon Co.: 29 Apr 1998, C. Howel 2123 (GA). Grady Co.: 20 Mar 1938, J. Pyron 2202 (GA); 9 Apr 1966, W. Faircloth 3072 (GA, VSC); 6 May 2001, R. Kral 91055 (VSC); 23 Apr 2010, R. Carter 19682 (GA, VSC). Gwinnett Co.: 2 May 1992, J. Seward 1105 (GA). Habersham Co.: 8 May 1996, W. Noel 960508-4 (GA); 15 Apr 2000, P. Hyatt 9086 (GA). Hall Co.: 14 May 1955, W. Duncan 18695 (GA). Haralson Co.: 28 Apr 1979, R. Kral 63446 (VSC). Harris Co.: 17 Jul 1998, Crook 509 (GA); 21 Apr 1999, Sweeney 420 (GA). Houston Co.: 10 Jul 2010, P. Lynch 1230 (GA). Jasper Co.: 18 Apr 2010, C. Graham 28 (GA). Jefferson Co.: 15 May 1970, G. Gibbs 92 (GA). Jenkins Co.: 7 May 1970, G. Gibbs 40 (GA). Johnson Co.: 27 May 1994, J. Harrison 136 (GA). Jones Co.: 2 May 1996, T. Govus 715 (GA). Long Co.: 2 Jun 1992, Unknown 330 (GAS). Long Co.: T. Zebryk 330 (GA, VSC); 3 May 2000, H. Holland 512 (GA). Lowndes Co.: 13 Apr 1979, W. Faircloth 8204 (GA-2, VSC); 8 Apr 1986, R. Carter 4724 (VSC). Lumpkin Co.: 18 May 2001, L. Kruse 01-163 (VSC); L. Kruse 01-163 (GA). Macon Co.: 6 May 1967, R. Lane 615 (GA); 4 May 2013, W. Zomlefer 3042 (GA); 28 Jun 2013, W. Zomlefer 3150 (GA). McIntosh Co.: 11 Apr 1963, J. Bozeman 2634 (GA). Mitchell Co.: 15 Jul 1966, W. Faircloth 3501 (GA, VSC). Morgan Co.: 23 Apr 1978, J. Hill 371 (GA). Murray Co.: 30 May 2000, J. Moore 273 (GA); 1 Jul 2001, J. Moore 781 (GA). Pulaski Co.: 5 Apr 1968, R. Lane 2111 (GA). Quitman Co.: 29 Apr 2004, R. Kral 95035 (VSC). Rabun Co.: 3 Jul 1975, D. Michener 1361 (GA-2); 11 Jul 1996, B. Stiles 1049 (GA). Spalding Co.: 4/29/1899, M. Riegel s.n. (GA). Sumter Co.: 6 May 1990, R. Norris 6022 (GA); 19 May 2009, P. Rothrock 4855 (VSC). Thomas Co.: 14 Apr 1966, W. Faircloth 3090 (GA, VSC); 26 Apr 2010, R. Carter 19715 (GA, VSC); R. Carter 19717 (GA, VSC); R. Carter 19718 (GA, VSC). Toombs Co.: 21 Apr 1962, T. Pullen s.n. (GA). Towns Co.: 10 Jun 1941, W. Duncan 3330 (GA). Twiggs Co.: 11 Apr 2009, P. Lynch 208 (GA); 18 Jul 2009, P. Lynch 423 (GA); 14 Apr 2010, P. Lynch 963 (GA). Union Co.: 21 Jun 1994, T. Govus 669 (GA). Upson Co.: 9 Sep 1947, A. Cronquist 4689 (GA). Wheeler Co.: 23 Apr 1988, R. Carter 6536 (VSC). Whitfield Co.: 2 Jul 2012, R. Carter 20444 (VSC). Wilkinson Co.: 13 Jun 1972, W. Duncan 23764 (GA).

Carex jorii

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 19 Jun 1951, *W. Duncan 12587* (GA); 14 Jul 1951, *W. Duncan 12782* (GA). **Ben Hill Co.:** 13 Aug 1987, *R. Carter 6093* (VSC); *R. Carter 6094* (VSC). **Bibb Co.:** 9 Sep 2002, *L. Gaddy s.n.* (GA). **Bryan Co.:** 4 Aug 1992, *R. Carter 10268* (GAS); *R. Carter 10269* (GAS). **Bryan Co.:** *R. Carter 10268* (GA); *R. Carter 10269* (VSC). **Camden Co.:** 20 Jul 2006, *R. Carter 17020* (VSC). **Charlton Co.:** *R. Carter 17027* (VSC). **Decatur Co.:** 14 Aug 2009, *R. Carter 19378* (GA, VSC). **Early Co.:** 16 Sep 1947, *R. Thorne 6677* (GA). **Grady Co.:** 18 Jul 2002, *R. Kral 92944* (VSC). **Irwin Co.:** 25 Jul 2009, *B. Sanderson 406* (VSC). **Lee Co.:** 21 Aug 1948, *R. Thorne 8328* (GA). **Long Co.:** 10 Sep 1946, *W. Duncan 7111* (GA); 25 Jul 1999, *H. Holland 146* (GA); 14 Jul 2006, *R. Carter 16973* (VSC). **Lowndes Co.:** 6 Sep 1967, *R. Norris 953* (VSC). **Pierce Co.:** 8/18/1899, *A. Pieters 504* (GA). **Randolph Co.:** 18 Aug 1948, *R. Thorne 8123* (GA). **Taylor Co.:** 13 Sep 2003, *L. Krueger 144* (GA). **Twiggs Co.:** 25 Nov 2008, *P. Lynch 64* (GA).

Carex kraliana

NORTH AMERICA. UNITED STATES GEORGIA. Hall Co.: 15 Jun 1955, *W. Duncan 18823* (GA). **Houston Co.:** 4 Sep 2010, *P. Lynch s.n.* (GA); 11 Sep 2010, (GA); 25 Sep 2010, (GA); 9 Jul 2011, (GA); 11 Jul 2011, (GA). **Stephens Co.:** 3 May 1991, *R. Naczi 2854* (GA).

Carex laevivaginata

NORTH AMERICA. UNITED STATES GEORGIA. Clarke Co.: 15 Apr 1911, *J. Reade s.n.* (GA); 3 May 1947, *A. Cronquist 4380* (GA). **Columbia Co.:** 23 Apr 2006, *J. Williams s.n.* (VSC). **Early Co.:** 10 Apr 1947, *R. Thorne 2927* (GA). **Elbert Co.:** 5 May 1977, *N. Coile 746* (GA); 13 Jun 1978, *C. Douglass 1460* (GA). **Gordon Co.:** 17 May 2009, *P. Rothrock 4833* (VSC). **Gwinnett Co.:** 2 May 1992, *J. Seward 1114* (GA). **Habersham Co.:** 29 May 2000, *T. Govus 1164* (GA). **Hall Co.:** 2 May 2005, *P. Hyatt 11840* (GA). **Jasper Co.:** 8 Apr 2012, *S. Sewell 85* (GA). **Jeff Davis Co.:** 12 Apr 1940, *W. Duncan 1944* (GA). **Monroe Co.:** 20 May 1988, *C. Howel 1386* (GA). **Morgan Co.:** 18 May 1980, *J. Hill 1353* (GA). **Walton Co.:** 16 May 1948, *A. Cronquist 5223* (GA).

Carex laxiculmis

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 17 Apr 1948, *W. Duncan 8024* (GA); May 4, 1880, *R. Kral 64918* (VSC). **Dawson Co.:** 5 May 1980, *R. Kral 64941* (VSC); 8 May 2002, *L. Kruse 02-123* (GA). **Habersham Co.:** 18 Apr 1982, *J. Manhart 217* (GA). **Hall Co.:** 23 Apr 2005, *P. Hyatt 11819* (GA); 7 May 2005, *P. Hyatt 11848* (GA). **Lumpkin Co.:** 19 Jun 2001, *L. Kruse 01-272b* (GA). **Rabun Co.:** 20 Sep 2003, *P. Hyatt 11490* (GA). **Walker Co.:** 19 Aug 1981, *N. Coile 2392* (GA).

Carex laxiflora

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 17 Apr 1948, *W. Duncan 7972* (GA). **Bibb Co.:** 1 Apr 2003, *L. Gaddy s.n.* (GA). **Clarke Co.:** 20 Apr 1929, *J. Reade E8652* (GAS). **Clarke Co.:** *J. Reade s.n.* (VSC); 13 Sep 1938, *W. Duncan 1076B* (GA); 3 May 1947, *A. Cronquist 4387* (GA); 26 Mar 1981, *J. Manhart 205* (VSC). **Clay Co.:** 12 Apr 1947, *R. Thorne 2988* (GA); 25 Mar 2002, *R. Kral 92203* (VSC). **Cobb Co.:** 2 May 2007, *W. Zomlefer 1591* (GA). **Columbia Co.:** 10 Apr 1938, *J. Pyron 2518* (GA). **Dade Co.:** 8 May 1948, *A. Cronquist 5162* (GA); 12 Jun 1981, *J. Manhart 362* (GA). **Dawson Co.:** 1 May 1955, *W. Duncan 18535* (GA); 8 Apr 2001, *L. Kruse 42765* (GA); 21 Apr 2002, *L. Kruse 31444* (GA). **Decatur Co.:** 13 Apr 1982, *J. Manhart 403* (GA). **DeKalb Co.:** 8 May 1937, *R. McVaugh 1606* (GA); *R. McVaugh 1607* (GA); 14 May 1996, *M. Moore 2507* (GA). **Elbert Co.:** 30 Apr 1947, *W. Duncan 7481* (GA); 25 Apr 1949, *W. Duncan 9412* (GA); 11 Apr 1977, *N. Coile 493* (GA); 25 Apr 1981, *J. Manhart 233* (GA). **Forsyth Co.:** 4 Jul 1955, *W. Duncan 19075* (GA). **Gilmer Co.:** 7 Jun 1982, *N. Coile 2838* (GA). **Gordon Co.:** 18 Apr 2000, *C. Gomez 2345* (GA). **Gwinnett Co.:** 23 May 1992, *J. Seward 1225* (GA). **Habersham Co.:** 18 Apr 1981, *J. Manhart 219* (GA). **Hall Co.:** 7 May 1955, *W. Duncan 18552* (GA). **Harris Co.:** 25 Apr 1971, *S. Jones 20664* (GA). **Houston Co.:** 10 Apr 2005, *L. Echols 80* (GA, VSC). **Lumpkin Co.:** 19 Jun 2001, *L. Kruse 01-298* (GA); 3 Jul 2001, *L. Kruse 01-370* (GA); 10 Jul 2001, *L. Kruse 01-415* (GA, VSC). **Morgan Co.:** 18 May 1980, *J. Hill 1346* (GA); 10 Apr 1991, *J. Seward 218* (GA); 17 May 1991, *J. Seward 342* (GA). **Murray Co.:** 1 Apr 2000, *J. Moore 67* (GA). **Rabun Co.:** 17 Apr 1949, *W. Duncan 9343* (GA); 23 May 1970, *W. Duncan 23407* (GA); 14 May 1983, *N. Manhart 105* (GA); 28 May 1983, *J. Manhart 606* (GA); 7 May 1996, *A. Chesson 915* (GA). **Randolph Co.:** 16 Apr 1947, *R. Thorne 3121* (GA). **Screven Co.:** 7 Apr 1967, *J. Stephens 42* (GAS). **Spalding Co.:** 4/15/1899, *M. Riegel 133* (GA). **Stephens Co.:** 18 Apr 1981, *J. Manhart 208* (GA-2); 9 Jun 1984, *J. Rettig 1011* (GA); 18 May 1995, *J. Cruse 760* (GA). **Upson Co.:** 26 Apr 1947, *A. Cronquist 4329* (GA). **Walker Co.:** 1 May 1982, *J. Manhart 443* (GA); 1 May 2013, *A. Prater s.n.* (GA). **Walton Co.:** 27 Apr 1980, *J. Manhart 34* (GA). **White Co.:** 14 Apr 1949, *W. Duncan 9269* (GA).

Carex leavenworthii

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 17 Apr 1948, *W. Duncan 7985* (GA); 18 May 1951, *W. Duncan 12403* (GA). **Bibb Co.:** 17 May 1968, *R. Lane 2526* (GA); 4 Apr 2003, *J. Nelson 23653* (GA). **Burke Co.:** 7 May 1970, *G. Gibbs 68* (GA). **Chatham Co.:** 20 Apr 2012, *W. Zomlefer 2549* (GA); 24 May 2012, *W. Zomlefer 2644* (GA). **Clarke Co.:** 6 May 1937, *J. Pyron 1614* (GA). **Dade Co.:** 22 May 1901, *A. Curtiss 6794* (GA). **Greene Co.:** 9 May 1992, *J. Seward 1151* (GA). **Haralson Co.:** 4 Apr 2000, *P. Hyatt 9043* (GA). **Harris Co.:** 8 Apr 1949, *W. Duncan 9234* (GA); 21 Apr 1999, *Sweeney 388* (GA). **Jasper Co.:** 27 Apr 2013, *S. Sewell 1351* (GA); 10 May 2013, *S. Sewell 1379* (GA, VSC). **Murray Co.:** 16 May 2009, *P. Rothrock 4821* (VSC). **Oconee Co.:** 7 May 2003, *P. Hyatt 11444* (GA). **Walker Co.:** 5 May 1984, *N. Coile 4010* (GA).

Carex leptalea

NORTH AMERICA. UNITED STATES GEORGIA. **Carroll Co.:** 11 May 1972, *R. Lampton s.n.* (GAS). **Carroll Co.:** (VSC). **Clarke Co.:** 25 Apr 1911, *J. Reade s.n.* (GA); 27 Apr 1936, *J. Whitney s.n.* (GA). **Clay Co.:** 30 Apr 1987, *M. Garland 543* (GA). **Cobb Co.:** 2 May 1952, *W. Duncan 13482* (GA). **Dawson Co.:** 30 Jun 2001, *L. Kruse 01-337* (GA, VSC); 21 Apr 2002, *L. Kruse 29983* (GA). **Early Co.:** 12 Apr 1947, *R. Thorne 2967* (GA). **Floyd Co.:** 29 Jun 2010, *L. Chafin s.n.* (GA). **Gilmer Co.:** 21 Jun 2000, *T. Govus 1182* (GA). **Grady Co.:** 7 Aug 1987, *R. Carter 6014* (GA, VSC); 9 Apr 1988, *R. Carter 6473* (VSC). **Gwinnett Co.:** 16 May 1992, *J. Seward 1184* (GA). **Hall Co.:** 17 Jun 1955, *W. Duncan 18880* (GA). **Haralson Co.:** 26 Apr 1986, *N. Coile 4604* (GA). **Harris Co.:** 22 Apr 1999, *Sweeney 442* (GA); 23 Apr 1999, *Sweeney 497* (GA); 25 Apr 2000, *Sweeney 818* (GA). **Lee Co.:** 30 Apr 1947, *R. Thorne 3568* (GA). **Macon Co.:** 19 May 1992, *R. Norris 6452* (GA); 4 May 2013, *W. Zomlefer 3017* (GA); *W. Zomlefer 3040* (GA). **Meriwether Co.:** 22 Apr 1950, *W. Duncan 10784* (GA). **Morgan Co.:** 3 May 1950, *W. Duncan 10827b* (GA); 22 Apr 1979, *J. Hill 842* (GA). **Randolph Co.:** 31 Mar 1948, *S. Smith 3693* (GA). **Rockdale Co.:** 15 Jul 2012, *J. Allison 14161* (GA). **Taylor Co.:** 14 May 1988, *R. Carter 6591* (VSC). **Upson Co.:** 19 May 1973, *S. Jones 22447* (GA).

Carex lonchocarpa

NORTH AMERICA. UNITED STATES GEORGIA. **Berrien Co.:** 6 May 1988, *H. Brasell 391* (VSC); 21 May 1988, *R. Carter 6627* (VSC-3). **Bryan Co.:** 18 Jun 1992, *R. Carter 9843* (GA, VSC); 1 Jul 1992, *R. Carter 10015* (GA, VSC). **Bulloch Co.:** 30 Apr 1964, *D. Varnedoe 131* (GAS). **Bulloch Co.:** 5 Jul 1936, *J. Pyron 645* (GA). **Camden Co.:** 29 Apr 2006, *R. Carter 16535* (VSC); 20 May 2006, *R. Carter 16711* (VSC). **Chatham Co.:** 20 Apr 2012, *W. Zomlefer 2597* (GA); 13 Jun 2012, *W. Zomlefer 2754* (GA). **Colquitt Co.:** 20 Jun 2013, *R. Carter 21079* (VSC). **Cook Co.:** 22 May 1992, *V. McNeilus 92-286* (GA). **Emanuel Co.:** 7 May 1970, *G. Gibbs 54* (GA); *G. Gibbs 55* (GA). **Irwin Co.:** 2 May 1970, *G. Gibbs 32* (GA). **Macon Co.:** 3 Jun 1988, *R. Norris 5527* (GA); 28 Jun 2013, *W. Zomlefer 3151* (GA). **Marion Co.:** 12 Aug 2002, *R. Kral 93074* (VSC). **McIntosh Co.:** 31 Mar 2008, *T. Govus 1528* (GA). **Mitchell Co.:** 20 Apr 1970, *W. Faircloth 6597* (GA, VSC). **Muscogee Co.:** 5 Jul 1980, *J. Stutts 514* (GA). **Peach Co.:** 25 Apr 1967, *R. Lane 559* (GA-2). **Screven Co.:** 21 Apr 1970, *G. Gibbs 5* (GA). **Taylor Co.:** 13 Jun 1968, *R. Lane 2796* (GA); 14 May 1988, *R. Carter 6588* (VSC-3). **Telfair Co.:** 12 Apr 1940, *W. Duncan 1938* (GA). **Tift Co.:** 13 May 1970, *W. Faircloth 6688* (VSC). **Turner Co.:** 6 May 1967, *W. Faircloth 4339* (GA, VSC). **Unknown Co.:** 6 May 1959, *M. Mellinger 1344* (GAS). **Wayne Co.:** 21 Jul 1993, *K. Tassin s.n.* (GA). **Webster Co.:** 29 Mar 1949, *R. Thorne 9345* (GA).

Carex longii

NORTH AMERICA. UNITED STATES GEORGIA. **Ben Hill Co.:** 2 May 1970, *G. Gibbs 13* (GA). **Bibb Co.:** 17 May 1968, *R. Lane 2581* (GA). **Brantley Co.:** 4 Jul 1988, *R. Carter 6958* (VSC). **Bulloch Co.:** 28 Apr 1959, *W. Palmer 109* (GAS); 5 May 1986, *J. Love 59* (GAS); *K. Rahn 59* (GAS); *M. Toole 225* (GAS); *P. Quattlebaum 59* (GAS); *T. Fox 59* (GAS). **Bulloch Co.:** 20 May 1952, *W. Mann s.n.* (GA). **Burke Co.:** 7 May 1970, *G. Gibbs 81* (GA); 15 May 1970, *G. Gibbs 104* (GA). **Calhoun Co.:** 19 May 2009, *P. Rothrock 4869* (VSC). **Camden Co.:** 4 Jul 1988, *R. Carter 6931* (VSC); 26 Apr 2004, *D. Giannasi 733* (GA); 16 Jun 2004, *D. Giannasi 989* (GA); 8 Apr 2006, *R. Carter 16466* (VSC); 29 Apr 2006, *R. Carter 16521* (VSC); 29 May 2006, *R. Carter 16738* (VSC); 17 Jun 2007, *R. Carter 17632* (VSC). **Chatham Co.:** 28 Apr 1940, *W. Duncan 2178* (GA); 8 Jul 1958, *W. Duncan 20821* (GA); 9 Apr 1998, *T. Govus 965* (GA). **Chattahoochee Co.:** 8 Oct 2001, *M. Waters 288* (VSC). **Coffee Co.:** 15 May 1966, *D. Blake 1354* (GA). **Colquitt Co.:** 6 Sep 1967, *W. Faircloth 4836* (GA); 20 Jun 2013, *R. Carter 21034* (VSC). **Columbia Co.:** 27 May 1950, *W. Duncan 10939* (GA). **Cook Co.:** 26 Jun 1988, *R. Carter 6817* (VSC-2). **Decatur Co.:** 7 Sep 1955, *R. Thorne 17185* (GA); 18 Jun 2010, *R. Carter 19824* (GA, VSC). **Dougherty Co.:** 28 Jun 1947, *R. Thorne 4999* (GA). **Early Co.:** 4 Jun 1970, *G. Gibbs 108* (GA). **Echols Co.:** 21 Jun 1970, *W. Faircloth 6745* (GA); 9 Jul 1991, *R. Carter 8800* (VSC). **Elbert Co.:** 21 May 1978, *N. Coile 1803* (GA). **Emanuel Co.:** 7 May 1970, *G. Gibbs 53* (GA). **Evans Co.:** 16 Jun 1992, *R. Carter 9753* (VSC). **Glynn Co.:** 3 Sep 1948, *R. Thorne 8873* (GA); 1 May 2005, *J. Schmidt s.n.* (GA). **Grady Co.:** 8 May 1964, *W. Faircloth 940* (GA); 6 May 2006, *R. Kral 97331* (VSC); 3 Jun 2006, *P. Hyatt 12006* (GA). **Greene Co.:** 9 May 1992, *J. Seward 1131* (GA). **Gwinnett Co.:** 13 May 2006, *P. Hyatt 11972* (GA). **Harris Co.:** 18 May 1971, *S. Jones 20806* (GA); 21 Apr 1999, *Sweeney 434* (GA); 22 Apr 1999, *Sweeney 444* (GA). **Jasper Co.:** 25 May 2012, *S. Sewell 311* (GA); 28 Jul 2012, *S. Sewell 592* (GA, VSC). **Jenkins Co.:** 21 Apr 1970, *G. Gibbs 7* (GA). **Lanier Co.:** 30 Jul 1965, *W. Faircloth 2554* (GA); 28 Aug 1994, *J. Lusk 256* (VSC). **Liberty Co.:** 11 Jun 1984, *S. Jones 24111* (GA); 26 Oct 1985, *M. Moore 599* (GA). **Long Co.:** 23 Sep 1998, *H. Holland 19* (GA). **Lowndes Co.:** 20 Apr 1966, *W. Faircloth 3114* (GAS). **Lowndes Co.:** 19 May 1966, *W. Faircloth 3212* (GA); 21 Aug 1967, *W. Faircloth 4712* (GA); 2 May 1970, *G. Gibbs 30* (GA); *G. Gibbs 31* (GA); 3 May 1988, *R. Carter 6555* (VSC); 28 May 1994, *J. Lusk 24* (VSC); 12 Jun 1994, *J. Lusk 78* (VSC). **Macon Co.:** 26 Apr 2010, *J. Kichler s.n.* (VSC). **McDuffie Co.:** 28 Apr 2001, *P. Hyatt 10167* (GA). **McIntosh Co.:** 7 May 1954, *W. Duncan 17850* (GA); 12 Mar 1959, *W. Harmer 605* (GA); 24 Apr 2000, *A. Beckman 564* (GA). **Meriwether Co.:** 16 May 1972, *S. Jones 21808* (GA). **Miller Co.:** 3 Jun 1947, *R. Thorne 4394* (GA). **Peach Co.:** 25 Apr 1967, *R. Lane 577* (GA). **Pickens Co.:** 22 Mar 2005, *M. Czarnota s.n.* (VSC). **Pulaski Co.:** 5 Apr 1968, *R. Lane 2100* (GA). **Rockdale Co.:** 15 May 2003, *P. Hyatt 11460* (GA). **Screven Co.:** 26 Apr 1940, *W. Duncan 2115* (GA). **Sumter Co.:** 31 May 1990, *R. Norris 6057* (GA); 19 May 2009, *P. Rothrock 4856* (GA). **Thomas Co.:** 4 Apr 1964, *W. Faircloth 796* (GA); 28 Apr 1980, *R. Godfrey 77730* (GA); 28 Sep 1991, *R. Carter 9337* (VSC); 26 Apr 2010, *R. Carter 19725* (GA, VSC). **Ware Co.:** 18 Aug 1988, *R. Carter 7313* (VSC). **Wilcox Co.:** 21 Apr 1968, *R. Lane 2244* (GA).

Carex louisianica

NORTH AMERICA. UNITED STATES GEORGIA. **Ben Hill Co.:** 19 Jul 1967, *W. Faircloth 4657* (GA); 19 Aug 1967, (VSC); 13 Aug 1987, *R. Carter 6096* (VSC); 23 Apr 1988, *R. Carter 6509* (VSC-2). **Bibb Co.:** 23 Jul 2002, *J. Nelson 22945* (GA); 25 Jul 2008, *W. Zomlefer 2251* (GA). **Bryan Co.:** 30 Jun 1992, *R. Carter 10012* (GAS). **Bryan Co.:** 18 Jun 1992, *R. Carter 9851a* (VSC); 30 Jun 1992, *R. Carter 10012* (GA, VSC). **Bulloch Co.:** 26 Jul 1965, *C. Roach s.n.* (GAS); *Fordham s.n.* (GAS); 11 May 1966, *D. Horne 159* (GAS); *H. Wright 171* (GAS); *J. Walters 228* (GAS); *L. Pafford 207* (GAS); *R. Park s.n.* (GAS). **Camden Co.:** 10 Mar 1965, *J. Havron s.n.* (VSC); 30 Apr 2006, *R. Carter 16587* (VSC). **Charlton Co.:** 20 Jul 2006, *R. Carter 17038* (VSC). **Chatham Co.:** 9 Jun 1958, *W. Duncan 20861* (GAS). **Chatham Co.:** 8 Aug 1958, *W. Duncan 21484* (GA-2); 23 Mar 2012, *W. Zomlefer 2528* (GA); 12 Jun 2012, *W. Zomlefer 2716* (GA); *W. Zomlefer 2725* (GA); 13 Jun 2012, *W. Zomlefer 2755* (GA); *W. Zomlefer 2756* (GA). **Coffee Co.:** 25 Apr 1987, *K. Davis 15* (VSC). **Crisp Co.:** 11 May 1969, *P. House s.n.* (VSC). **Decatur Co.:** 19 Aug 1965, *W. Faircloth 2767* (GA, VSC); 26 Apr 1986, *D. James 10* (GA, VSC); 11 May 2001, *R. Kral 91069* (VSC). **Early Co.:** 25 Apr 1947, *R. Thorne 3357* (GA). **Elbert Co.:** 13 May 1947, *W. Duncan 7537a* (GA). **Glynn Co.:** 3 Aug 1993, *C. Nordman s.n.* (GA). **Grady Co.:** 23 Apr 2010, *R. Carter 19683* (GA, VSC). **Lee Co.:** 22 Aug 1948, *R. Thorne 8428* (GA). **Macon Co.:** 4 May 2013, *W. Zomlefer 3043* (GA); *W. Zomlefer 3044* (GA). **McIntosh Co.:** 1 Jun 1963, *J. Bozeman 2975* (GAS). **McIntosh Co.:** 7 Oct 1962, *J. Bozeman 2271* (GA). **Meriwether Co.:** 17 May 1974, *W. Faircloth 7632* (VSC). **Screven Co.:** 26 Jul 1965, *W. Tanner 235* (GAS). **Talbot Co.:** 4 Jun 1970, *G. Gibbs 120* (GA). **Unknown Co.:** 27 Apr 1959, *M. Mellinger 888* (GAS); 10 May 1959, *M. Mellinger 905* (GAS). **Whitfield Co.:** 2 Jul 2012, *R. Carter 20440* (VSC). **Wilcox Co.:** 21 Apr 1968, *R. Lane 2246* (GA); 22 Apr 1989, *W. George s.n.* (GA, VSC).

Carex lucorum

NORTH AMERICA. UNITED STATES GEORGIA. **Lumpkin Co.:** 13 May 1986, *J. Rettig 1587* (GA); 20 Apr 2001, *L. Kruse 16072* (GA); 19 Apr 2003, *L. Kruse 42800* (GA); 24 Jun 2005, *P. Hyatt 11948* (GA). **Murray Co.:** 18 Mar 2000, *J. Moore 33* (GA); 1 Apr 2000, *J. Moore 54* (GA); 10 May 2001, *J. Moore 680* (GA-2). **Rabun Co.:** 12 May 1986, *J. Rettig 1570* (GA); 11 May 1987, *L. Gaddy s.n.* (GA); 20 May 1995, *Milsted 90* (GA); 18 Apr 2000, *P. Hyatt 9122* (GA). **Towns Co.:** 12 May 1986, *J. Rettig 1572* (GA); *J. Rettig 1573* (GA); 1 May 1987, *L. Chafin 516* (GA, VSC); 3 Jun 2006, *P. Hyatt 12002* (GA). **Union Co.:** 14 Jun 1984, *J. Rettig 1061* (GA); 12 May 1986, *J. Rettig 1579* (GA); 13 May 1986, *J. Rettig 1585* (GA). **White Co.:** 12 May 1986, *J. Rettig 1575* (GAS). **White Co.:** *J. Rettig 1574* (GA); *J. Rettig 1575* (GA).

Carex lupuliformis

NORTH AMERICA. UNITED STATES GEORGIA. **Chatham Co.:** 19 May 1958, *M. Mellinger 1156* (GAS). **Dodge Co.:** 6 Jul 1966, *J. Bozeman 5391* (GAS). **Lowndes Co.:** 28 May 1994, *J. Lusk 106* (VSC).

Carex lupulina

NORTH AMERICA. UNITED STATES GEORGIA. **Baker Co.:** 20 May 1947, *R. Thorne 4027* (GA). **Ben Hill Co.:** 4 May 1968, *W. Faircloth 5165* (VSC); 2 May 1970, *G. Gibbs 11* (GA). **Bibb Co.:** 23 Jul 2002, *J. Nelson 22951* (GA); 29 Jun 2003, *L. Gaddy s.n.* (GA); 27 May 2008, *W. Zomlefer 2121* (GA). **Bryan Co.:** 18 Jun 1992, *R. Carter 9844* (GA, VSC); 1 Jul 1992, *R. Carter 10036* (GA, VSC); 14 Jul 1992, *R. Carter 10138* (VSC). **Butts Co.:** 25 May 1987, *C. Howel 330* (GA). **Camden Co.:** 30 Apr 2006, *R. Carter 16595* (VSC); 20 May 2006, *R. Carter 16713* (VSC); 26 Jun 2006, *W. Zomlefer 1032* (GA); 28 Apr 2007, *R. Carter 17518* (VSC). **Charlton Co.:** 8 Jun 2006, *R. Carter 16753* (VSC). **Chatham Co.:** 16 May 1958, *M. M. s.n.* (GAS); 18 Jun 1958, *M. Mellinger s.n.* (GAS). **Chatham Co.:** (GA); 31 Jul 1958, (GA); 20 Apr 2012, *W. Zomlefer 2612* (GA); 12 Jun 2012, *W. Zomlefer 2726* (GA). **Chattooga Co.:** 16 Jul 1951, *W. Duncan 12863* (GA). **Clarke Co.:** 18 Oct 1938, *W. Duncan 1160* (GA); 24 Aug 1999, *R. Liebermann 99-8600-026* (GA); 28 Aug 2001, *K. Franci 59* (GA); *M. Waters 59* (VSC); 10 Jun 2009, *P. Lynch 33* (VSC); *P. Lynch 33 [-2009]* (GA); 10 Sep 2015, *S. Sewell 1597* (GA). **Cobb Co.:** 22 Sep 2001, *J. Cruse-Sanders 142* (GA); 2 May 2007, *W. Zomlefer 1532* (GA). **Columbia Co.:** 15 May 2006, *J. Williams s.n.* (VSC). **Decatur Co.:** 18 Jun 2010, *R. Carter 19820* (GA, VSC). **Dougherty Co.:** 10 Jul 1947, *R. Thorne 5332* (GA); 7 Aug 2007, *R. Carter 17943* (VSC). **Elbert Co.:** 19 May 1977, *N. Coile 851* (GA). **Fulton Co.:** 7 Jun 1947, *Venard 370* (GA). **Glynn Co.:** 26 Aug 1988, *R. Carter 7427* (GA, VSC); 3 Aug 1993, *K. Tassin s.n.* (GA). **Gordon Co.:** 30 Apr 1966, *J. Norsworthy 405* (VSC). **Gwinnett Co.:** 24 Jun 2006, *P. Hyatt 12039* (GA). **Lee Co.:** 30 Apr 1947, *R. Thorne 3569* (GA). **Lowndes Co.:** 25 May 1993, *J. Lusk 15* (GA, VSC). **Macon Co.:** 6 May 1967, *R. Lane 618* (GA); 13 Jun 1968, *R. Lane 2811* (GA). **Marion Co.:** 4 Jun 1970, *G. Gibbs 115* (GA). **McIntosh Co.:** 22 Apr 1959, *W. Harmer 534* (GA); 29 Apr 1960, *W. Harmer 1035* (GA); 26 May 1960, *W. Harmer 1067* (GA); 31 Jul 1997, *T. Govus 859* (GA). **Meriwether Co.:** 13 Jul 1971, *S. Jones 20900* (GA). **Mitchell Co.:** 9 May 2011, *R. Carter 20211* (GA, VSC). **Montgomery Co.:** 26 Jun 1975, *R. Kral s.n.* (GA). **Morgan Co.:** 19 May 1968, *S. Jones 15434* (GA); 18 Jun 1978, *J. Hill 513* (GA). **Muscogee Co.:** 31 Aug 1980, *J. Stutts 678* (GA). **Oconee Co.:** 31 May 1992, *J. Seward 1234* (GA). **Oglethorpe Co.:** 30 Jun 1966, *F. Montgomery 626* (GA); *F. Montgomery 627* (GA). **Pike Co.:** 20 May 2009, *W. Hutchinson s.n.* (VSC). **Screven Co.:** 20 May 1975, *T. Scott 432* (GAS); 23 May 1979, *D. Drapalik 3607* (GAS-4); *T. Wilkins 93* (GAS). **Screven Co.:** 20 May 1975, *R. Bow 181* (GA). **Upson Co.:** 10 Jul 1988, *R. Carter 6993* (GA, VSC). **Ware Co.:** 21 May 1977, *R. Holloman s.n.* (VSC). **Whitfield Co.:** 18 May 1968, *W. Duncan 23133* (GA); 2 Jul 2012, *R. Carter 20454* (VSC). **Wilkes Co.:** 18 Jul 1950, *W. Duncan 11413* (GA); 24 May 1970, *C. Fitzgerald 273* (GA). **Worth Co.:** 25 Aug 1947, *R. Thorne 6327* (GA).

Carex lurida

NORTH AMERICA. UNITED STATES GEORGIA. **Baldwin Co.:** 6 May 1939, *W. Duncan 1352* (GA). **Barrow Co.:** 5 Jul 1992, *J. Seward 1381* (GA); 11 May 2004, *P. Hyatt 11449* (VSC). **Bartow Co.:** 5 Jun 1948, *W. Duncan 8262* (GA). **Bibb Co.:** 17 May 1968, *R. Lane 2503* (GA); 25 Mar 1987, *J. Shepherd 4123* (GA); 24 Jul 2002, *J. Nelson 23008* (GA). **Bleckley Co.:** 29 May 2009, *P. Lynch 309* (GA); 19 Jul 2010, *P. Lynch 1241* (GA). **Bryan**

Co.: 14 Jul 1992, *R. Carter 10136* (GA, VSC). **Burke Co.:** 7 May 1970, *G. Gibbs 64* (GA). **Butts Co.:** 7 May 1988, *C. Howel 1325* (GA). **Calhoun Co.:** 24 May 1947, *R. Thorne 4136* (GA). **Camden Co.:** 29 Apr 2006, *R. Carter 16534* (VSC). **Chatham Co.:** 18 Jun 1958, *M. Mellinger 2300* (GAS); *M. Mellinger 900* (GAS); 13 May 1959, *M. Mellinger 896* (GAS). **Chatham Co.:** 18 Jun 1958, *M. Mellinger 16* (GA); *M. Mellinger s.n.* (GA); 31 Jul 1958, *M. Mellinger 9* (VSC); 20 Jul 1979, *J. Bozeman s.n.* (GA); 12 Jun 2012, *W. Zomlefer 2704* (GA). **Cherokee Co.:** 18 May 1984, *N. Coile 4060* (GA). **Clarke Co.:** 1 May 1935, *J. Whitney E8483* (GAS). **Clarke Co.:** 3 May 1947, *A. Cronquist 4383* (GA); 16 Jun 2012, *S. Sewell 470* (GA). **Cobb Co.:** 28 Apr 2006, *D. Giannasi 1941* (GA); 13 Jun 2006, *W. Zomlefer 1008* (GA); *W. Zomlefer 1011* (GA); 2 May 2007, *W. Zomlefer 1533* (GA); *W. Zomlefer 1540* (GA). **Colquitt Co.:** 25 May 1996, *R. Carter 12935* (GA, VSC); 20 Jun 2013, *R. Carter 21024* (VSC). **Columbia Co.:** 26 Apr 1982, *A. Tate s.n.* (GA); 15 May 2006, *J. Williams s.n.* (VSC). **Dawson Co.:** 28 Jul 1955, *W. Duncan 19256* (GA); 10 May 2001, *L. Kruse 01-121* (GA); 10 Jun 2001, *L. Kruse 01-222* (GA). **Decatur Co.:** 19 Jun 1947, *R. Thorne 4789* (GA); 20 May 1967, *W. Faircloth 4467* (GA, VSC). **DeKalb Co.:** 9 May 1995, *M. Moore 2096* (GA); 20 Jun 1995, *M. Moore 2237* (GA); 15 May 2012, *B. Wichmann 2027* (GA); *S. Sewell 222* (GA). **Dooly Co.:** 2 May 1968, *R. Lane 2405* (GA). **Early Co.:** 15 Jul 1947, *R. Thorne 5348* (GA); 4 Jun 1970, *G. Gibbs 106* (GA); *G. Gibbs 113* (GA). **Echols Co.:** 21 Jun 1970, *W. Faircloth 6746* (GA, VSC). **Elbert Co.:** 5 May 1977, *N. Coile 723* (GA); 21 May 1979, *W. Credle 730* (GA); 25 May 1979, *W. Credle 754* (GA). **Emanuel Co.:** 7 May 1970, *G. Gibbs 56* (GA). **Floyd Co.:** 20 Jun 1951, *W. Duncan 12625* (GA); 11 May 1953, *W. Duncan 15909* (GA). **Forsyth Co.:** 4 Jul 1955, *W. Duncan 19086* (GA). **Franklin Co.:** 9 Jul 1950, *W. Duncan 11302* (GA); 29 May 1989, *L. Chafin 877* (GA). **Fulton Co.:** 7 Jun 1947, *Venard 360* (GA). **Glascocock Co.:** 22 Jul 2017, *P. Lowe 31* (VSC). **Grady Co.:** 5 May 1993, *L. Anderson 14245* (GA); 6 May 2001, *R. Kral 91022* (VSC); 11 May 2004, *R. Kral 95120A* (VSC). **Gwinnett Co.:** 5 May 1993, *P. Hyatt 5259* (GA); 3 May 2006, *P. Hyatt 11960* (GA); 13 May 2006, *P. Hyatt 11979* (GA). **Hall Co.:** 15 Jun 1955, *W. Duncan 18861* (GAS). **Hall Co.:** 11 May 1941, *W. Duncan 3227* (GA); 14 May 1955, *W. Duncan 18696* (GA); 15 May 1955, *W. Duncan 18728* (VSC). **Haralson Co.:** 16 May 2003, *P. Hyatt 11472* (GAS-2); 25 May 2003, (GAS). **Haralson Co.:** 16 May 2003, *P. Hyatt 11469* (GA); *P. Hyatt 11472* (GA-3). **Harris Co.:** 18 May 1971, *S. Jones 20807* (GA, VSC); 16 Jul 1998, *Crook 464* (GA); *Crook 485* (GA); 18 Aug 1998, *Crook 581* (GA); 19 May 1999, *Sweeney 538* (GA); *Sweeney 551* (GA); 8 Jun 1999, *D. Giannasi 99-3* (GA); *D. Giannasi 99-4* (GA). **Houston Co.:** 26 May 2005, *L. Echols 185* (GA, VSC); 23 Apr 2006, *L. Echols 515* (GA, VSC); 19 May 2006, *L. Echols 540* (GA); 14 May 2009, *P. Lynch 256* (GA). **Jasper Co.:** 5 May 2004, *L. Kruse 13971* (GA); 8 Apr 2012, *S. Sewell 57* (GA, VSC); 7 Jul 2012, *S. Sewell 564* (GA, VSC); 10 May 2013, *S. Sewell 1421* (GA, VSC); *S. Sewell 1422* (GA). **Jefferson Co.:** 15 May 1970, *G. Gibbs 96* (GAS). **Jefferson Co.:** *G. Gibbs 98* (GA). **Jenkins Co.:** 21 Apr 1970, *G. Gibbs 9* (GA); 7 May 1970, *G. Gibbs 44* (GA). **Jones Co.:** 23 Jun 1999, *Sweeney 848* (GA); 3 Jul 1999, *Sweeney 882* (GA). **Laurens Co.:** 9 May 1977, *C. Lodge s.n.* (VSC). **Lee Co.:** 11 May 1940, *W. Duncan 2336* (GA); 30 Apr 1947, *R. Thorne 3562* (GA). **Lincoln Co.:** 23 Jun 1950, *W. Duncan 11134* (GA). **Lowndes Co.:** 8 Apr 1967, *R. Norris 817* (VSC); 28 May 1970, *W. Faircloth 6711* (GA, VSC); 9 Jun 1985, *R. Carter 4152* (GA, VSC); 5 May 1988, *R. Carter 6557* (VSC). **Lumpkin Co.:** 9 Jun 2001, *L. Kruse 01-199* (GA, VSC). **Macon Co.:** 6 May 1967, *R. Lane 616* (GA); 7 May 2013, *R. Carter 20760* (VSC). **Madison Co.:** 13 May 1976, *N. Coile 303* (GA). **Marion Co.:** 4 Jun 1970, *G. Gibbs 116* (GA). **McIntosh Co.:** 27 Apr 1960, *W. Harmer 1023* (GA); 2 Jun 1960, *W. Harmer 1075* (GA). **Meriwether Co.:** 17 May 1974, *W. Faircloth 7633* (VSC). **Monroe Co.:** 23 Apr 1988, *C. Howel 1261* (GA). **Morgan Co.:** 19 May 1968, *S. Jones 15431* (GA); 20 May 1978, *J. Hill 442* (GA). **Murray Co.:** 25 May 2013, *H. Seabolt 548* (GAS). **Murray Co.:** 27 Jun 1983, *N. Coile 3694* (GA); 27 Aug 1997, *T. Govus 868* (GA); 30 May 2000, *J. Moore 271* (GA); 10 Jun 2001, *J. Moore 729* (GA). **Oconee Co.:** 7 May 1970, *G. Gibbs 36* (GA); 5 May 1992, *J. Seward 1122* (GA); 16 May 1992, *J. Seward 1175* (GA); 16 Jun 1992, *J. Seward 1265* (GA); *J. Seward 1275* (GA); 24 Sep 1993, *P. Hyatt 5756* (GA). **Oglethorpe Co.:** 6 Jun 1947, *A. Cronquist 4535* (GA). **Peach Co.:** 25 Apr 1967, *R. Lane 584* (GA). **Pickens Co.:** 18 May 1940, *W. Duncan 2460* (GA-2); 13 May 1988, *L. Foote s.n.* (GA). **Putnam Co.:** 4 May 1947, *A. Cronquist 4396* (GA). **Rabun Co.:** 15 Jun 1946, *W. Duncan 6391* (GA); 22 Jun 1995, *Milsted 137* (GA); 16 May 1996, *Milsted 710* (GA); 22 May 1996, *Milsted 735* (GA); 24 Jul 1996, *Milsted 1131* (GA); 9 Sep 1999, *B. Stiles 1354* (GA). **Rockdale Co.:** 15 May 2003, *P. Hyatt 11461* (GA). **Spalding Co.:** 4/29/1899, *M. Riegel s.n.* (GA). **Stephens Co.:** 12 May 1996, *J. Cruse 748* (GA). **Sumter Co.:** 22 Jun 1998, *M. Owsley 1796* (GA). **Talbot Co.:** 4 Jun 1970, *G. Gibbs 119* (GA). **Taliaferro Co.:** 17 Jul 1950, *W. Duncan 11373* (GA, VSC). **Taylor Co.:** 14 May 1988, *R. Carter 6592* (VSC). **Thomas Co.:** 15 Jul 1966, *W. Faircloth 3523* (GA, VSC); 23 May 1983, *L. Anderson 6365* (GA); 10 May 2010, *R. Carter 19792* (GA, VSC); 5/1/1889, *M. Waite s.n.* (GA). **Tift Co.:** 2 Jun 2009, *B. Sanderson 271* (VSC). **Towns Co.:** 20 Jun 1988, *R. Carter 6790* (VSC). **Twiggs Co.:** 4 Jun 1996, *T. Govus 760* (GA); 18 Jul 2009, *P. Lynch 420* (GA). **Union Co.:** 30 Jun 2012, *M. Medley 12* (VSC). **Unknown Co.:** 27 Apr 1959, *M. Mellinger 874* (GAS). **Upson Co.:** 9 Sep 1947, *A. Cronquist 4690* (GA); 9 Jun 1972, *S. Jones 22042.1* (GA); 19 May 1973, *S. Jones 22463* (GA); 17 May 1974, *W. Faircloth 7764* (VSC); 10 Jul 1988, *R. Carter 6980* (GA, VSC); 9 Sep 2007, *R. Carter 18043* (VSC). **Walton Co.:** 16 May 1948, *A. Cronquist 5222* (GA). **White Co.:** 17 Jul 1990, *J. Allison 4602* (GA); 17 May 2005, *P. Hyatt 11860* (GA). **Worth Co.:** 6 Jun 2006, *R. Kral 97493* (VSC).

Carex manhartii

NORTH AMERICA. UNITED STATES GEORGIA. **Dawson Co.:** 6 May 2002, *L. Kruse 36192* (GA). **Gilmer Co.:** 23 Jun 1997, *T. Govus 854* (GA); 17 May 2000, *T. Govus 1171* (GA). **Rabun Co.:** 15 May 1949, *W. Duncan 9560* (GA); 7 May 1950, *W. Duncan 10865* (GA); 15 May 1983, *J. Manhart 597* (GA); 28 May 1983, *J. Manhart 599* (GA); *J. Manhart 602* (GA). **Towns Co.:** 24 May 1982, *J. Manhart 493* (GA, VSC); 24 May 1986, *L. Chafin 318* (GA); 3 May 1991, *R. Naczi 2862* (GA); 14 Jun 1993, *T. Govus s.n.* (GA). **Union Co.:** 27 May 1982, *J. Manhart 496* (GA, VSC-2); 1 May 1999, *W. Noel s.n.* (GA). **White Co.:** 26 May 1982, *J. Manhart 494* (GA, VSC); 17 May 2005, *P. Hyatt 11857* (GA).

Carex meadii

NORTH AMERICA. UNITED STATES GEORGIA. **Catoosa Co.:** 25 Apr 1991, *J. Allison 5223* (GA-2).

Carex mesochorea

NORTH AMERICA. UNITED STATES GEORGIA. Clarke Co.: 11 May 1937, *J. Pyron 1616a* (GA).

Carex misera

NORTH AMERICA. UNITED STATES GEORGIA. Rabun Co.: 22 May 1954, *W. Duncan 17908* (GA).

Carex mitchelliana

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 20 Apr 1952, *F. Sargent 6004* (GA). **Camden Co.:** 17 Mar 2006, *Carter 16393* (VSC). **Dawson Co.:** 8 May 2001, *L. Kruse 29952* (GA); 10 May 2001, *L. Kruse 01-136* (GA). **Fulton Co.:** 29 May 1901, *A. Curtiss 6802* (GA). **Hall Co.:** 7 May 1955, *W. Duncan 18576B* (GA); 15 May 1955, *W. Duncan 18727* (GA). **Meriwether Co.:** 16 May 1972, *S. Jones 21828* (GA). **Monroe Co.:** 23 Apr 1988, *C. Howel 1260* (GA). **Morgan Co.:** 25 May 1980, *J. Hill 1366* (GA). **Randolph Co.:** 28 Mar 1948, *R. Thorne 7731* (GA). **Spalding Co.:** 4/29/1899, *A. Quaintance s.n.* (GA). **Stephens Co.:** 12 May 1996, *J. Cruse 749* (GA). **Towns Co.:** 20 Jun 1988, *R. Carter 6788* (VSC). **Upson Co.:** 10 Jul 1988, *R. Carter 6992* (VSC).

Carex molestiformis

NORTH AMERICA. UNITED STATES GEORGIA. Murray Co.: 16 May 2009, *P. Rothrock 4817* (GA).

Carex muehlenbergii

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 13 Jun 1948, *G. McDowell 614* (GA). **Bibb Co.:** 4 Apr 2003, *J. Nelson 23646* (GA). **Camden Co.:** 26 Apr 2004, *D. Giannasi 771* (GA). **Chatham Co.:** 21 Apr 1960, *M. Mellinger 2698* (GAS). **Cobb Co.:** 24 May 2006, *W. Zomlefer 904* (GA). **Dade Co.:** 8 May 1948, *A. Cronquist 5132* (GA). **Early Co.:** 4 Jun 1970, *G. Gibbs 110* (GA). **Fannin Co.:** 20 Jun 2005, *T. Govus 1359* (GA). **Grady Co.:** 29 Apr 2005, *R. Kral 96186* (VSC). **Gwinnett Co.:** 17 Jul 1992, *J. Seward 1434* (GA). **Harris Co.:** 14 Jul 1971, *S. Jones 20957* (GA). **Liberty Co.:** 21 Apr 1984, *N. Coile 3894* (GA). **Macon Co.:** 28 Jun 2013, *W. Zomlefer 3110* (GA). **Oglethorpe Co.:** 21 May 1967, *F. Montgomery 894* (GA). **Screven Co.:** 17 Apr 1948, *A. Cronquist 5009* (GA). **Walker Co.:** 30 May 2014, *A. Prater s.n.* (GA). **Wilcox Co.:** 22 Apr 1989, *W. George s.n.* (VSC).

Carex nigromarginata

NORTH AMERICA. UNITED STATES GEORGIA. Banks Co.: 15 Apr 2000, *P. Hyatt 9098* (GA). **Barrow Co.:** 1 Apr 2006, *P. Hyatt 11949* (GA); 2 Apr 2007, *P. Hyatt 12092* (GA). **Carroll Co.:** 4 Apr 2000, *P. Hyatt 90441* (GA). **Chattooga Co.:** 15 Apr 2005, *P. Hyatt 11811* (GA). **Clarke Co.:** 17 Apr 1938, *J. Pyron 2568* (GA); 24 Feb 1981, *J. Manhart 202* (GA). **Clay Co.:** 9 Apr 1986, *J. Rettig 1436* (GA-3). **Cobb Co.:** 2 May 1952, *W. Duncan 13487* (GA); 16 Mar 2006, *D. Giannasi 1778* (GA). **Dawson Co.:** 29 Mar 2002, *L. Kruse 42777* (GA). **DeKalb Co.:** 15 May 2012, *B. Wichmann 2020* (GA); *B. Wichmann 2022* (GA). **Douglas Co.:** 4 Apr 2000, *P. Hyatt 9045* (GA). **Elbert Co.:** 11 Jun 1984, *J. Rettig 1056* (GA). **Floyd Co.:** 18 Mar 1964, *M. Lynch s.n.* (GA); 15 May 1966, *L. Lipps s.n.* (GA); 15 Jun 1984, *J. Rettig 1075* (GA). **Forsyth Co.:** 26 Mar 1955, *W. Duncan 18381* (GA). **Fulton Co.:** 4 Apr 1949, *W. Duncan 9136* (GA); *W. Duncan 9140* (VSC). **Gordon Co.:** 18 Apr 2005, *P. Hyatt 11812* (GA). **Greene Co.:** 28 Feb 1992, *J. Seward 932* (GA). **Gwinnett Co.:** 5 May 1993, *P. Hyatt 5258* (GA); 2 Apr 2006, *P. Hyatt 11951* (GA); *P. Hyatt 11952* (GA). **Habersham Co.:** 18 Apr 1981, *J. Manhart 212* (GA); 23 Mar 2000, *P. Hyatt 8986* (GA). **Hall Co.:** 9 Apr 1955, *W. Duncan 18410* (GA); 4 Mar 2005, *P. Hyatt 11801* (GA); 19 Mar 2005, *P. Hyatt 11803* (GA); 23 Apr 2005, *P. Hyatt 11821* (GA). **Hancock Co.:** 8 Apr 1986, *J. Rettig 1430* (GA). **Harris Co.:** 23 Feb 1945, *C. Calloway s.n.* (GA); 8 Apr 1999, *Sweeney 374* (GA). **Houston Co.:** 8 Mar 2006, *L. Echols 482* (GA, VSC); 8 Jul 2011, *P. Lynch s.n.* (GA). **Jasper Co.:** 18 Mar 2012, *S. Sewell 27* (GA). **Johnson Co.:** 8 Apr 1986, *J. Rettig 1432* (GA); *J. Rettig 1433* (GA). **Lincoln Co.:** 6 Apr 1952, *W. Duncan 13400* (GAS). **Lincoln Co.:** (GA); 28 Apr 1986, *J. Rettig 1504* (GA); *J. Rettig 1505* (GA). **Lowndes Co.:** 28 May 1994, *J. Lusk 44* (VSC). **Lumpkin Co.:** 30 Mar 2002, *L. Kruse 10990* (GA, VSC). **Meriwether Co.:** 21 Apr 1950, *W. Duncan 10725* (GA). **Rabun Co.:** 17 Apr 1949, *W. Duncan 9333* (GAS). **Rabun Co.:** 4 May 1947, *W. Duncan 7503a* (GA); 23 Mar 2000, *P. Hyatt 8984* (GA); 9 Apr 2000, *P. Hyatt 9061* (GA). **Stephens Co.:** 15 Apr 2000, *P. Hyatt 9089* (GA). **Towns Co.:** 9 Apr 2000, *P. Hyatt 9066* (GA); 30 Apr 2000, *P. Hyatt 9175* (GA). **Union Co.:** 9 Apr 2000, *P. Hyatt 9068* (GA-2). **Unknown Co.:** 20 Feb 1960, *M. Mellinger 1342* (GAS). **Upson Co.:** 23 Mar 1938, *J. Pyron 2324* (GA). **Walker Co.:** 20 Mar 1982, *N. Coile 2541* (GA); 7 Apr 1982, *J. Manhart 393* (GA-3); *S. Jones 23810* (GA); 17 Mar 1996, *P. Hyatt 6837* (GA); 19 Feb 2013, *A. Prater s.n.* (GA). **Washington Co.:** 8 Apr 1986, *J. Rettig 1431* (GA). **White Co.:** 15 Apr 2000, *P. Hyatt 9102* (GA).

Carex normalis

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 21 May 2009, *P. Rothrock 4873* (GA, VSC). **Calhoun Co.:** 6 May 1947, *R. Thorne 3658* (GA). **Cobb Co.:** 10 May 2006, *W. Zomlefer 850* (GA). **Floyd Co.:** 21 Apr 1939, *H. Jones 544* (GA). **Gordon Co.:** 17 May 2009, *P. Rothrock 4832* (GA, VSC). **Murray Co.:** 13 May 1970, *G. Gibbs 90* (GA).

Carex oklahomensis

NORTH AMERICA. UNITED STATES GEORGIA. Whitfield Co.: 17 May 2009, *P. Rothrock 4829* (GA, VSC).

Carex oligocarpa

NORTH AMERICA. UNITED STATES GEORGIA. Walker Co.: 6 Apr 1982, *S. Jones 23772* (GA); 1 May 1982, *J. Manhart 440* (GA-2).

Carex oxylepis

NORTH AMERICA. UNITED STATES GEORGIA. Ben Hill Co.: 23 Apr 1988, *R. Carter 6514* (VSC). **Bibb Co.:** 19 Jun 2003, *L. Gaddy s.n.* (GA); 29 Jun 2003, (GA). **Bleckley Co.:** 11 Apr 2009, *P. Lynch 230* (GA); 29 May 2009, *P. Lynch 298* (GA); 31 Jul 2009, *P. Lynch 555* (GA). **Calhoun Co.:** 1 Apr 2011, *R. Carter 20164* (GA, VSC). **Camden Co.:** 17 Mar 2006, *Carter 16394* (VSC); 29 Apr 2006, *R. Carter 16529* (VSC); 30 Apr 2006, *R. Carter 16593* (VSC). **Cobb Co.:** 2 May 2007, *W. Zomlefer 1574* (GA). **Columbia Co.:** 10 Apr 1938, *J. Pyron 2521* (GA). **Crawford Co.:** 1 May 1968, *R. Lane 2352* (GA). **Dade Co.:** 9 Jun 2002, *P. Hyatt 10063* (GA-2). **Decatur Co.:** 14 Apr 1947, *R. Thorne 3092* (GA); 12 Apr 1982, *J. Manhart 396* (GA). **Early Co.:** 25 Apr 1947, *R. Thorne 3355* (GA); 4 Apr 1948, *R. Thorne 7961* (GA). **Floyd Co.:** 18 May 1901, *A. Curtiss 6789* (GA). **Fulton Co.:** 17 Apr 1949, *G. McDowell 568* (GA). **Grady Co.:** 9 Apr 2004, *R. Kral 94910* (VSC). **Greene Co.:** 9 May 2006, *T. Govus 1377* (GA). **Hall Co.:** 1 May 2005, *P. Hyatt 11833* (GA). **Harris Co.:** 17 May 1972, *S. Jones 21895* (GA). **Houston Co.:** 8 May 2005, *L. Echols 154* (GA, VSC); 23 Apr 2006, *L. Echols 513* (GA, VSC); 17 Apr 2010, *P. Lynch 1012* (GA); 30 May 2010, *P. Lynch 1120* (GA). **Jasper Co.:** 14 Apr 2004, *L. Kruse 42855* (GA); 7 Apr 2012, *S. Sewell 45* (GA); 2 Jun 2012, *S. Sewell 403* (GA); 27 Apr 2013, *S. Sewell 1327* (GA, VSC); 10 May 2013, *S. Sewell 1365* (GA); *S. Sewell 1418* (GA, VSC). **Macon Co.:** 8 May 2013, *R. Carter 20795* (VSC). **McDuffie Co.:** 28 Apr 2001, *P. Hyatt 10174* (GA). **Putnam Co.:** 28 Apr 2002, *T. Govus 1257* (GA); 9 Apr 2011, *C. Alles 6* (GA). **Sumter Co.:** 10 Apr 1992, *R. Norris 6408* (GA); 12 May 1992, *R. Norris 6449* (GA). **Wilcox Co.:** 22 Apr 1989, *W. George s.n.* (VSC).

Carex pedunculata

NORTH AMERICA. UNITED STATES GEORGIA. Dade Co.: 17 Mar 1939, *F. Hermann 10188* (GA). **Macon Co.:** 16 Apr 2000, *P. Hyatt 9110* (GA).

Carex pensylvanica

NORTH AMERICA. UNITED STATES GEORGIA. Cherokee Co.: 13 Mar 1973, *J. Hamilton s.n.* (GA); 29 Apr 1986, *N. Coile 4636* (GA-2). **Clarke Co.:** 10 Apr 1985, *J. Rettig 1284* (GA). **Cobb Co.:** 15 Mar 2007, *W. Zomlefer 1441* (GA). **Dawson Co.:** 29 Mar 2002, *L. Kruse 42778* (GA); *L. Kruse 42789* (GA); 13 Apr 2002, *L. Kruse 15008* (GA, VSC). **Floyd Co.:** 10 Apr 1939, *H. Jones 545* (GA). **Forsyth Co.:** 21 Apr 1956, *W. Duncan 20044* (GA). **Gilmer Co.:** 5 May 1985, *J. Rettig 1289* (GA). **Lumpkin Co.:** 3 Jul 2001, *L. Kruse 01-368.5* (GA). **Murray Co.:** 12 May 2000, *J. Moore 136* (GA); 29 May 2000, *J. Moore 234* (GA). **Rabun Co.:** 17 Apr 1996, *W. Noel 960417-6* (GA). **Stephens Co.:** 15 Apr 2000, *P. Hyatt 9092* (GA). **Union Co.:** 18 May 1980, *J. Manhart 38* (GA); 14 Jun 1984, *J. Rettig 1064* (GA); *J. Rettig 1068* (GA); 13 May 1986, *J. Rettig 1584* (GA). **Upson Co.:** 25 Mar 2004, *L. Kruse 42842* (GA). **Walker Co.:** 20 Mar 1982, *N. Coile 2541* (GA). **White Co.:** 7 May 1966, *W. Duncan 22666* (GA); 12 May 1986, *J. Rettig 1577* (GA). **Whitfield Co.:** 24 Apr 1948, *A. Cronquist 5062* (GA).

Carex picta

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 10 Mar 1951, *W. Duncan 12079* (GA); *W. Duncan 12080* (GA). **Chattooga Co.:** 23 Apr 1952, *F. Sargent 6009* (GA). **Cobb Co.:** 19 Mar 1941, *G. Dorsey s.n.* (GA); 20 Mar 1942, (GA); 20 Apr 1947, *S. Smith s.n.* (GA-2); *Venard 297* (GA); *Venard 298* (GA); 26 Apr 1947, *S. Smith 3011* (GA); 15 Mar 2007, *W. Zomlefer 1456* (GA). **Gwinnett Co.:** 10 Feb 2003, *M. Czarnota s.n.* (VSC). **Haralson Co.:** 22 Apr 1993, *V. McNeilus 93-31* (VSC). **Polk Co.:** 1 Mar 1960, *T. Pullen s.n.* (GA).

Carex pigra

NORTH AMERICA. UNITED STATES GEORGIA. Catoosa Co.: 19 May 1951, *W. Duncan 12427* (GA). **Decatur Co.:** 21 Mar 1938, *J. Pyron 2253* (GA); 14 Apr 1947, *R. Thorne 3095* (GA). **Gordon Co.:** 13 Apr 1998, *C. Howel 2067* (GA). **Hall Co.:** 7 May 2005, *P. Hyatt 11847* (GA). **Houston Co.:** 23 Apr 2006, *L. Echols 508* (GA); *L. Echols 512* (GA, VSC). **Walker Co.:** 24 May 2014, *A. Prater s.n.* (GA).

Carex planispicata

NORTH AMERICA. UNITED STATES GEORGIA. Columbia Co.: 10 Apr 1938, *J. Pyron 2513* (GA). **Decatur Co.:** 14 Apr 1947, *R. Thorne 3100* (GA); 24 Apr 2003, *R. Kral 93948* (VSC). **Elbert Co.:** 25 Apr 1981, *J. Manhart 228* (GA). **Houston Co.:** 29 Apr 2006, *L. Echols 532* (GA, VSC); *L. Echols 534* (GA); 11 Jul 2011, *P. Lynch s.n.* (GA).

Carex plantaginea

NORTH AMERICA. UNITED STATES GEORGIA. Habersham Co.: 1 Jan 1957, *F. Snyder s.n.* (GA); 18 Apr 1981, *J. Manhart 209* (GA-2). **Rabun Co.:** 30 Apr 1950, *G. McDowell s.n.* (GA); 7 May 1950, *W. Duncan 10860* (GA); 17 Apr 1996, *B. Stiles 867* (GA); 26 Apr 2005, *P. Hyatt 11826* (GA). **Stephens Co.:** 15 May 1965, *W. Faircloth 1748* (GAS). **Stephens Co.:** 25 Oct 1958, *F. Snyder 235* (GA); 26 Oct 1958, *F. Snyder s.n.* (GA); 15 May 1965, *W. Faircloth 1748* (VSC); 21 Mar 1978, *J. Graves s.n.* (GA); 18 Apr 1981, *J. Manhart 206* (GA-2). **Towns Co.:** 9 Apr 2011, *T. Govus 1662* (GA).

Carex platyphylla

NORTH AMERICA. UNITED STATES GEORGIA. Dawson Co.: 6 May 2002, *L. Kruse 02-101A* (GA). **Lumpkin Co.:** 19 Jun 2001, *L. Kruse 01-272* (GA). **Union Co.:** 24 Jul 1995, *T. Govus 687* (GA); 24 May 1996, *T. Govus 751* (GA). **Walker Co.:** 6 Apr 1991, *J. Allison 5130* (GA).

Carex prasina

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 19 May 1984, *N. 4074* (VSC); *N. Coile 4074* (GA). **Dawson Co.:** 17 May 2002, *L. Kruse 02-169* (GA); 4 Jun 2002, *L. Kruse 02-213* (GA). **Floyd Co.:** 23 Apr 1937, *H. Jones 502* (GA). **Gwinnett Co.:** 6 Apr 2007, *W. Zomlefer 1490* (GA). **Hall Co.:** 15 May 1955, *W. Duncan 18719* (GA). **Lumpkin Co.:** 19 Jun 2001, *L. Kruse 01-274* (GA); *L. Kruse 01-282* (GA); 8 Jul 2001, *L. Kruse 01-375* (VSC); *L. Kruse 01-375* (GA). **Rabun Co.:** 18 Apr 2000, *P. Hyatt 9123* (GA). **Towns Co.:** 3 May 1991, *R. Naczi 2861* (GA). **Union Co.:** 25 May 1987, *L. Chafin 568* (GA, VSC); 5 Jul 1987, *L. Chafin 646* (GA).

Carex purpurifera

NORTH AMERICA. UNITED STATES GEORGIA. Chattooga Co.: 23 Apr 1938, *J. Pyron 2657* (GA); 21 May 1998, *T. Govus 1050* (GA). **Floyd Co.:** 9 Apr 1953, *W. Duncan 15242* (GA); 7 Apr 1982, *J. Manhart 378* (GA). **Walker Co.:** 20 May 1951, *W. Duncan 12514* (GA); 7 Mar 1982, *J. Manhart 375* (GA); *J. Manhart 377* (GA); 6 Apr 1982, *S. Jones 23770* (GA); 1 May 1982, *J. Manhart 442* (GA); *N. Coile 2649* (GA).

Carex radfordii

NORTH AMERICA. UNITED STATES GEORGIA. Stephens Co.: 19 Jun 1975, *D. Boufford 16552* (GA).

Carex radiata

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 24 Apr 1965, *W. Duncan 22478* (GA); 19 May 1984, *N. Coile 4105* (GA). **Butts Co.:** 10 Jun 1988, *C. Howel 1419* (GA). **Dawson Co.:** 15 May 2002, *L. Kruse 02155b* (GA). **DeKalb Co.:** 9 May 1995, *M. Moore 2097* (GA). **Floyd Co.:** 30 Apr 1939, *H. Jones 563* (GA). **Gordon Co.:** 1 May 1964, *W. Duncan 22349* (GA). **Gwinnett Co.:** 16 May 1992, *J. Seward 1185* (GA). **Harris Co.:** 17 May 1972, *S. Jones s.n.* (GA). **Jasper Co.:** 13 May 2004, *L. Kruse 18719* (GA). **Macon Co.:** 7 May 2013, *R. Carter 20747* (VSC). **Murray Co.:** 6 Jun 1983, *N. Coile 3624* (GA); 7 Jun 1983, *N. Coile 3665* (GA). **Rabun Co.:** 20 May 1995, *Milsted 93* (GA); 8 May 1996, *Milsted 657* (GA); 12 Jun 1996, *Milsted 848* (GA); 14 Jul 1996, *Milsted 1007* (GA). **Stephens Co.:** 25 Jun 1975, *D. Boufford 16705* (GA); 9 Jun 2000, *T. Govus 1187* (GA). **Talbot Co.:** 14 May 1988, *R. Carter 6599* (VSC).

Carex reniformis

NORTH AMERICA. UNITED STATES GEORGIA. Ben Hill Co.: 23 Apr 1988, *R. Carter 6511* (VSC). **Emanuel Co.:** 7 May 1970, *G. Gibbs 59* (GA).

Carex retroflexa

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 21 Apr 1993, *K. Kirkman 2898* (GA). **Bartow Co.:** 1 May 1948, *W. Duncan 8190* (GA). **Bibb Co.:** 4 Apr 2003, *J. Nelson 23661* (GA); *J. Nelson 23668* (GA). **Clarke Co.:** 11 May 1937, *J. Pyron 1617* (GA). **Clay Co.:** 30 Mar 1948, *R. Thorne 7830* (GA). **Cobb Co.:** 21 May 2007, *W. Zomlefer 1650* (GA). **Columbia Co.:** 5 May 1949, *W. Duncan 9484* (GA). **Dade Co.:** 19 May 1940, *W. Duncan 2429* (GA). **Dawson Co.:** 20 Apr 2002, *L. Kruse 23774* (GA). **Decatur Co.:** 21 Mar 1938, *J. Pyron 2238* (GA); 14 Apr 1947, *R. Thorne 3061* (GA). **Elbert Co.:** 25 Apr 1949, *W. Duncan 9409* (GA); 21 Apr 1977, *N. Coile 535* (GA). **Floyd Co.:** 25 Apr 1936, *H. Jones s.n.* (GA). **Greene Co.:** 9 May 1992, *J. Seward 1149* (GA). **Gwinnett Co.:** 6 Apr 2007, *W. Zomlefer 1496* (GA). **Hall Co.:** 15 Jun 1955, *W. Duncan 18825* (GA). **Harris Co.:** 8 Apr 1949, *S. Smith 4956* (GA). **Heard Co.:** 1 May 1938, *J. Pyron 2794* (GA). **Murray Co.:** 13 May 1970, *G. Gibbs 86* (GA); 20 May 2000, *J. Moore 180* (GA). **Putnam Co.:** 2 Apr 1938, *J. Pyron 2386* (GA). **Randolph Co.:** 3 Apr 1948, *R. Thorne 7909* (GA). **Stewart Co.:** 7 May 1978, *R. Godfrey 76444* (GA). **Sumter Co.:** 16 May 1997, *R. Norris 6845* (GA); 5 May 2003, *R. Norris s.n.* (GA).

Carex reznicekii

NORTH AMERICA. UNITED STATES GEORGIA. Gwinnett Co.: 2 Apr 2006, *P. Hyatt 11950* (GA). **Hall Co.:** 19 Mar 2005, *P. Hyatt 11802* (GA); 23 Apr 2005, *P. Hyatt 11822* (GA).

Carex roanensis

NORTH AMERICA. UNITED STATES GEORGIA. Rabun Co.: 4 Jul 1986, *J. Churchill 86290* (MSC*).

Carex rosea

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 13 Jun 1948, *W. Duncan 8306* (GA); 19 May 1984, *N. 4105* (VSC). **Butts Co.:** 8 Apr 1988, *C. Howel 1233* (GA). **DeKalb Co.:** 15 May 2012, *B. Wichmann 2067* (GA); *B. Wichmann 2071* (GA). **Fannin Co.:** 21 Jun 2005, *T. Govus 1357* (GA). **Gordon Co.:** 1 May 1964, *W. Faircloth 22349* (VSC). **Houston Co.:** 24 Jul 2010, *P. Lynch 1255* (GA); 12 Sep 2010, *P. Lynch s.n.* (GA). **Lincoln Co.:** 29 Jun 1949, *W. Duncan 9823* (GA). **Pickens Co.:** 23 Jun 1997, *T. Govus 855* (GA). **Twiggs Co.:** 6 Jun 2010, *P. Lynch 1148* (GA); 10 Jul 2011, *P. Lynch s.n.* (GA).

Carex ruthii

NORTH AMERICA. UNITED STATES GEORGIA. Dawson Co.: 4 Jun 2002, *L. Kruse 02-204* (GA). **Lumpkin Co.:** 17 Jun 1994, *T. Govus 667* (GA); 1 May 1999, *W. Noel s.n.* (GA); 9 May 2002, *L. Kruse 02-135* (GA). **Pickens Co.:** 23 Jun 1997, *T. Govus 853* (GA). **Rabun Co.:** 30 Jun 1946, *W. Duncan 6474* (GA); 22 May 1992, *A. Reznicek 8974* (VSC); 1 Jun 1999, *W. Noel s.n.* (GA-3). **Towns Co.:** 20 Jun 1988, *R. Carter 6789* (VSC); 3 May 1991, *R. Naczi 2860* (GA); 9 Jun 1994, *T. Govus 665* (GA). **White Co.:** 1 May 1999, *W. Noel s.n.* (GA).

Carex scabrata

NORTH AMERICA. UNITED STATES GEORGIA. Gilmer Co.: 6 Aug 1994, *T. Govus 663* (GA); 24 May 2000, *T. Govus 1172* (GA). **Lumpkin Co.:** 17 Jun 1994, *T. Govus 666* (GA); 17 May 2001, *L. Kruse 01-145* (GA); 19 Jun 2001, *L. Kruse 01-281* (GA); 25 Aug 2001, *L. Kruse 01-659* (GA). **Towns Co.:** 23 Aug 1993, *C. Gomez 1818* (GA). **Union Co.:** 1 Jun 1994, *T. Govus 662* (GA).

Carex scoparia

NORTH AMERICA. UNITED STATES GEORGIA. Clarke Co.: 23 May 1930, *J. Reade s.n.* (GA). **Cobb Co.:** 21 May 2007, *W. Zomlefer 1636* (GA). **Douglas Co.:** 5 Jun 1949, *W. Duncan 9680* (GA). **Fannin Co.:** 28 Jun 1983, *N. Coile 3718* (GA). **Gwinnett Co.:** 29 Jun 2003, *P. Hyatt 11475* (GAS). **Gwinnett Co.:** 23 May 1992, *J. Seward 1223* (GA); 29 Jun 2003, *P. Hyatt 11475* (GA); 13 May 2006, *P. Hyatt 11973* (GA). **Lumpkin Co.:** 26 May 2005, *P. Hyatt 11861* (GA). **Rabun Co.:** 21 Jul 1946, *W. Duncan 6616* (GA); 13 May 1996, *B. Stiles 929* (GA); 16 Jul 2010, *T. Govus 1607* (GA). **Union Co.:** 30 Jun 2012, *M. Medley 15* (VSC). **Unknown Co.:** 15 May 1959, *M. Mellinger 832* (GAS).

Carex seorsa

NORTH AMERICA. UNITED STATES GEORGIA. Bibb Co.: 1 Apr 2003, *L. Gaddy s.n.* (GA). **Chatham Co.:** 23 Mar 2012, *W. Zomlefer 2527* (GA). **Grady Co.:** 5 May 1993, *L. Anderson 14220* (GA); 25 May 2012, *L. Anderson 26353* (GA). **Habersham Co.:** 15 Apr 2000, *P. Hyatt 9087* (GA). **Macon Co.:** 4 May 2013, *W. Zomlefer 3046* (GA). **Newton Co.:** 29 May 1997, *J. Allison 9869* (GA). **Wilkes Co.:** 30 May 2012, *L. Chafin s.n.* (GA).

Carex socialis

NORTH AMERICA. UNITED STATES GEORGIA. Burke Co.: 18 May 1989, *R. Naczi 2192* (GA).

Carex sparganioides

NORTH AMERICA. UNITED STATES GEORGIA. Clarke Co.: 20 Apr 1931, *J. Reade s.n.* (GA). **Columbia Co.:** 23 Jun 1950, *W. Duncan 11121* (GA).

Carex squarrosa

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 23 Jun 2010, *L. Chafin s.n.* (GA). **Clarke Co.:** 5 May 1966, *F. Montgomery 418* (GA, VSC). **Cobb Co.:** 12 Jun 2007, *W. Zomlefer 1723* (GA). **Floyd Co.:** 23 Apr 1952, *F. Sargent 6010* (GA). **Greene Co.:** 9 May 1992, *J. Seward 1142* (GA); 9 May 2006, *T. Govus 1378* (GA).

Carex stipata

NORTH AMERICA. UNITED STATES GEORGIA. Bulloch Co.: 9 May 1963, *H. J. s.n.* (GAS). **Camden Co.:** 28 Apr 2004, *D. Giannasi 861* (GA). **Catoosa Co.:** 21 May 2009, *P. Rothrock 4879* (GA, VSC). **Chatham Co.:** 20 Jun 1960, *M. Mellinger s.n.* (GAS). **Chatham Co.:** 20 Apr 2012, *W. Zomlefer 2609* (GA); 12 Jun 2012, *W. Zomlefer 2735* (GA). **Clarke Co.:** 10 May 1931, *J. Reade s.n.* (GA). **Cobb Co.:** 10 May 2006, *W. Zomlefer 873* (GA); 21 May 2007, *W. Zomlefer 1646* (GA). **Columbia Co.:** 26 Apr 1982, *A. Tate s.n.* (GA). **Elbert Co.:** 14 May 1978, *N. Coile 1793* (GA). **Gwinnett Co.:** 23 May

1992, *J. Seward 1227* (GA). **Jackson Co.:** 30 Apr 1930, *J. Reade s.n.* (GA). **Jenkins Co.:** 21 Apr 1970, *G. Gibbs 10* (GA). **McIntosh Co.:** 21 May 1960, *W. Harmer 1060* (GA); 26 May 1960, *W. Harmer 1066* (GA); 11 Apr 1961, *W. Harmer 1271* (GA, VSC). **Pickens Co.:** 18 May 1940, *W. Duncan 2461* (GA).

Carex striata

NORTH AMERICA. UNITED STATES GEORGIA. **Appling Co.:** 25 May 1999, *J. Nelson 20519* (GA). **Baker Co.:** 23 Jun 1947, *R. Thorne 4885* (GA). **Bartow Co.:** 18 May 1951, *W. Duncan 12395* (GAS). **Bartow Co.:** (VSC); 19 Jun 1951, *W. Duncan 12587* (VSC). **Brooks Co.:** 26 Mar 1967, *R. Norris 787* (VSC). **Bryan Co.:** 30 Jun 1992, *R. Carter 9997* (GA, VSC). **Camden Co.:** 3 Jul 1996, *R. Carter 13063* (VSC); 7 Apr 2006, *R. Carter 16444* (VSC). **Chatham Co.:** 16 Jun 1958, *W. Duncan 21087* (GA-2). **Early Co.:** 24 Apr 1947, *R. Thorne 3263* (GA); 24 Apr 1995, *M. Owsley s.n.* (GA). **Echols Co.:** 21 Jun 1970, *W. Faircloth 6749* (GA, VSC); 9 May 1975, *W. Faircloth 7879* (VSC). **Lanier Co.:** 5 May 1991, *V. McNeilus 91-219* (GA); 21 Apr 1994, *C. Wilson 244* (VSC); *R. Carter 244* (GA). **Long Co.:** 14 Apr 1993, *Unknown 1796* (GAS). **Long Co.:** *M. Moore 1796* (GA). **Lowndes Co.:** 28 May 1970, *W. Faircloth 6712* (GA, VSC); 10 Jun 1988, *R. Carter 6639* (VSC); 12 Jun 1994, *J. Lusk 99* (VSC). **McIntosh Co.:** 6 Jun 1963, *J. Bozeman 2988* (GAS). **McIntosh Co.:** 15 Apr 1956, *W. Duncan 19974* (GA, VSC); 7 Oct 1962, *J. Bozeman 2157* (GA). **Miller Co.:** 14 May 1998, *M. Owsley 1793* (GA). **Ware Co.:** 3 Apr 1963, *E. Cypert 445* (GA); 30 Mar 1980, *J. Loew 1380* (GA-2).

Carex striatula

NORTH AMERICA. UNITED STATES GEORGIA. **Bibb Co.:** 5 Apr 2003, *J. Nelson 23691* (GA); 1 Apr 2004, *L. Gaddy s.n.* (GA). **Butts Co.:** 24 Apr 1988, *C. Howel 1282* (GA). **Chattooga Co.:** 15 Apr 2005, *P. Hyatt 11810* (GA). **Columbia Co.:** 23 Apr 2006, *J. Williams s.n.* (VSC). **Dawson Co.:** 20 Apr 2002, *L. Kruse 23408* (GA). **DeKalb Co.:** 1 May 1996, *M. Moore 2502* (GA). **Effingham Co.:** 20 Apr 1962, *A. Radford 44543* (GAS). **Elbert Co.:** 5 May 1977, *N. Coile 728* (GA); 29 Apr 1980, *W. Credle 2810* (GA). **Gilmer Co.:** 27 May 2013, *T. Govus 1712* (GA). **Grady Co.:** 5 May 1993, *L. Anderson 14222* (GA); 23 Apr 2010, *R. Carter 19685* (GA, VSC). **Hall Co.:** 23 Apr 2005, *P. Hyatt 11820* (GA). **Hart Co.:** 21 Apr 1980, *W. Credle 2771* (GA). **Liberty Co.:** 28 Apr 1993, *M. Moore 1811* (GA). **Lowndes Co.:** 13 Apr 1987, *R. Carter 5367* (VSC). **Lumpkin Co.:** 1 May 1999, *W. Noel s.n.* (GA). **Macon Co.:** 8 May 2013, *R. Carter 20802* (VSC). **Miller Co.:** 21 Mar 2013, *R. Carter 20707* (VSC). **Monroe Co.:** 23 Apr 1988, *C. Howel 1265* (GA). **Morgan Co.:** 18 May 1980, *J. Hill 1351* (GA). **Rabun Co.:** 26 Apr 2005, *P. Hyatt 11828* (GA). **Screven Co.:** 2 May 1991, *R. Naczi 2841* (GA). **Thomas Co.:** 10 May 2010, *R. Carter 19789* (GA, VSC); *R. Carter 19790* (VSC). **Towns Co.:** 30 Apr 2000, *P. Hyatt 9177* (GA).

Carex stricta

NORTH AMERICA. UNITED STATES GEORGIA. **Clarke Co.:** 18 May 1937, *J. Pyron 1792* (GA). **Jasper Co.:** 27 Apr 2013, *S. Sewell 1329* (GA, VSC).

Carex styloflexa

NORTH AMERICA. UNITED STATES GEORGIA. **Baker Co.:** 18 May 1996, *L. Anderson 16424* (GA). **Bryan Co.:** 18 Jun 1992, *R. Carter 9849* (GA, VSC). **Calhoun Co.:** 5 Apr 1948, *R. Thorne 8007* (GA); 19 May 2009, *P. Rothrock 4862* (VSC); 1 Apr 2011, *R. Carter 20161* (GA, VSC). **Clarke Co.:** 25 Apr 1981, *J. Manhart 224* (GA); 11 May 1983, *J. Manhart 594* (GA). **Columbia Co.:** 23 Apr 2006, *J. Williams s.n.* (VSC). **Dawson Co.:** 21 Apr 2002, *L. Kruse 31809* (GA); 7 May 2002, *L. Kruse 02-115* (GA). **Decatur Co.:** 2 Apr 1947, *R. Thorne 2649* (GA); 12 Apr 1982, *J. Manhart 394* (GA). **Early Co.:** 26 Mar 1949, *R. Thorne 9243* (GA). **Floyd Co.:** 15 May 1980, *R. Kral 65064* (VSC). **Fulton Co.:** 24 Apr 1949, *W. Duncan 9351* (GA); *W. Duncan 9354* (GA). **Grady Co.:** 23 Mar 2003, *R. Kral 93690* (GA, VSC); 9 Apr 2004, *R. Kral 94904* (VSC). **Hall Co.:** 1 May 2005, *P. Hyatt 11835* (GA-2). **Jasper Co.:** 27 Apr 2013, *S. Sewell 1317* (GA, VSC). **Lumpkin Co.:** 9 May 2002, *L. Kruse 02-136* (VSC); *L. Kruse 02-136* (GA). **Macon Co.:** 17 Apr 2014, *W. Zomlefer 3412* (GA). **Murray Co.:** 7 May 1983, *N. Coile 3551* (GA). **Quitman Co.:** 29 Apr 2004, *R. Kral 95037* (VSC). **Rabun Co.:** 14 May 2003, *P. Hyatt 11456* (GAS). **Rabun Co.:** 1 May 1998, *B. Stiles 1245* (GA); 18 Apr 2000, *P. Hyatt 9121* (GA); 14 May 2003, *P. Hyatt 11456* (GA-2). **Randolph Co.:** 29 Mar 1948, *R. Thorne 7774* (GA). **Sumter Co.:** 6 May 1990, *R. Norris 6024* (GA). **Towns Co.:** 1 May 2004, *P. Hyatt 11655* (GA). **Union Co.:** 20 May 1996, *T. Govus 747* (GA). **Walker Co.:** 1 May 2013, *A. Prater s.n.* (GA).

Carex superata

NORTH AMERICA. UNITED STATES GEORGIA. **Catoosa Co.:** 16 Jun 2012, *J. Shaw s.n.* (GA). **Elbert Co.:** 25 Apr 1949, *W. Duncan 9374* (GA). **Hall Co.:** 14 May 2003, *T. Govus 1311* (GA). **Houston Co.:** 30 May 2009, *P. Lynch 331* (GA); 26 May 2010, *P. Lynch 1099* (GA). **Jasper Co.:** 13 May 2004, *L. Kruse 23102* (GA). **Talbot Co.:** 14 May 1988, *R. Carter 6602* (VSC-3). **Twiggs Co.:** 14 Apr 2010, *P. Lynch 1000* (GA).

Carex swanii

NORTH AMERICA. UNITED STATES GEORGIA. **Lumpkin Co.:** 10 Jul 2001, *L. Kruse 01-421* (VSC); *L. Kruse 01-421* (GA); 20 Jul 2001, *L. Kruse 01-452* (GA). **Unknown Co.:** 12 Jul 2003, *P. Hyatt 11476* (GAS). **Walker Co.:** 24 May 2014, *A. Prater s.n.* (GA). **White Co.:** 17 May 2005, *P. Hyatt 11858* (GA).

Carex tenax

NORTH AMERICA. UNITED STATES GEORGIA. Bacon Co.: 18 Aug 1988, *R. Carter 7338* (VSC). **Bryan Co.:** 15 Jul 1992, *Unknown 1607* (GAS). **Bryan Co.:** *M. Moore 1607* (GA); 27 Apr 2008, *T. Govus 1549* (GA). **Chatham Co.:** 30 Apr 1959, *M. Mellinger 1345* (GAS). **Coffee Co.:** 29 Apr 1988, *R. Carter 6548* (VSC). **Decatur Co.:** 13 Apr 1982, *J. Manhart 419* (GA-2). **Emanuel Co.:** 6 Apr 2018, *B. Wadley 12* (GAS). **Emanuel Co.:** 6 May 1994, *B. Sorrie 7910* (GA). **Johnson Co.:** *B. Sorrie 7909* (GA). **Long Co.:** 13 Jul 1962, *J. Bozeman 1198* (GA); 8 Aug 1988, *R. Carter 7245* (GA, VSC); 12 May 1999, *H. Holland 39* (GA). **Macon Co.:** 4 May 2013, *W. Zomlefer 3070* (GA). **Marion Co.:** 25 May 1985, *R. Carter 4104* (GA, VSC); 22 May 1987, *R. Norris 5334* (GA); 13 May 1988, *R. Carter 6568* (VSC). **McIntosh Co.:** 3 Jun 1963, *J. Bozeman 2845* (GAS). **McIntosh Co.:** 20 Apr 1962, *J. Bozeman 524* (GA). **Muscogee Co.:** 4 Jun 1980, *J. Stutts 433* (GA-2). **Richmond Co.:** 23 May 1937, *J. Pyron 1704* (GA). **Tattall Co.:** 4 May 1973, *Robison 43230* (GAS). **Taylor Co.:** 23 May 1948, *A. Cronquist 5263* (GA); 16 May 1974, *W. Faircloth 7566* (VSC); 14 May 1988, *R. Carter 6576* (VSC); 18 Jun 1994, *P. Sheridan 1711* (GA). **Turner Co.:** 6 May 1967, *W. Faircloth 4378* (GA, VSC). **Wheeler Co.:** 23 Apr 1988, *R. Carter 6525* (VSC).

Carex texensis

NORTH AMERICA. UNITED STATES GEORGIA. Bibb Co.: 1 Apr 2004, *L. Gaddy s.n.* (GA). **Cobb Co.:** 28 Apr 2006, *D. Giannasi 1895* (GA); 10 May 2006, *W. Zomlefer 852* (GA). **Early Co.:** 1 Apr 1989, *N. Coile 5022* (GA).

Carex thornei

NORTH AMERICA. UNITED STATES GEORGIA. Decatur Co.: 13 Apr 1982, *J. Manhart 401* (GA). **Grady Co.:** 23 Mar 2003, *R. Kral 93693* (VSC).

Carex tonsa

NORTH AMERICA. UNITED STATES GEORGIA. Columbia Co.: 3 Apr 1983, *W. Duncan s.n.* (GA). **Forsyth Co.:** 21 Apr 1956, *W. Duncan 20050* (GA). **Habersham Co.:** 23 Mar 2000, *P. Hyatt 8987* (GA); 31 Mar 2000, *P. Hyatt 8986* (GA); 15 Apr 2000, *P. Hyatt 9084* (GA-2); *P. Hyatt 9085* (GA). **Hall Co.:** 2 Apr 1949, *S. Smith 4822* (GA). **Lincoln Co.:** 17 Nov 1935, *J. Pyron 114* (GA). **Rabun Co.:** 23 Mar 2000, *P. Hyatt 8985* (GA); 9 Apr 2000, *P. Hyatt 9062* (GA); 26 Mar 2005, *P. Hyatt 110805* (GA); 2 May 2012, *T. Wieboldt 12537* (VSC); 00/00/1971, *W. Duncan 9324* (GA). **Stephens Co.:** 2 Apr 1966, *W. Duncan 22623* (GA); 15 Apr 2000, *P. Hyatt 9088* (GA). **Towns Co.:** 9 Apr 2000, *P. Hyatt 9064* (GA). **Union Co.:** *P. Hyatt 9069* (GA-2). **Walker Co.:** 17 Mar 1996, *P. Hyatt 6835* (GA); *P. Hyatt 6836* (GA). **White Co.:** 15 Apr 2000, *P. Hyatt 9104* (GA).

Carex torta

NORTH AMERICA. UNITED STATES GEORGIA. Cherokee Co.: 12 Apr 1952, *F. Sargent 6006* (GA). **Dawson Co.:** 21 Apr 2002, *L. Kruse 32905* (GA, VSC). **Fulton Co.:** //, *H. Venard 1013* (GA-2). **Gilmer Co.:** 27 Apr 1997, *T. Govus 841* (GA). **Murray Co.:** 30 Mar 2001, *J. Moore 560* (GA). **Rabun Co.:** 17 Apr 2000, *P. Hyatt 9114* (GA).

Carex triangularis

NORTH AMERICA. UNITED STATES GEORGIA. Wilcox Co.: 22 Apr 1989, *W. George s.n.* (VSC).

Carex tribuloides

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 21 May 2009, *P. Rothrock 4875* (GA). **Bibb Co.:** 17 May 1968, *R. Lane 2523* (GA). **Bryan Co.:** 16 May 2014, *W. Zomlefer 3505* (GA). **Burke Co.:** 7 May 1970, *G. Gibbs 70* (GA). **Butts Co.:** 25 May 1987, *C. Howel 334* (GA). **Camden Co.:** 30 Apr 2006, *R. Carter 16588* (VSC). **Catoosa Co.:** 21 May 2009, *P. Rothrock 4878* (GA). **Chatham Co.:** 14 May 1940, *D. Eyles 7005* (GA); 24 May 2012, *W. Zomlefer 2642* (GA). **Clarke Co.:** 11 Sep 1993, *P. Hyatt 5742* (GA); 24 Sep 1993, *P. Hyatt 5755* (GA-2); 10 Jun 2009, *P. Lynch 31* (VSC); *P. Lynch 31 [-2009]* (GA); 16 Jun 2012, *S. Sewell 475* (GA). **Clay Co.:** 9 May 1947, *R. Thorne 3778* (GA). **Cobb Co.:** 13 Jun 2006, *W. Zomlefer 1006* (GA); 2 Jul 2007, *W. Zomlefer 1787* (GA). **Columbia Co.:** 26 Apr 1982, *A. Tate s.n.* (GA). **Crawford Co.:** 13 Jun 1968, *R. Lane 2776* (GA). **Dade Co.:** 9 Jun 2002, *P. Hyatt 10066* (GA-2). **Dawson Co.:** 28 Jul 1955, *W. Duncan 19255* (GA); 10 Jun 2001, *L. Kruse 01-234* (GA, VSC); 27 Jun 2002, *L. Kruse 02-240* (GA). **DeKalb Co.:** 24 May 1995, *M. Moore 2171* (GA). **Elbert Co.:** 19 May 1977, *N. Coile 854* (GA); 13 Jun 1978, *C. Douglass 1461* (GA); 27 May 2002, *P. Hyatt 11033* (GA). **Floyd Co.:** 17 May 2009, *P. Rothrock 4836* (GA, VSC). **Fulton Co.:** 7 Jun 1947, *Venard 371* (GA). **Gwinnett Co.:** 13 May 2006, *P. Hyatt 11982* (GA); 24 Jun 2006, *P. Hyatt 12040* (GA). **Hall Co.:** 17 Jun 1955, *W. Duncan 18881* (GA). **Harris Co.:** 19 May 1999, *Sweeney 546* (GA). **Houston Co.:** 14 May 2009, *P. Lynch 255* (GA). **Jasper Co.:** 13 May 2004, *L. Kruse 19085* (GA). **Macon Co.:** 8 Aug 2013, *W. Zomlefer 3180* (GA). **Morgan Co.:** 19 May 1968, *S. Jones 15433* (GA). **Murray Co.:** 10 Jun 2001, *J. Moore 736* (GA-2). **Putnam Co.:** 9 May 2006, *T. Govus 1401* (GA). **Rabun Co.:** 27 Jun 1996, *Milsted 927* (GA). **Seminole Co.:** 5 Aug 1989, *R. Carter 8024* (VSC). **Thomas Co.:** 7 Jun 2006, *P. Hyatt 12010* (GA).

Carex turgescens

NORTH AMERICA. UNITED STATES GEORGIA. Bulloch Co.: 6 May 1953, *W. Duncan 15882* (GA). **Colquitt Co.:** 4 Apr 1964, *W. Faircloth 785* (GA, VSC). **Liberty Co.:** 26 May 1993, *Unknown 1830* (GAS). **Liberty Co.:** *M. Moore 1830* (GA). **Marion Co.:** 4 Jun 1970, *G. Gibbs 118* (GA). **Toombs Co.:** 4 Apr 1948, *A. Cronquist 4961* (GA).

Carex typhina

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 6 May 1992, *K. Kirkman 2102* (GA); 28 Jul 1995, *L. Anderson 15762* (GA); 18 May 1996, *L. Anderson 16422* (GA). **Bibb Co.:** 24 Jul 2002, *J. Nelson 23014* (GA); 9 Sep 2002, *L. Gaddy s.n.* (GA). **Burke Co.:** 7 May 1970, *G. Gibbs 65* (GA); *G. Gibbs 66* (GA). **Emanuel Co.:** *G. Gibbs 58* (GA). **McIntosh Co.:** 6 Jun 1963, *J. Bozeman 2974* (GAS). **McIntosh Co.:** (GA).

Carex umbellata

NORTH AMERICA. UNITED STATES GEORGIA. Banks Co.: 15 Apr 2000, *P. Hyatt 9095* (GA); *P. Hyatt 9101* (GA). **Barrow Co.:** 2 Apr 2007, *P. Hyatt 12090* (GA); *P. Hyatt 12091* (GA). **Carroll Co.:** 4 Apr 2000, *P. Hyatt 9044* (GA). **Chattooga Co.:** 13 Apr 2005, *P. Hyatt 11808* (GA). **DeKalb Co.:** 15 Mar 1936, *R. McVaugh 481* (GA). **Hall Co.:** 23 Mar 2000, *P. Hyatt 8988* (GA). **Murray Co.:** 22 Mar 2000, *J. Moore 25* (GA); 1 Apr 2000, *J. Moore 51* (GA). **Pickens Co.:** 7 Apr 2006, *P. Hyatt 11955* (GA). **Rabun Co.:** 17 Apr 1949, *W. Duncan 9338* (GA); *W. Duncan 9340* (GA); 12 May 1986, *J. Rettig 1571* (GA); 23 Mar 2000, *P. Hyatt 8983* (GA-2). **Union Co.:** 9 Apr 2000, *P. Hyatt 9067* (GA-2). **Wheeler Co.:** 22 Mar 1985, *J. Rettig 1195* (GA).

Carex venusta

NORTH AMERICA. UNITED STATES GEORGIA. Berrien Co.: 21 May 1988, *R. Carter 6625* (VSC). **Bulloch Co.:** 5 Apr 1953, *W. Duncan 15196* (GA). **Coffee Co.:** 15 May 1966, *D. Blake 1357* (GA). **Decatur Co.:** 16 Apr 2004, *R. Kral 94936* (VSC). **Evans Co.:** 16 Jun 1992, *R. Carter 9769* (GA, VSC). **Grady Co.:** 6 May 2001, *R. Kral 91021* (VSC). **Harris Co.:** 22 Apr 1999, *Sweeney 464* (GA). **Lowndes Co.:** 19 May 1985, *R. Carter 4090* (GA, VSC); 10 Jun 1988, *R. Carter 6636a* (VSC). **Macon Co.:** 4 May 2013, *W. Zomlefer 3011* (GA); 17 Apr 2014, *W. Zomlefer 3422* (GA). **Thomas Co.:** 10 May 2010, *R. Carter 19798* (GA, VSC); 29 May 2010, *L. Anderson 24986* (GA); 9 May 2011, *R. Carter 20232* (VSC). **Unspecified Co.:** 5/1/1895, *J. Small s.n.* (GA).

Carex verrucosa

NORTH AMERICA. UNITED STATES GEORGIA. Bacon Co.: 18 Aug 1988, *R. Carter 7371* (GA, VSC). **Baker Co.:** 4 Jun 1992, *L. Kirkman 2204* (VSC-2); 28 Jul 1992, *K. Kirkman 2396* (GA); 28 Jul 1995, *L. Anderson 15763* (GA). **Bartow Co.:** 18 Sep 1951, *W. Duncan 13182* (GA); 5 Jul 1963, *P. Greear 63195* (GA). **Brooks Co.:** 26 Apr 2012, *R. Carter 20366* (VSC). **Calhoun Co.:** 19 Aug 2009, *R. Carter 19383* (GA, VSC). **Camden Co.:** 16 Sep 1995, *R. Carter 12791* (VSC); 7 Apr 2006, *Carter 16455* (VSC); *R. Carter 16445* (VSC); 25 Apr 2007, *L. Kruse 25* (GA). **Chatham Co.:** 8 Aug 1958, *W. Duncan 21483* (GA). **Decatur Co.:** 23 Mar 1949, *R. Thorne 9108* (GA); 25 Aug 1982, *N. Coile 3075* (GA). **Dooly Co.:** 2 May 1968, *R. Lane 2408* (GA). **Early Co.:** 21 Apr 1947, *R. Thorne 3188* (GA); 2 May 1947, *R. Thorne 3501* (GA). **Echols Co.:** 9 Jul 1991, *R. Carter 8830* (VSC). **Glynn Co.:** 3 Sep 1948, *R. Thorne 8879* (GA); 13 Oct 1992, *C. Nordman s.n.* (GA). **Grady Co.:** 27 Aug 1963, *W. Faircloth 528* (GA, VSC); 26 Sep 2000, *R. Kral 90404* (VSC). **Jenkins Co.:** 8 Jul 1949, *W. Duncan 9903* (GA). **Lanier Co.:** 18 Jun 2011, *B. Sanderson 741* (VSC). **Liberty Co.:** 12 Aug 1992, *R. Carter 10347* (GAS). **Liberty Co.:** (GA, VSC). **Long Co.:** 6 Oct 1962, *J. Bozeman 1974* (GA). **Lowndes Co.:** 23 Aug 1987, *R. Carter 6161* (VSC); 10 Jun 1988, *R. Carter 6640* (VSC). **McIntosh Co.:** 15 Apr 1956, *W. Duncan 19995* (GA); 19 Apr 1962, *J. Bozeman 483* (GA). **Mitchell Co.:** 28 Sep 1991, *R. Carter 9346* (VSC). **Screven Co.:** 25 Oct 1952, *W. Duncan 14679* (GA). **Tattnall Co.:** 9 May 1977, *M. Hotchkiss 141* (GAS). **Taylor Co.:** 14 May 1988, *R. Carter 6589* (VSC). **Thomas Co.:** 10 Jul 2013, *R. Carter 21107* (VSC). **Tift Co.:** 27 Jul 2009, *B. Sanderson 425* (VSC). **Ware Co.:** 31 Aug 1993, *K. Williges 109* (GA).

Carex virescens

NORTH AMERICA. UNITED STATES GEORGIA. Dade Co.: 8 May 1948, *A. Cronquist 5160* (GA). **Dawson Co.:** 17 May 2002, *L. Kruse 02-165A* (GA); 8 Aug 2002, *L. Kruse 02-131* (GA). **Fannin Co.:** 7 Jun 1983, *N. Coile 3674* (GA). **Gilmer Co.:** 15 May 1938, *J. Pyron 2953* (GA); 12 Jul 2003, *P. Hyatt 11476* (GA). **Lumpkin Co.:** 20 Jun 1988, *R. Carter 6786* (VSC); 8 Aug 2001, *L. Kruse 01-595* (GA); 24 Jun 2005, *P. Hyatt 11953* (GA). **Murray Co.:** 11 May 2001, *J. Moore 685* (GA); 20 Jul 2001, *J. Moore 793* (GA); 11 Aug 2001, *J. Moore 1035* (GA); 22 Sep 2001, *J. Moore 1148* (GA). **Rabun Co.:** 31 May 1968, *D. DuMond 1084* (GA); 22 May 1996, *Milsted 744* (GA); 12 Jun 1996, *Milsted 829* (GA); *Milsted 845* (GA); *Milsted 854* (GA); 14 Jul 1996, *Milsted 1027* (GA). **Union Co.:** 1 Jun 1947, *A. Cronquist 4519* (GA). **Walker Co.:** 14 May 2014, *A. Prater s.n.* (GA).

Carex vulpinoidea

NORTH AMERICA. UNITED STATES GEORGIA. Barrow Co.: 5 Jul 1992, *J. Seward 1385* (GA). **Bartow Co.:** 5 Jun 1948, *W. Duncan 8261* (GA); 18 May 1951, *W. Duncan 12404* (GA); 19 Jun 1951, *W. Duncan 12585* (GA); 23 Jun 2010, *L. Chafin s.n.* (GA). **Bibb Co.:** 17 May 1968, *R. Lane 2498* (GA); 22 Apr 1979, *J. Harrison 16* (GA); 5 Apr 2003, *J. Nelson 23711* (GA). **Burke Co.:** 7 May 1970, *G. Gibbs 74* (GA); *G. Gibbs 76* (GA). **Calhoun Co.:** 20 May 2009, *P. Rothrock 4870B* (GA). **Chattooga Co.:** 16 Jul 1951, *W. Duncan 12854* (GA). **Clarke Co.:** 17 May 1941, *M. Duncan 32* (GA); 10 Jun

2009, *G. Galau 0905-2* (GA); *P. Lynch 32 [-2009]* (GA); 9 Jun 2010, *G. Galau 0610-1* (GA). **Cobb Co.:** 21 May 2007, *W. Zomlefer 1638* (GA). **Columbia Co.:** 15 May 2006, *J. Williams s.n.* (VSC). **Dade Co.:** 9 Jun 2002, *P. Hyatt 10065* (GA). **Dawson Co.:** 3 Jul 2001, *L. Kruse 01-365* (GA). **Early Co.:** 4 Jun 1970, *G. Gibbs 107* (GA); *G. Gibbs 111* (GA). **Elbert Co.:** 17 May 1977, *N. Coile 814* (GA); 21 May 1979, *W. Credle 735* (GA); 27 May 2002, *P. Hyatt 110304* (GA). **Emanuel Co.:** 7 May 1970, *G. Gibbs 61* (GA). **Fannin Co.:** 28 Jun 1983, *N. Coile 3720* (GA). **Floyd Co.:** 20 May 1936, *H. Jones 543* (GA). **Fulton Co.:** 7 Jun 1947, *Venard 366* (GA). **Gordon Co.:** 20 Jun 1951, *W. Duncan 12611* (GA); 6 May 1998, *C. Howel 2146* (GA); 24 Jun 1998, *C. Howel 2243* (GA). **Grady Co.:** 28 Apr 1980, *R. Godfrey 77741* (GA). **Greene Co.:** 9 May 1992, *J. Seward 1133* (GA). **Gwinnett Co.:** 3 May 2006, *P. Hyatt 11969* (GA); 24 Jun 2006, *P. Hyatt 12038* (GA). **Hall Co.:** 8 May 1955, *W. Duncan 18618* (GA). **Harris Co.:** 21 Apr 1999, *Sweeney 427* (GA-2); 19 May 1999, *Sweeney 547* (GA); *Sweeney 567* (GA-2); 20 May 1999, *Sweeney 574* (GA); 10 Jun 1999, *D. Giannasi 99-30* (GA). **Jasper Co.:** 25 May 2012, *S. Sewell 361* (GA, VSC); 27 Apr 2013, *S. Sewell 1333* (GA); 10 May 2013, *S. Sewell 1384* (GA). **Jeff Davis Co.:** 9 Apr 2000, *H. Holland 419* (GA). **Jefferson Co.:** 15 May 1970, *G. Gibbs 100* (GA). **Jenkins Co.:** 7 May 1970, *G. Gibbs 42* (GA). **Lowndes Co.:** 15 May 1967, *W. Faircloth 4452* (GA, VSC). **McIntosh Co.:** 12 Apr 2002, *A. Beckman 669* (GA). **Meriwether Co.:** 8 Jun 1972, *S. Jones 21990* (GA). **Morgan Co.:** 20 May 1978, *J. Hill 445* (GA); *J. Hill 454* (GA). **Murray Co.:** 10 Jun 2001, *J. Moore 735* (GA); 16 May 2009, *P. Rothrock 4819* (GA). **Rabun Co.:** 22 Jun 1995, *Milsted 140* (GA); 22 May 1996, *Milsted 720* (GA); 27 Jun 1996, *Milsted 930* (GA); 24 Jul 1996, *Milsted 1134* (GA). **Randolph Co.:** 25 May 1990, *R. Norris 6038* (GA). **Spalding Co.:** 8/10/1899, *M. Riegel 364* (GA). **Sumter Co.:** 19 May 1996, *R. Norris 6670* (GA). **Twiggs Co.:** 6 Jun 2010, *P. Lynch 1152* (GA). **Union Co.:** 21 Jun 1994, *T. Govus 668* (GA). **Upson Co.:** 19 May 1973, *S. Jones 22464* (GA). **Walker Co.:** 17 May 2013, *A. Prater s.n.* (GA); 2 Jul 2015, (GA). **Walton Co.:** 16 May 1948, *A. Cronquist 5221* (GA). **Whitfield Co.:** 17 May 2009, *P. Rothrock 4828* (GA). **Wilkes Co.:** 24 May 1970, *C. Fitzgerald 284* (GA).

Carex walteriana

NORTH AMERICA. UNITED STATES GEORGIA. **Miller Co.:** 14 May 1998, *M. Owsley 1793* (VSC).

Carex willdenowii

NORTH AMERICA. UNITED STATES GEORGIA. **Baker Co.:** 11 Apr 1986, *A. Gholson 11598* (GA). **Clay Co.:** 30 Mar 1989, *N. Coile 4981* (GA). **Cobb Co.:** 20 Apr 1947, *Venard 299* (GA). **Decatur Co.:** 14 Apr 1947, *R. Thorne 3108* (GA); 13 Apr 1982, *J. Manhart 414* (GA-2, VSC). **Early Co.:** 26 Mar 1949, *R. Thorne 9206* (GA). **Elbert Co.:** 30 Apr 1947, *W. Duncan 7470* (GA). **Fulton Co.:** 5 Jun 1949, *W. Duncan 9697* (GA). **Jasper Co.:** 6 Apr 1949, *W. Duncan 9171* (GA). **Randolph Co.:** 3 Apr 1948, *R. Thorne 7932* (GA). **Stephens Co.:** 25 Jun 1975, *D. Boufford 16787* (GA). **Washington Co.:** 28 Mar 1982, *J. Manhart 388* (GA-2, VSC).

Carex woodii

NORTH AMERICA. UNITED STATES GEORGIA. **Towns Co.:** 15 May 1991, *T. Wieboldt 7596* (GA, VSC).

Cladium jamaicense

NORTH AMERICA. UNITED STATES GEORGIA. **Camden Co.:** 15 Aug 1971, *J. Richardson 24* (GA); 17 Jun 2004, *D. Giannasi 1004* (GA). **Chatham Co.:** 1 Apr 1979, *N. Holcomb s.n.* (GA); 7 Apr 1998, *T. Govus 969* (GA). **Glynn Co.:** 9 Jul 1972, *W. Duncan 23788* (GA-2); 25 Feb 1973, *W. Duncan 28909* (GA). **Liberty Co.:** 17 Sep 1984, *S. Jones 24501* (GA). **Lowndes Co.:** 7 Aug 1977, *H. McIntyre s.n.* (VSC). **McIntosh Co.:** 14 Aug 1958, *W. Harmer 132* (GA); 15 Jul 1959, *W. Harmer 773* (GA, VSC); 23 Sep 1959, *W. Harmer 920* (GA); 16 May 1960, *W. Harmer 1059* (GA); 4 Jul 1960, *W. Harmer 1120* (GA); 8 Jun 1992, *C. Nordman s.n.* (GA). **Ware Co.:** 3 Jun 1958, *E. Cypert 95* (GA); 28 Jun 1963, *W. Duncan 22072* (GA, VSC). **Wayne Co.:** 4 Nov 1972, *W. Duncan 23846* (GA).

Cymophyllus fraserianus

NORTH AMERICA. UNITED STATES GEORGIA. **Rabun Co.:** 15 Mar 1984, *B. Sanders s.n.* (GA); *J. Manhart s.n.* (GA); 5 Apr 1997, *B. Stiles 1153* (GA).

Cyperus acuminatus

NORTH AMERICA. UNITED STATES GEORGIA. **Houston Co.:** 23 Jun 2006, *L. Echols 584* (GA).

Cyperus bipartitus

NORTH AMERICA. UNITED STATES GEORGIA. **Catoosa Co.:** 12 Aug 1951, *W. Duncan 12993* (GA). **Chatham Co.:** 26 Sep 1957, *E. M. s.n.* (GAS); 30 Nov 1957, *M. M. s.n.* (GAS); 10 Oct 1959, *E. Mellinger 2689* (GAS). **Clarke Co.:** 28 Sep 1946, *A. Cronquist 4179* (GA). **Gordon Co.:** 19 Sep 1946, *W. Duncan 7222* (GA). **Macon Co.:** 17 Sep 2013, *W. Zomlefer 3272* (GA).

Cyperus compressus

NORTH AMERICA. UNITED STATES GEORGIA. **Bacon Co.:** 10 Sep 2012, *M. Czarnota s.n.* (VSC). **Baker Co.:** 8 Sep 1995, *L. Anderson 15849* (GA). **Berrien Co.:** 9 Aug 1987, *R. Carter 6065* (GA, VSC). **Brantley Co.:** 21 Sep 1991, *R. Carter 9225* (VSC). **Brooks Co.:** 5 Aug 1989, *R. Carter 8012* (VSC). **Bryan Co.:** 22 Jul 1992, *R. Carter 10207* (GAS). **Bryan Co.:** (GA, VSC). **Bulloch Co.:** 30 Aug 1961, *J. Boole 1218* (GAS-2). **Camden Co.:** 2 Jul 1996, *R. Carter 13012* (VSC). **Chatham Co.:** 22 Aug 1959, *E. Mellinger 1350* (GAS); 25 Sep 1960, *M. Mellinger 1525* (GAS); 5 Nov 1960, *E. Mellinger 2078* (GAS). **Chatham Co.:** 6 Aug 1958, *W. Duncan 21433* (GA); 14 Jul 2006, *R. Carter 16965* (VSC). **Clarke Co.:** 25 Nov 1937, *J. Pyron s.n.* (GA). **Clinch Co.:** 2 Aug 1969, *R. Norris 1278* (VSC). **Coffee Co.:** 18 Aug 1969, *R. Norris 1324* (VSC). **Colquitt Co.:** 26 Jun 1988, *R. Carter 6800* (VSC). **Decatur Co.:** 9 Aug 1969, *W. Faircloth 5949* (GA, VSC); 25 Aug 1982, *N. Coile 3055* (GA); 1 Nov 2008, *R. Carter s.n.* (VSC); 3 Nov 2008, *T. Bowyer s.n.* (VSC). **Dooly Co.:** 11 Aug 1989, *R. Norris 5834* (GA). **Dougherty Co.:** 10 Jul 1947, *R. Thorne 5318* (GA); 21 Sep 1992, *R. Norris 6511* (GA). **Early Co.:** 22 Oct 2003, *R. Kral 94609* (VSC). **Echols Co.:** 31 Aug 1967, *W. Faircloth 4787* (GA, VSC). **Glascok Co.:** 22 Jul 2017, *P. Lowe 54* (VSC). **Glynn Co.:** 20 Jul 1969, *R. Norris 1239* (VSC); 27 Jul 1979, *W. Duncan 30553* (GA); 26 Aug 1988, *R. Carter 7420* (GA, VSC); 21 Sep 1991, *R. Carter 9247* (GA, VSC). **Grady Co.:** 7 Sep 1964, *W. Faircloth 1556* (GA, VSC); 2 Oct 2001, *T. Flanders s.n.* (VSC); 16 Aug 2003, *R. Kral 93389* (VSC); 25 Jul 2005, *R. Kral 96682* (VSC); 9 Sep 2005, *R. Kral 96747* (VSC). **Houston Co.:** 25 Aug 1994, *R. Kral 84135* (VSC). **Jeff Davis Co.:** 15 Jul 2000, *H. Holland 604* (GA); 6 Oct 2001, *H. Holland 701* (GA). **Lanier Co.:** 12 Aug 1989, *V. McNeilus 89-746* (GA). **Liberty Co.:** 26 Aug 1992, *Unknown 1695* (GAS). **Liberty Co.:** *M. Moore 1695* (GA, VSC). **Lowndes Co.:** 23 Aug 1987, *R. Carter 6178* (GA, VSC); 11 Oct 1999, *G. Bennett 50* (VSC). **Macon Co.:** 8 Aug 2013, *W. Zomlefer 3196* (GA); 23 Jul 2014, *W. Zomlefer 3693* (GA). **McIntosh Co.:** 7 Jul 1962, *J. Bozeman 784* (GAS). **McIntosh Co.:** 6 Oct 1959, *W. Harmer 945* (GA); 21 Sep 1991, *R. Carter 9278* (GA, VSC). **Miller Co.:** 15 Jul 1947, *R. Thorne 5425* (GA). **Montgomery Co.:** 10 Aug 2017, *P. Lowe 58* (VSC); *P. Lowe 82* (VSC). **Muscogee Co.:** 13 Oct 1979, *J. Stutts 164* (GA). **Seminole Co.:** 1 Sep 1955, *R. Thorne 16742* (GA). **Spalding Co.:** 2 Jul 2004, *T. Murphy s.n.* (VSC). **Sumter Co.:** 12 Aug 1988, *C. Owsley 896* (GA); 15 Jul 1999, *R. Norris s.n.* (GA, VSC). **Thomas Co.:** 28 Sep 1991, *R. Carter 9326* (GA, VSC). **Tift Co.:** 1 Jul 1926, *F. Van Haltern s.n.* (GA); 20 Sep 1979, *N. Pencoae 480* (GA); 7 Aug 2002, *C. Rausch 202* (VSC); 5 Jun 2009, *B. Sanderson 291* (VSC). **Ware Co.:** 18 Aug 1988, *R. Carter 7311* (GA, VSC); *R. Carter 7326* (GA, VSC). **Washington Co.:** 15 Nov 1936, *J. Pyron 1247* (GA). **Wheeler Co.:** 19 Sep 1987, *R. Carter 6393* (GA, VSC). **Worth Co.:** 24 Aug 1966, *W. Faircloth 4017* (VSC).

Cyperus croceus

NORTH AMERICA. UNITED STATES GEORGIA. **Appling Co.:** 19 Jul 2006, *R. Carter 16992* (VSC). **Atkinson Co.:** 3 Aug 1969, *R. Norris 1288* (VSC). **Baker Co.:** 28 Sep 1991, *R. Carter 9380* (VSC); *R. Carter 9382* (VSC); 26 Aug 2009, *R. Carter 19461* (GA, VSC); *R. Carter 19462* (VSC). **Bartow Co.:** 13 Sep 1991, *R. Carter 9107* (GA-2, VSC); *R. Carter 9125* (VSC). **Ben Hill Co.:** 19 Aug 1967, *W. Faircloth 4631* (GA, VSC). **Berrien Co.:** 16 Oct 1979, *N. Pencoae 550* (GA); 25 Sep 1997, *R. Carter 14072* (GA, VSC). **Bryan Co.:** 1 Jul 1992, *R. Carter 10021* (GAS). **Bryan Co.:** 17 Jun 1992, *R. Carter 9839* (VSC); 1 Jul 1992, *R. Carter 10021* (GA, VSC); 14 Jul 1992, *R. Carter 10125* (VSC); 10 Jul 2014, *W. Zomlefer 3647* (GA). **Bulloch Co.:** 30 Sep 1968, *W. Jenkins 11* (GAS). **Butts Co.:** 9 Aug 1987, *R. Carter 6036* (GA, VSC); 16 Aug 1987, *C. Howel 600* (GA). **Calhoun Co.:** 24 Jun 1947, *R. Thorne 4906* (GA). **Camden Co.:** 19 Jul 1969, *R. Norris 1213* (VSC); 8 Sep 1969, *R. Norris 1419* (VSC); 8 Sep 1985, *R. Carter 4581* (GA, VSC); 5 Dec 1987, *R. Carter 6418* (VSC); 15 Sep 1995, *R. Carter 12725* (VSC); *R. Carter 12745* (VSC-2); 5 Oct 1995, *R. Carter 12842* (VSC); 6 Oct 1995, *R. Carter 12867* (VSC); 2 Jul 1996, *R. Carter 12998* (GA, VSC); 3 Jul 1996, *R. Carter 13037* (GA, VSC); 9 Jul 1996, *R. Carter 13149* (GA); 14 Jun 2004, *D. Giannasi 883* (GA); *D. Giannasi 904* (GA); 16 Jun 2004, *D. Giannasi 954* (GA); 15 Jun 2007, *R. Carter 17608* (VSC). **Charlton Co.:** 24 Oct 1997, *R. Carter 14081* (VSC). **Chatham Co.:** 20 Jun 1960, *E. Mellinger 1389* (GAS). **Chatham Co.:** 12 Jul 2006, *R. Carter 16929* (VSC); 14 Jul 2006, *R. Carter 16961* (VSC); 12 Jun 2012, *W. Zomlefer 2741* (GA). **Chattahoochee Co.:** 8 Oct 2001, *M. Waters 306* (VSC). **Clarke Co.:** 8 Jun 1934, *L. Perry 793* (GA); 15 Sep 1946, *A. Cronquist 4139* (GA); 14 Sep 2015, *S. Sewell 1625* (GA). **Clay Co.:** 24 Aug 1948, *R. Thorne 8484* (GA); 28 Aug 1982, *R. Carter 3496* (VSC). **Clinch Co.:** 4 Sep 1969, *R. Norris 1393* (VSC); 9 Jul 1991, *R. Carter 8841* (VSC). **Cobb Co.:** 21 Aug 2007, *W. Zomlefer 1912* (GA). **Colquitt Co.:** 26 Jun 1988, *R. Carter 6799* (VSC). **Cook Co.:** *R. Carter 6820* (VSC). **DeKalb Co.:** 7 Jun 1995, *M. Moore 2202* (GA); 7/3/1893, *J. Small s.n.* (GA). **Early Co.:** 15 Jul 1947, *R. Thorne 5387* (GA). **Echols Co.:** 17 Jul 1965, *W. Faircloth 2340* (GA, VSC); 16 Sep 1979, *M. Norsworthy 552* (GA, VSC). **Evans Co.:** 3 Jun 1992, *Unknown 344* (GAS). **Evans Co.:** *T. Zebryk 344* (GA, VSC). **Fulton Co.:** 2 Jul 2007, *W. Zomlefer 1760* (GA). **Glascok Co.:** 22 Jul 2017, *P. Lowe 48* (VSC). **Glynn Co.:** 4 Jul 1988, *R. Carter 6954* (VSC); 8 Aug 1988, *R. Carter 7277* (VSC); 26 Aug 1988, *R. Carter 7434* (GA, VSC); 21 Sep 1991, *R. Carter 9244* (GA-2, VSC-2); 8 Aug 1998, *R. Carter 7277* (GA); 6 Oct 2003, *J. Schmidt s.n.* (GA). **Grady Co.:** 7 Aug 1987, *R. Carter 6009* (VSC); 23 Jul 1993, *L. Anderson 14489* (GA); 1 Jun 2002, *R. Kral 92669* (VSC); 5 Sep 2005, *R. Kral 96742* (VSC). **Gwinnett Co.:** 19 Jul 2003, *P. Hyatt 11478* (VSC). **Harris Co.:** 26 Aug 1971, *S. Jones 21424* (GA); 18 Aug 1998, *Crook 592* (GA). **Houston Co.:** 9 Aug 1987, *R. Carter 6056* (VSC); 24 Aug 1991, *D. Guynn 90* (GA); 11 Mar 1997, *D. Guynn 232* (GA). **Jasper Co.:** 5 Sep 1986, *R. Carter 5028* (VSC). **Johnson Co.:** 21 Aug 1994, *J. Harrison 194* (GA). **Lanier Co.:** 18 Sep 1991, *R. Carter 9159* (GA-2, VSC); 21 Apr 1994, *C. Wilson 247* (VSC). **Laurens Co.:** 20 Jul 2017, *P. Lowe 24* (VSC). **Lee Co.:** 1 Apr 1977, *W. Brumbach 9200* (GA). **Liberty Co.:** 17 Sep 1984, *S. Jones 24533* (GA). **Lowndes Co.:** 29 Jul 1965, *W. Faircloth 2521* (GA, VSC); 31 Jul 1967, *W. Faircloth 4588* (GA, VSC); 24 Aug 1985, *R. Carter 4414* (GA, VSC); 2 Sep 1985, *R. Carter 4434* (GA, VSC); 23 Aug 1987, *R. Carter 6179* (GA, VSC); *R. Carter 6180* (GA, VSC); 26 Feb 1994, *R. Carter 11652* (VSC). **Macon Co.:** 2 Sep 1990, *R. Norris 6174* (GA); 28 Jun 2013, *W. Zomlefer 3115a* (GA); *W. Zomlefer 3115b* (GA). **Madison Co.:** 9 Aug 1950, *W. Duncan 11731* (GA). **McIntosh Co.:** 7 Jul 1962, *J. Bozeman 871* (GAS). **McIntosh Co.:** 8 May 1954, *W. Duncan 17879* (GA); 19 Sep 1956, *W. Duncan 20568* (GA, VSC); 5 Jul 1958, *W. Harmer 23* (GA); 25 May 1959, *W. Harmer 630* (GA); 5 Jul 1959, *W. Harmer 734* (GA); 26 Jul 1959, *W. Harmer 799* (GA); 21 Aug 1959, *W. Harmer 839* (GA); *W. Harmer 840* (GA); 7 Jul 1962, *J. Bozeman 871* (GA); 14 Jun 1979, *S. Jones 23235* (GA); 21 Sep 1991, *R. Carter 9276* (GA-2, VSC). **Mitchell Co.:** 28 Sep 1991, *R. Carter 9360* (VSC); *R. Carter 9362* (VSC). **Monroe Co.:** 27 Jun 1987, *C. Howel 417* (GA); 21 Sep 1994, *J. Payne s.n.* (GA). **Montgomery Co.:** 10 Aug 2017, *P. Lowe 83* (VSC). **Morgan Co.:** 29 Sep 1979, *J. Hill 1241* (GAS). **Morgan Co.:** (GA, VSC). **Oconee Co.:** 7 Jul 1931, *L. Williams 31* (GA); 24 Aug 1992, *J. Seward 1503* (GA). **Oglethorpe Co.:** 24 Jul 2008, *P. Jackson 60* (GA). **Pickens Co.:** 14 Sep 1991, *R. Carter 9141* (GA-2, VSC). **Pike Co.:** 8 Sep 2007, *R. Carter 18015* (VSC). **Seminole Co.:** 1 Sep 1955, *R. Thorne 16743* (GA). **Spalding Co.:** 24 May 1935, A.

Mitchell s.n. (GA); 2 Jul 2004, *T. Murphy s.n.* (VSC); 10 Jul 2006, (VSC). **Sumter Co.:** 2 Sep 1990, *R. Norris 6174* (VSC). **Taylor Co.:** 10 Jul 1988, *R. Carter 7016* (GA, VSC). **Telfair Co.:** 20 Jul 2017, *P. Lowe 13* (VSC). **Thomas Co.:** 28 Sep 1991, *R. Carter 9313* (VSC); *R. Carter 9323* (VSC); *R. Carter 9325* (VSC); 25 Jul 2007, *R. Carter 17826* (VSC). **Tift Co.:** 7 Aug 2002, *C. Rausch 199* (VSC); 5 Jun 2009, *B. Sanderson 288* (VSC). **Upson Co.:** 8 Sep 2007, *R. Carter 18039* (VSC). **Ware Co.:** 18 Aug 1988, *R. Carter 7314* (VSC); *R. Carter 7324* (GA, VSC). **Wilkinson Co.:** 20 Jul 2017, *P. Lowe 26* (VSC).

Cyperus cuspidatus

NORTH AMERICA. UNITED STATES GEORGIA. Cook Co.: 2 Jul 1965, *W. Faircloth 2015* (GA); *W. Faircloth 2016* (GA, VSC); 5 Oct 2001, *C. Rausch 86* (VSC). **Decatur Co.:** 25 Aug 1982, *N. Coile 3054* (GA); *N. Coile 3085* (GA). **Grady Co.:** 7 Nov 1936, *J. Pyron 1210* (GA); 24 Oct 2001, *R. Kral 92071* (VSC). **Lowndes Co.:** 21 Aug 1994, *J. Lusk 176* (GA, VSC). **Thomas Co.:** 22 Oct 1965, *R. Godfrey 67416* (GA).

Cyperus xdeeringianus

NORTH AMERICA. UNITED STATES GEORGIA. Lowndes Co.: 20 Oct 1999, *G. Bennett 67* (VSC).

Cyperus dentatus

NORTH AMERICA. UNITED STATES GEORGIA. Chatham Co.: 10 Oct 1959, *E. Mellinger 2690* (GAS).

Cyperus difformis

NORTH AMERICA. UNITED STATES GEORGIA. Chatham Co.: 13 Jul 2006, *R. Carter 16937* (VSC). **Floyd Co.:** 14 Jul 2011, *M. Medley s.n.* (VSC). **Pierce Co.:** 1 Aug 2009, *R. Carter 19287* (GA, VSC).

Cyperus digitatus

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 1 Sep 2006, *R. Carter 17190* (VSC-4). **McIntosh Co.:** 31 Jul 1959, *W. Harmer 806* (GA); 17 Sep 1961, *W. Harmer 1351* (GA).

Cyperus distinctus

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 9 Jul 1996, *R. Carter 13184* (GA, VSC); 11 Sep 2004, *D. Giannasi 1062* (GA). **Chatham Co.:** 24 May 2012, *W. Zomlefer 2662* (GA). **Glynn Co.:** 28 Nov 1935, *J. Pyron 167* (GA); 26 Aug 1988, *R. Carter 7437* (GA, VSC); 21 Sep 1991, *R. Carter 9237* (GA-2, VSC). **Liberty Co.:** 24 Aug 1983, *S. Jones 23963* (GA); 25 Oct 1995, *J. Cruse 947* (GA). **McIntosh Co.:** 20 Sep 1956, *W. Duncan 20578* (GA); 21 Sep 1991, *R. Carter 9272* (GA, VSC).

Cyperus drummondii

NORTH AMERICA. UNITED STATES GEORGIA. Brooks Co.: 22 Jul 1995, *R. Carter 12532* (GA, VSC). **Camden Co.:** 9 Jun 2006, *R. Carter 16802* (VSC). **Chatham Co.:** 24 Aug 2012, *W. Zomlefer 2831* (GA). **Decatur Co.:** 5 Aug 1989, *R. Carter 8019* (GA, VSC-2); 13 Oct 1991, *R. Kral 80044* (VSC); 2 Oct 1998, *L. Anderson 18450* (GA). **Dougherty Co.:** 9 Jun 1931, *P. Shelley 43* (GA). **Miller Co.:** 16 Aug 2007, *R. Carter 17998* (VSC). **Mitchell Co.:** 15 Oct 2003, *R. Kral 94576* (VSC); 26 May 2005, *R. Kral 96439* (VSC). **Pierce Co.:** 19 Jun 1992, *R. Carter 9861* (VSC); *R. Carter 9863* (GA, VSC). **Thomas Co.:** 22 Jun 2002, *R. Kral 92784* (VSC); 14 Jun 2006, *R. Carter 16842* (VSC); 25 Jul 2007, *R. Carter 17823* (VSC). **Tift Co.:** 26 Jun 1993, *R. Kral 82744* (VSC). **Worth Co.:** 28 Jun 1993, *R. Carter 10863* (GA, VSC).

Cyperus echinatus

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 16 Jul 1947, *R. Thorne 5400* (GA); 7 Aug 2007, *R. Carter 17955* (VSC). **Bartow Co.:** 13 Jun 1948, *W. Duncan 8309* (GA); 13 Sep 1991, *R. Carter 9108* (GA, VSC). **Bibb Co.:** 18 Sep 1951, *B. Flanders 80* (GA); 9 Aug 1987, *R. Carter 6041* (VSC); 23 Jul 2002, *J. Nelson 22953* (GA). **Bryan Co.:** 30 Jun 1992, *R. Carter 10011* (GAS). **Bryan Co.:** (GA, VSC). **Calhoun Co.:** 14 Jun 1947, *R. Thorne 4676* (GA). **Catoosa Co.:** 7 Oct 2012, *J. Shaw s.n.* (GA). **Chatham Co.:** 15 May 1959, *M. Mellinger 759* (GAS); 5 Nov 1960, *M. Mellinger 2105* (GAS). **Chatham Co.:** 4 Nov 1997, *T. Govus 897* (GA). **Cherokee Co.:** 2 Aug 2011, *R. Carter 20308* (GA, VSC). **Colquitt Co.:** 25 Jul 2007, *R. Carter 17799* (VSC); 20 Jun 2013, *R. Carter 21052* (VSC); 17 Jul 2013, *R. Carter 21144* (VSC); *R. Carter 21145* (VSC). **Columbia Co.:** 23 May 1937, *J. Pyron 1666* (GA). **DeKalb Co.:** 7/2/1893, *J. Carter s.n.* (GA). **Dougherty Co.:** 3 Jul 1987, *R. Godfrey 82436* (VSC); 7 Aug 2007, *R. Carter 17918* (VSC). **Elbert Co.:** 5 Jun 1979, *W. Credle 826* (GA). **Floyd Co.:** 19 Jun 1939, *H. Jones s.n.* (GA). **Forsyth Co.:** 18 Aug 1955, *W. Duncan 19527* (GA). **Gordon Co.:** 23 Jun 1998, *C. Howel 2235* (GA); 22 Sep 2000, *C. Gomez 2376* (GA). **Gwinnett Co.:** 24 Jul 2007, *W. Zomlefer 1848* (GA); *W. Zomlefer 1850* (GA). **Hall Co.:** 15 Jun 1955, *W. Duncan 18858* (GA); 14 Aug 2004, *P. Hyatt 11761* (GA, VSC). **Harris Co.:** 7 Jul 1999, *Sweeney 602* (GA). **Houston Co.:** 9 Aug 1987, *R. Carter 6055* (VSC); 23 Jun 2006, *L. Echols 579* (GA); 1 Jul 2009, *P. Lynch 390* (GA). **Jackson Co.:** 15 Oct 1936, *J.*

Pyron 1081 (GA). **Jasper Co.:** 28 Jul 2012, *S. Sewell 593* (GA); 16 Sep 2012, *S. Sewell 829* (GA, VSC). **Jeff Davis Co.:** 27 Aug 2013, *R. Carter 21303* (VSC). **Jones Co.:** 3 Jul 1999, *Sweeney 897* (GA); 14 Aug 1999, *Sweeney 906* (GA). **Lowndes Co.:** 28 Sep 1987, *R. Carter 6404* (VSC); 16 Jul 1994, *C. Wilson 283* (VSC); *C. Wilson 289* (VSC); 23 Jul 2013, *R. Carter 21198* (VSC); *R. Carter 21199* (VSC); *R. Carter 21200* (VSC); *R. Carter 21210* (VSC); *R. Carter 21211* (VSC); *R. Carter 21212* (VSC); *R. Carter 21213* (VSC). **Lumpkin Co.:** 14 Aug 1997, *R. Carter 14066* (VSC). **Miller Co.:** 10 Sep 2013, *R. Carter 21339* (VSC). **Mitchell Co.:** 17 Jul 2007, *R. Carter 17717* (VSC). **Morgan Co.:** 2 Sep 1979, *J. Hill 1138* (GA); 25 Jul 1992, *J. Seward 1452* (GA). **Murray Co.:** 2 Jul 2012, *R. Carter 20473* (VSC). **Oglethorpe Co.:** 8 Aug 1941, *W. Duncan 3836* (GA). **Paulding Co.:** 1 Aug 1948, *W. Duncan 8628* (GA); 13 Sep 1991, *R. Carter 9114* (GA, VSC); *R. Carter 9116* (GA-2, VSC). **Taylor Co.:** 1 Aug 2011, *R. Carter 20299* (VSC). **Thomas Co.:** 25 Jun 2001, *L. Anderson 19784* (GA); 14 Jun 2006, *R. Carter 16840* (VSC); 25 Jul 2007, *R. Carter 17827* (VSC). **Towns Co.:** 14 Sep 1991, *R. Carter 9151* (GA-2, VSC). **Twiggs Co.:** 4 Jul 1936, *J. Pyron 763* (GA). **Union Co.:** 14 Sep 1991, *R. Carter 9148* (GA-2, VSC). **Walker Co.:** 19 Aug 1981, *N. Coile 2366* (GA); 1 Sep 2010, *L. Chafin s.n.* (GA). **Worth Co.:** 10 Jul 2007, *R. Carter 17662* (VSC).

Cyperus entrerianus

NORTH AMERICA. UNITED STATES GEORGIA. **Brantley Co.:** 4 Jul 1988, *R. Carter 6960* (GA, VSC); 21 Sep 1991, *R. Carter 9227* (GA-2, VSC). **Bryan Co.:** 14 Jul 1992, *R. Carter 10124* (GA, VSC); 14 Jul 2006, *R. Carter 16969* (VSC). **Camden Co.:** 4 Jul 1988, *R. Carter 6935* (GA, VSC). **Chatham Co.:** 13 Jul 2006, *R. Carter 16939* (VSC). **Echols Co.:** 9 Jul 1991, *R. Carter 8806* (GA-2, VSC). **Evans Co.:** 9 Jul 1992, *R. Carter 10094* (GAS). **Evans Co.:** (GA, VSC). **Glynn Co.:** 26 Aug 1988, *R. Carter 7435* (GA, VSC). **Liberty Co.:** *R. Carter 7447* (GA, VSC). **Long Co.:** 14 Jul 2006, *R. Carter 16981* (VSC). **Oconee Co.:** 25 Aug 2008, *G. Galau 0808-55* (GA). **Pierce Co.:** 23 Jul 1992, *R. Carter 10244* (GA, VSC). **Tattnall Co.:** 23 Jun 2006, *R. Carter 16856* (VSC). **Ware Co.:** 2 Sep 1987, *R. Carter 6296* (GA, VSC); 18 Aug 1988, *R. Carter 7319* (VSC).

Cyperus erythrorhizos

NORTH AMERICA. UNITED STATES GEORGIA. **Baker Co.:** 9 Sep 1990, *R. Godfrey 83977* (GA, VSC); 13 Oct 1995, *L. Anderson 15969* (GA). **Bibb Co.:** 31 Oct 2003, *J. Nelson 24375* (GA). **Calhoun Co.:** 27 Sep 1947, *R. Thorne 6881* (GA). **Camden Co.:** 21 May 1997, *J. Sharpe 511* (GA). **Charlton Co.:** 16 Sep 1993, *K. Williges 111* (GA). **Cherokee Co.:** 9 Aug 2011, *D. Floyd 239* (GA). **Clarke Co.:** 3 Oct 1947, *C. Dobby 40* (GA). **Cobb Co.:** 22 Sep 2001, *J. Cruse-Sanders 117* (GA). **DeKalb Co.:** 20 Jun 1995, *M. Moore 2229* (GA). **Dougherty Co.:** 1 Nov 2010, *R. Carter 20124* (VSC); *R. Carter 20131* (VSC); *R. Carter 20133* (VSC). **Elbert Co.:** 18 Aug 1980, *W. Credle 3034* (GA). **Grady Co.:** 7 Sep 1965, *W. Faircloth 2987* (GA, VSC); 14 May 2001, *R. Kral 91086* (VSC). **Hall Co.:** 8 Sep 1980, *J. Manhart 169* (GA). **Irwin Co.:** 16 Sep 2003, *R. Kral 94488* (VSC). **Lanier Co.:** 4 Aug 1965, *W. Faircloth 2653* (GA, VSC). **Lee Co.:** 27 Jun 1990, *R. Norris 6087* (GA, VSC); 29 Oct 1990, *R. Norris 6248* (GA, VSC). **Long Co.:** 6 Oct 1962, *J. Bozeman 1759* (VSC); *J. Bozeman 1760* (GA). **Lowndes Co.:** 13 Oct 1970, *W. Faircloth 6958* (VSC); 8 Aug 1989, *W. Faircloth 8905* (GA, VSC-2); 11 Aug 1990, *C. Bryson 10139* (VSC). **Macon Co.:** 3 Sep 1987, *R. Norris 5444* (GA, VSC); 13 Aug 1995, *R. Kral 85535* (VSC); 8 Aug 2013, *W. Zomlefer 3229* (GA-2). **McIntosh Co.:** 7 Oct 1962, *J. Bozeman 2286* (GAS). **McIntosh Co.:** 23 Jul 1958, *J. Scharnagel 15* (GA); 22 Sep 1959, *W. Harmer 912* (GA); 18 Jul 1960, *W. Harmer 1127* (GA); *W. Harmer 1128* (GA); 21 Sep 1991, *R. Carter 9270* (GA-2, VSC). **Morgan Co.:** 19 Aug 1978, *J. Hill 616* (GA); 21 Sep 1979, *J. Hill 1186* (GA). **Richmond Co.:** 28 Aug 1991, *M. Moore 1328* (GA, VSC). **Thomas Co.:** 28 Sep 1991, *R. Carter 9318* (VSC). **Tift Co.:** 20 Oct 2009, *B. Sanderson 577* (VSC). **Unknown Co.:** 11 Nov 1958, *M. Mellinger 909* (GAS). **Upton Co.:** 9 Sep 2007, *R. Carter 18049* (VSC). **Walton Co.:** 2 Sep 1992, *J. Seward 1554* (GA). **Ware Co.:** 3 Sep 1958, *E. Cypert 155* (GA).

Cyperus esculentus

NORTH AMERICA. UNITED STATES GEORGIA. **Bartow Co.:** 13 Sep 1991, *R. Carter 9124* (GA). **Brantley Co.:** 21 Sep 1991, *R. Carter 9228* (GA-2). **Bryan Co.:** 22 Jul 1992, *R. Carter 10217* (GA). **Camden Co.:** 23 Jul 1996, *R. Carter 13341* (GAS). **Camden Co.:** 8 Sep 1973, *J. Worthington 139* (GA); 12 Oct 1996, *R. Carter 13918* (GA); 11 Sep 2004, *D. Giannasi 1058* (GA). **Chatham Co.:** 7 May 1960, *M. Mellinger 1440* (GAS); 5 Aug 1992, *Unknown 543* (GAS). **Chatham Co.:** 9 Jul 1958, *W. Duncan 21191* (GA); 5 Aug 1992, *T. Zebryk 543* (GA). **Clayton Co.:** 10 Jul 1947, *H. Talmadge s.n.* (GA). **Early Co.:** 22 Oct 2003, *R. Kral 94599* (VSC). **Emanuel Co.:** 21 Aug 1982, *M. Larkin 15* (GAS-2). **Fannin Co.:** 14 Sep 1991, *R. Carter 9147* (GA). **Glascok Co.:** 22 Jul 2017, *P. Lowe 52* (VSC). **Glynn Co.:** 3 Sep 1948, *R. Thorne 8847* (GA); 19 Oct 1974, *W. Duncan 29166A* (GA); 2 Nov 1974, *W. Duncan 29167* (GA); 26 Aug 1988, *R. Carter 7421a* (VSC). **Lanier Co.:** 16 Jul 1994, *C. Wilson 302* (VSC). **Liberty Co.:** 17 Sep 1984, *S. Jones 24526A* (GA). **McIntosh Co.:** 14 Jun 1959, *W. Harmer 666* (GA); 4 Jul 1961, *W. Harmer 1316* (GA); 13 Jun 1979, *S. Jones 23204* (GA); 14 Jun 1979, *S. Jones 23272* (GA); 19 Nov 2001, *A. Beckman 536* (GA). **Mitchell Co.:** 4 Nov 1947, *R. Thorne 7470* (GA). **Sumter Co.:** 7 Sep 1997, *R. Norris 6901* (GA). **Turner Co.:** 13 Aug 2009, *E. Prostko s.n.* (VSC). **Unknown Co.:** 5 Nov 1960, *M. Mellinger 2077* (GAS). **Walker Co.:** 1 Sep 2010, *L. Chafin s.n.* (GA).

Cyperus filicinus

NORTH AMERICA. UNITED STATES GEORGIA. **Baker Co.:** 6 Aug 1992, *L. Kirkman 2436* (VSC). **Brantley Co.:** 21 Sep 1991, *R. Carter 9224* (VSC). **Chatham Co.:** 5 Nov 1960, *E. Mellinger 2072* (GAS); *M. Mellinger 2071* (GAS). **Chatham Co.:** 9 Jul 1958, *W. Duncan 21190* (GA); 5 Aug 1958, *W. Duncan 21402* (GA). **McIntosh Co.:** 18 Sep 1956, *W. Duncan 20553* (GAS). **McIntosh Co.:** 18 Jun 1959, *W. Harmer 672* (GA); 19 Sep 1961, *W. Harmer 1359* (GA).

Cyperus filiculmis

NORTH AMERICA. UNITED STATES GEORGIA. Bacon Co.: 18 Aug 1988, *R. Carter 7354* (GA, VSC). **Baker Co.:** 22 May 1947, *R. Thorne 4099* (GA); 7 Jul 1989, *C. Owsley 1040* (GA); 6 Aug 1992, *K. Kirkman 2436* (GA). **Brantley Co.:** 4 Sep 1985, *R. Carter 4512* (VSC); 21 Sep 1991, *R. Carter 9224* (GA-2). **Brooks Co.:** 8 Jul 1966, *W. Faircloth 3360* (GA, VSC). **Bryan Co.:** 7 Jul 1992, *R. Carter 10077* (GA, VSC); 1 Aug 2009, *R. Carter 19283* (VSC). **Camden Co.:** 11 Oct 1996, *R. Carter 13886* (GA); 17 Jun 2004, *D. Giannasi 1024* (GA). **Candler Co.:** 2 Aug 1965, *C. Roach s.n.* (GAS); *J. Nuttins 304* (GAS); *M. Fordham s.n.* (GAS); *W. Tanner 286* (GAS). **Chatham Co.:** 14 Jun 1958, *W. Duncan 20993* (GAS); 9 Aug 1958, *W. Duncan 21498* (GAS); 30 Nov 1959, *M. Mellinger 1771* (GAS). **Chatham Co.:** 9 Aug 1958, *W. Duncan 21498* (GA). **Coffee Co.:** 18 Aug 1969, *R. Norris 1334* (VSC-2); 20 Aug 1969, *R. Norris 1344* (VSC); 26 Sep 1987, *W. Faircloth 8869* (VSC); 2 Aug 2013, *R. Carter 21240* (VSC). **Colquitt Co.:** 4 Aug 1953, *W. Duncan 17126* (GA); 12 Jul 1966, *W. Faircloth 3403* (GA, VSC); 26 Jun 1988, *R. Carter 6802* (VSC); 25 Jul 2007, *R. Carter 17798* (VSC); 20 Jun 2013, *R. Carter 21053* (VSC). **Dougherty Co.:** 14 Aug 1947, *R. Thorne 6087* (GA). **Emanuel Co.:** 29 Aug 1929, *H. McKay s.n.* (GA). **Evans Co.:** 20 Aug 1992, *R. Carter 10401* (VSC). **Glascok Co.:** 22 Jul 2017, *P. Lowe 43* (VSC). **Irwin Co.:** 24 Aug 1965, *W. Faircloth 2860* (GA, VSC); 22 Aug 1968, *W. Faircloth 5440* (VSC); 1 Oct 2009, *B. Sanderson 550* (VSC). **Lanier Co.:** 18 Jul 1966, *W. Faircloth 3593* (GA, VSC). **Liberty Co.:** 25 Aug 1992, *R. Carter 10408* (VSC). **Long Co.:** 8 Aug 1988, *R. Carter 7252* (VSC). **Lowndes Co.:** 31 Jul 1967, *W. Faircloth 4596* (GA, VSC); 10 Sep 1969, *W. Faircloth 6125* (VSC); 16 Jul 1994, *C. Wilson 287* (VSC). **Macon Co.:** 28 Jun 2013, *W. Zomlefer 3107* (GA). **McIntosh Co.:** 7 Oct 1962, *J. Bozeman 2152* (GAS). **McIntosh Co.:** 9 Jul 1992, *K. Heafner s.n.* (GA). **Miller Co.:** 16 Aug 2007, *R. Carter 17989* (VSC); *R. Carter 17990* (VSC). **Mitchell Co.:** 17 Jul 2007, *R. Carter 17728* (VSC). **Tattnell Co.:** 16 Jun 1948, *A. Cronquist 5350* (GA); 20 Oct 1987, *J. Angerman s.n.* (GA). **Thomas Co.:** 25 Jul 2007, *R. Carter 17828* (VSC); 10 Jul 2013, *R. Carter 21124* (VSC-2). **Worth Co.:** 10 Jul 2007, *R. Carter 17671* (VSC).

Cyperus flavescens

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 12 Aug 1951, *W. Duncan 12959* (GA); 11 Sep 1989, *R. Kral 77137* (GA). **Ben Hill Co.:** 19 Jul 1967, *W. Faircloth 4676* (GA); 19 Aug 1967, (VSC). **Brooks Co.:** 5 Aug 1989, *R. Carter 8014* (VSC). **Butts Co.:** 9 Aug 1987, *R. Carter 6038* (VSC); 18 Sep 1988, *C. Howel 1683* (GA). **Catoosa Co.:** 12 Aug 1951, *W. Duncan 12973* (GA). **Charlton Co.:** 24 Oct 1997, *R. Carter 14080* (VSC). **Cherokee Co.:** 25 Sep 1948, *W. Duncan 8997* (GA). **Clarke Co.:** 20 Sep 1946, *A. Cronquist 4153* (GA); 20 Nov 2008, *G. Galau 0808-92* (GA). **Dawson Co.:** 4 Oct 1936, *J. Pyron 1018* (GA). **DeKalb Co.:** 3 Sep 1996, *M. Moore 2562* (GA). **Glynn Co.:** 21 Sep 1991, *R. Carter 9250* (VSC). **Houston Co.:** 9 Aug 1987, *R. Carter 6050* (GA, VSC). **Liberty Co.:** 16 Jul 1992, *R. Carter 10172* (GA, VSC); *R. Carter 10186* (GA, VSC). **Lowndes Co.:** 22 Jul 1994, *C. Wilson 320* (VSC). **Lumpkin Co.:** 16 Aug 1997, *R. Carter 14069* (GA, VSC); 25 Jul 2001, *L. Kruse 01-529* (GA). **Macon Co.:** 17 Sep 2013, *W. Zomlefer 3273* (GA). **Madison Co.:** 5 Aug 1950, *W. Duncan 11624* (GA, VSC). **Meriwether Co.:** 15 Sep 1972, *S. Jones 22275* (GA). **Miller Co.:** 15 Jul 1947, *R. Thorne 5369* (GA). **Morgan Co.:** 27 Aug 1978, *J. Hill 705* (GA). **Oglethorpe Co.:** 4 Aug 1941, *W. Duncan 3818* (GA); 30 Sep 1966, *F. Montgomery 709* (GA). **Pickens Co.:** 14 Sep 1991, *R. Carter 9138* (GA-2, VSC). **Rabun Co.:** 5 Sep 1911, *J. Reade s.n.* (GA); 15 Sep 1995, *M. Mellinger 782* (GA). **Richmond Co.:** 5 Sep 1938, *A. Radford 44* (GA). **Walton Co.:** 3 Oct 1936, *J. Pyron 985* (GA). **Ware Co.:** 18 Aug 1988, *R. Carter 7330* (GA, VSC).

Cyperus flavicomus

NORTH AMERICA. UNITED STATES GEORGIA. Chatham Co.: 10 Sep 1959, *E. Mellinger 1349* (GAS); 30 Sep 1960, *M. Mellinger 1587* (GAS). **Oglethorpe Co.:** 4 Aug 1941, *W. Duncan 3811* (GA); 30 Sep 1966, *F. Montgomery 710* (GA).

Cyperus fraternus

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 7 Aug 2007, *R. Carter 17959* (VSC). **Decatur Co.:** 23 Oct 2005, *R. Kral 96953B* (VSC). **Miller Co.:** 16 Aug 2007, *R. Carter 17997* (VSC).

Cyperus giganteus

NORTH AMERICA. UNITED STATES GEORGIA. Tift Co.: 11 Sep 2009, *B. Sanderson 500* (VSC).

Cyperus granitophilus

NORTH AMERICA. UNITED STATES GEORGIA. Barrow Co.: 4 Oct 1936, *J. Pyron 990* (GA); 12 Oct 1983, *J. Allison 1888* (GA). **Columbia Co.:** 6 Nov 1938, *J. Pyron 86* (GA). **DeKalb Co.:** 24 Sep 1978, *J. Allison 645* (GA); 1 Aug 1989, *R. Carter 8007* (GA, VSC-3); 3 Sep 1996, *M. Moore 2558* (GA). **Douglas Co.:** 31 Aug 1980, *J. Allison 1631* (GA). **Fayette Co.:** 6 Nov 1979, *J. Allison 1062* (GA); 16 Oct 1983, *J. Allison 1898* (GA). **Fulton Co.:** *J. Allison 1890* (GA). **Greene Co.:** 25 Sep 1937, *J. Pyron 1845* (GA); 26 Sep 1971, *S. Jones 21533* (GA). **Gwinnett Co.:** 24 Mar 1980, *J. Allison 1248* (GA). **Harris Co.:** 9 Mar 1980, *J. Allison 1225* (GA); 2 Sep 1985, *J. Allison 2557* (GA). **Heard Co.:** 31 Aug 1985, *J. Allison 2514* (GA). **Henry Co.:** 19 Oct 1983, *J. Allison 1919* (GA). **Jackson Co.:** 15 Oct 1936, *J. Pyron 1080* (GA). **Meriwether Co.:** 30 Jul 1953, *W. Duncan 16808* (GA); 6 Nov 1983, *J. Allison 1942* (GA). **Muscogee Co.:** 31 Aug 1985, *J. Allison 2550* (GA). **Oglethorpe Co.:** 28 Aug 1940, *R. McVaugh 5370* (GA). **Pike Co.:** 24 Oct 1937, *J. Pyron 1932* (GA). **Putnam Co.:** 19 Aug 1940, *R. McVaugh 5159* (GA); 18 Nov 1979, *J. Allison 1130* (GA). **Rockdale Co.:** 30 Nov 1983, *J.*

Allison 1959 (GA). **Spalding Co.:** 10 Nov 1979, *J. Allison 1088* (GA). **Upson Co.:** 18 Feb 1939, *J. Pyron 129* (GA). **Walton Co.:** 8 Dec 1935, *J. Pyron 350* (GA); 3 Oct 1936, *R. McVaugh 971* (GA).

Cyperus grayi

NORTH AMERICA. UNITED STATES GEORGIA. Chatham Co.: 12 Jun 2012, *W. Zomlefer 2721* (GA). **Coffee Co.:** 20 Aug 1969, *R. Norris 1345* (VSC); 29 Jul 1994, *R. Kral 83925* (VSC). **Emanuel Co.:** 5 Aug 1979, *R. Kral 64202* (GA). **Long Co.:** 6 Oct 1962, *J. Bozeman 1673* (GAS). **Long Co.:** 13 Jul 1962, *J. Bozeman 1224* (GA). **McIntosh Co.:** 12 Aug 2009, *R. Carter 19365* (GA, VSC). **Tattnall Co.:** 21 Aug 1940, *W. Duncan 2734* (GA); 7 Sep 1967, *C. Marcks 1321* (GA); 9 Aug 1975, *R. Kral 56286* (VSC). **Tift Co.:** 10 Sep 1947, *R. Thorne 6598* (GA). **Wheeler Co.:** 1 Oct 2004, *P. Hyatt 11774* (VSC).

Cyperus haspan

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 28 Jul 1992, *K. Kirkman 2387* (GA); *L. Kirkman 2387* (VSC). **Berrien Co.:** 19 Aug 1950, *W. Duncan 11809* (GA); 24 Aug 1965, *W. Faircloth 2881* (GA, VSC); 26 Jun 1988, *R. Carter 6840* (VSC). **Bibb Co.:** 18 Sep 1951, *B. Flanders 86* (GA). **Brantley Co.:** 4 Jul 1988, *R. Carter 6957* (VSC); 8 Aug 1988, *R. Carter 7292* (VSC). **Bulloch Co.:** 23 Aug 1961, *J. Boole 1196* (GAS-4); 2 Nov 1964, *D. Hall 122* (GAS); 13 Nov 1964, *P. Hooper 74* (GAS). **Calhoun Co.:** 14 Jun 1947, *R. Thorne 4707* (GA); 19 Aug 2009, *R. Carter 19385* (VSC). **Camden Co.:** 13 Aug 1974, *J. Worthington 266* (GA); 26 Aug 1990, *G. Krakow 975* (GA); 9 Jul 1996, *R. Carter 13176* (VSC); 10 Aug 2007, *R. Carter 17976* (VSC). **Charlton Co.:** 17 Oct 1979, *J. Loew 1329* (GA-2); 24 Oct 1997, *R. Carter 14086* (GA, VSC). **Chatham Co.:** 15 Jul 1958, *W. Duncan 21326* (GA); 2 Aug 1959, *M. Mellinger 1069* (GAS); 28 Sep 1960, *M. Mellinger 1660* (GAS). **Chatham Co.:** 15 Jul 1958, *W. Duncan 21326* (GA). **Clay Co.:** 28 Sep 1991, *R. Carter 9386* (VSC). **Clinch Co.:** 4 Jul 1969, *R. Norris 1179* (VSC). **Coffee Co.:** 18 Aug 1969, *R. Norris 1311a* (VSC). **Colquitt Co.:** 18 Jul 2013, *R. Carter 21167* (VSC). **Cook Co.:** 19 Jul 1965, *W. Faircloth 2379* (GA, VSC); 23 Sep 1967, *W. Faircloth 4896* (VSC); 5 Oct 2001, *C. Rausch 64* (VSC). **DeKalb Co.:** 16 Dec 1983, *J. Allison 1968* (GA-2); 15 Aug 1984, *J. Allison 2366* (GA). **Dougherty Co.:** 28 Jun 1947, *R. Thorne 5000* (GA); 3 Aug 2001, *R. Kral 91714* (VSC). **Early Co.:** 6 Sep 2002, *R. Kral 93149* (VSC). **Echols Co.:** 16 Jul 1965, *W. Faircloth 2320* (GA, VSC); 9 Jul 1991, *R. Carter 8812* (GA, VSC). **Evans Co.:** 9 Jul 1992, *R. Carter 10098* (GA, VSC). **Glynn Co.:** 19 Sep 1978, *W. Duncan 30497* (GA); 4 Oct 1982, *J. Angerman s.n.* (GA); 21 Sep 1991, *R. Carter 9239* (GA, VSC). **Grady Co.:** 8 Aug 2001, *R. Kral 91789* (VSC); 8 Aug 2005, *R. Kral 96699* (VSC); 9 Sep 2005, *R. Kral 96759* (VSC). **Johnson Co.:** 31 Aug 1994, *J. Harrison 195* (GA). **Lanier Co.:** 30 Jul 1965, *J. Norsworthy 2541* (VSC); *W. Faircloth 2541* (GA); 25 Oct 1970, *R. Volosen 96* (VSC); 23 Jul 1992, *R. Carter 10252* (VSC). **Liberty Co.:** 23 Oct 1992, *Unknown 757* (GAS). **Liberty Co.:** 24 Aug 1983, *S. Jones 23962* (GA); 23 Oct 1992, *T. Zebryk 757* (GA, VSC). **Lowndes Co.:** 10 Jun 1967, *R. Norris 858* (VSC); 23 Aug 1987, *R. Carter 6185* (GA, VSC). **Macon Co.:** 1 Aug 1987, *R. Norris 5403* (GA); 22 Sep 1996, *R. Norris 6761* (GA); 17 Sep 2013, *W. Zomlefer 3283* (GA). **McIntosh Co.:** 21 Sep 1956, *W. Duncan 20589* (GAS); 7 Oct 1962, *J. Bozeman 2376* (GAS). **McIntosh Co.:** 21 Sep 1956, *W. Duncan 20589* (GA, VSC); 12 Aug 1959, *W. Harmer 821* (GA, VSC); 14 Sep 1959, *W. Harmer 933* (GA); 25 Aug 1960, *W. Harmer 1161* (GA); 5 Nov 1960, *W. Harmer 1189* (GA); 15 Sep 1961, *W. Harmer 1343* (GA); 8 Aug 1988, *R. Carter 7270* (GA, VSC); 28 May 1992, *C. Nordman s.n.* (GA). **Mitchell Co.:** 28 Sep 1991, *R. Carter 9340* (VSC). **Montgomery Co.:** 10 Aug 2017, *P. Lowe 60* (VSC). **Seminole Co.:** 15 Sep 1999, *R. Liebermann 99-8600-144* (GA). **Spalding Co.:** 06/23/1899, *M. Riegel s.n.* (GA). **Tattnall Co.:** 17 Oct 1959, *J. Boole 1016* (GAS). **Telfair Co.:** 4 Nov 1988, *V. Bates 8866* (GA, VSC). **Terrell Co.:** 19 Aug 2009, *R. Carter 19412* (GA, VSC). **Thomas Co.:** 11 Aug 1991, *S. Orzell 17427* (GA); 28 Sep 1991, *R. Carter 9315* (VSC). **Tift Co.:** 24 Aug 1965, *W. Faircloth 2840* (GA, VSC); 16 Sep 2003, *R. Kral 94510* (VSC); 15 Sep 2009, *B. Sanderson 510* (VSC); 22 Oct 2009, *B. Sanderson 581* (VSC). **Treutlen Co.:** 14 Jul 1994, *R. Kral 83802* (VSC). **Walton Co.:** 20 Sep 1983, *J. Allison 1866* (GA). **Ware Co.:** 8 Aug 1988, *R. Carter 7307* (GA, VSC). **Wayne Co.:** 14 Nov 1964, *W. Duncan 22403* (VSC). **Wilcox Co.:** 9 Aug 1987, *R. Carter 6061* (GA); 19 Aug 1987, (VSC).

Cyperus hystericus

NORTH AMERICA. UNITED STATES GEORGIA. Coffee Co.: 20 Aug 1969, *R. Norris 1338* (VSC); 2 Aug 2013, *R. Carter 21241* (VSC). **Jasper Co.:** 10 Jul 1967, *S. Jones 14207* (GA). **Lincoln Co.:** 29 Jun 1949, *W. Duncan 9849* (GA). **Macon Co.:** 8 Aug 2013, *W. Zomlefer 3203* (GA). **Mitchell Co.:** 28 Sep 1991, *R. Carter 9377* (VSC). **Talbot Co.:** 30 Jul 1953, *W. Duncan 16784* (GA). **Taylor Co.:** 18 Jul 1948, *A. Cronquist 5528* (GA).

Cyperus iria

NORTH AMERICA. UNITED STATES GEORGIA. Appling Co.: 23 Jun 2006, *R. Carter 16847* (VSC). **Atkinson Co.:** 20 Jul 2017, *P. Lowe 6* (VSC). **Baker Co.:** 20 Jun 1947, *R. Thorne 4862* (GA); 7 Aug 2007, *R. Carter 17958* (VSC). **Berrien Co.:** 9 Aug 1987, *R. Carter 6064* (GA, VSC). **Bibb Co.:** 29 Jun 2003, *L. Gaddy s.n.* (GA). **Brooks Co.:** 5 Aug 1989, *R. Carter 8010* (GA, VSC). **Chatham Co.:** 12 Aug 1958, *W. Duncan 21532* (GAS); 21 Aug 1958, (GAS); 25 Sep 1960, *M. Mellinger 1676* (GAS). **Chatham Co.:** 12 Aug 1958, *W. Duncan 21532* (GA); 14 Jul 2006, *R. Carter 16964* (VSC). **Clarke Co.:** 6 Oct 1979, *J. Manhart 20* (GA); 12 Oct 1979, *W. Duncan 30672* (GA); 12 Oct 2000, *A. McKenney 122* (GA); 23 Jun 2007, *A. Laurendine 18* (GA). **Decatur Co.:** 25 Aug 1982, *N. Coile 3083* (GA); 28 Aug 1982, *N. Coile 3158* (GA); 5 Aug 1989, *R. Carter 8021* (GA, VSC); 1 Jun 2006, *M. Czarnota s.n.* (VSC). **DeKalb Co.:** 3 Sep 1996, *M. Moore 2556* (GA). **Early Co.:** 22 Oct 2003, *R. Kral 94612* (VSC). **Elbert Co.:** 10 Oct 1979, *W. Credle 2633* (GA). **Fulton Co.:** 6 Nov 2007, *W. Zomlefer 2080* (GA). **Glascok Co.:** 22 Jul 2017, *P. Lowe 53* (VSC); *P. Lowe 55* (VSC). **Glynn Co.:** 26 Aug 1988, *R. Carter 7426* (GA, VSC). **Gordon Co.:** 13 Sep 1991, *R. Carter 9130* (GA-2, VSC). **Grady Co.:** 16 Aug 2003, *R. Kral 94388A* (VSC); 25 Jul 2005, *R. Kral 96681* (VSC); 9 Sep 2005, *R. Kral 96748* (VSC). **Gwinnett Co.:** 10 Jul 2003, *P. Hyatt 11484* (VSC); 16 Aug 2007, *P. Hyatt 12177* (VSC). **Harris Co.:** 26 Aug 1971, *S. Jones 21440* (GA). **Houston Co.:** 25 Aug 1994, *R. Kral 84136* (VSC). **Lowndes Co.:** 30 Aug 1968, *R. Norris 1054* (VSC); 20 Jul 1988,

R. Carter 7091 (GA, VSC); 16 Jul 1994, *C. Wilson 290* (VSC). **Macon Co.:** 17 Sep 2013, *W. Zomlefer 3244* (GA). **McDuffie Co.:** 8 Nov 2002, *M. Czarnota s.n.* (VSC). **McIntosh Co.:** 11 Jul 1959, *W. Harmer 758* (GA); 22 Aug 1959, *W. Harmer 843* (GA); 6 Oct 1959, *W. Harmer 940* (GA); *W. Harmer 944* (GA); 19 Sep 1961, *W. Harmer 1360* (GA, VSC). **Meriwether Co.:** 30 Jul 1953, *W. Duncan 16799* (GA). **Mitchell Co.:** 5 Aug 2002, *R. Kral 92981* (VSC). **Morgan Co.:** 9 Sep 1979, *J. Hill 1166* (GA). **Paulding Co.:** 13 Sep 1991, *R. Carter 9118* (VSC). **Tattnall Co.:** 9 Jul 1992, *R. Carter 10110* (GAS). **Tattnall Co.:** (GA, VSC). **Thomas Co.:** 28 Sep 1991, *R. Carter 9328* (VSC). **Tift Co.:** 1 Aug 2001, *C. Bryson 18972* (VSC).

Cyperus lancastriensis

NORTH AMERICA. UNITED STATES GEORGIA. Bibb Co.: 9 Aug 1987, *R. Carter 6043* (VSC). **Cherokee Co.:** 1 Aug 1989, *R. Carter 8004* (GA, VSC); 2 Aug 2011, *R. Carter 20309* (VSC). **Dawson Co.:** 27 Jul 1955, *W. Duncan 19246* (GA); 2 Aug 2011, *R. Carter 20306* (GA, VSC). **Gilmer Co.:** 21 Jul 1973, *R. Kral 50862* (VSC). **Jasper Co.:** 5 Sep 1986, *R. Carter 5022* (VSC-2). **Lowndes Co.:** 22 Jul 1994, *C. Wilson 316* (VSC). **Lumpkin Co.:** 17 Aug 1997, *R. Carter 14071* (GA, VSC). **Madison Co.:** 5 Aug 1950, *W. Duncan 11632* (GA). **Oconee Co.:** 5 Jul 1992, *J. Seward 1370* (GA). **Paulding Co.:** 13 Sep 1991, *R. Carter 9117* (VSC). **Stephens Co.:** 27 Jun 1964, *W. Faircloth 1268* (VSC).

Cyperus lanceolatus

NORTH AMERICA. UNITED STATES GEORGIA. Brantley Co.: 21 Sep 1991, *R. Carter 9229* (GA-2, VSC). **Camden Co.:** 9 Jul 1996, *R. Carter 13180* (VSC); 1 Sep 2006, *R. Carter 17192* (VSC). **Charlton Co.:** 9 Jul 1991, *R. Carter 8855* (GA, VSC); *R. Carter 8859* (GA, VSC); 24 Oct 1997, *R. Carter 14085* (GA, VSC); 1 Oct 2004, *P. Hyatt 11775* (VSC). **Echols Co.:** 9 Jul 1991, *R. Carter 8815* (GA-2, VSC). **Lowndes Co.:** 22 Jul 1994, *C. Wilson 316* (GA). **Telfair Co.:** 20 Jul 2017, *P. Lowe 16* (VSC).

Cyperus lecontei

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 1 Oct 1993, *K. Kirkman 3153* (GA). **Bulloch Co.:** 15 May 1963, *H. J. s.n.* (GAS). **Glynn Co.:** 28 Jul 1994, *B. Sorrie s.n.* (VSC). **McIntosh Co.:** 7 Oct 1959, *W. Harmer 954* (GA-2). **Taylor Co.:** 16 May 1974, *W. Faircloth 7567* (VSC).

Cyperus lupulinus

NORTH AMERICA. UNITED STATES GEORGIA. Cherokee Co.: 1 Aug 1989, *R. Carter 8005* (VSC). **Columbia Co.:** 18 Jul 2006, *M. Morris s.n.* (VSC); 13 Aug 2006, (VSC). **Oglethorpe Co.:** 4 Aug 1950, *W. Duncan 11608* (GA).

Cyperus nashii

NORTH AMERICA. UNITED STATES GEORGIA. Bryan Co.: 1 Aug 2009, *R. Carter 19282* (VSC). **Coffee Co.:** 2 Aug 2013, *R. Carter 21242* (VSC). **Long Co.:** 26 Aug 1988, *R. Carter 7452* (GA, VSC). **McIntosh Co.:** 12 Aug 2009, *R. Carter 19366* (GA, VSC); 11 Sep 2009, *R. Carter 19580* (VSC). **Wheeler Co.:** 9 Jul 2010, *R. Carter 19862* (VSC).

Cyperus ochraceus

NORTH AMERICA. UNITED STATES GEORGIA. Charlton Co.: 11 Jul 1979, *S. Jones 23344* (GA).

Cyperus odoratus

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 9 Sep 1990, *R. Godfrey 83976* (GA). **Brooks Co.:** 6 Oct 2010, *R. Carter 20021* (GA). **Bryan Co.:** 22 Jul 1992, *R. Carter 10216* (GA). **Bulloch Co.:** 7 Oct 1964, *D. Hall 190* (GAS); *D. Hall s.n.* (GAS); *P. Hooper s.n.* (GAS-2); 28 Oct 1964, *J. Spooner 214* (GAS). **Camden Co.:** 18 Oct 1972, *J. Sharpe 47* (GA); 3 Nov 1972, *J. Worthington 87* (GA); 8 Jul 1996, *R. Carter 13104* (GA); 16 Jun 2004, *D. Giannasi 969* (GA). **Chatham Co.:** 26 Sep 1959, *E. Mellinger 1128* (GAS); 17 Oct 1964, *D. Hall 207* (GAS-2); *J. Spooner 102* (GAS); *J. Spooner 223* (GAS); *P. Hooper s.n.* (GAS-2); *R. O'Steen 128* (GAS); 21 Jul 1965, *M. Fordham s.n.* (GAS). **Chatham Co.:** 12 Oct 1978, *T. Tatum s.n.* (GA). **Cherokee Co.:** 4 Oct 1988, *L. Foote s.n.* (GA). **Clinch Co.:** 26 Aug 1988, *R. Carter 7455* (GA). **Cobb Co.:** 26 Aug 2003, *G. Weng 44* (GA). **DeKalb Co.:** 3 Sep 1996, *M. Moore 2557* (GA). **Glynn Co.:** 21 Sep 1991, *R. Carter 9245* (GA); 21 Sep 2003, *T. Thom 224* (GA). **Jenkins Co.:** 8 Aug 1942, *W. Duncan 5617* (GA). **Liberty Co.:** 8 Aug 1988, *R. Carter 7255* (GA). **Lowndes Co.:** 21 Aug 1967, *W. Faircloth 4716* (GA). **McIntosh Co.:** 18 Sep 1956, *W. Duncan 20551* (GA); 24 Jul 1958, *J. Scharnagel 19* (GA); *J. Scharnagel 20* (GA); 31 Jul 1959, *W. Harmer 807* (GA); 22 Sep 1959, *W. Harmer 913* (GA); 6 Oct 1959, *W. Harmer 943* (GA); 18 Jul 1960, *W. Harmer 1129* (GA); 15 Sep 1961, *W. Harmer 1344* (GA); 21 Sep 1991, *R. Carter 9273* (GA). **Twiggs Co.:** 18 Jul 2009, *P. Lynch 406* (GA); 7 Aug 2010, *P. Lynch 1276* (GA).

Cyperus ovatus

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 22 Aug 1962, *J. Blake s.n.* (GA); 2 Jul 1996, *R. Carter 12997* (GA, VSC); 8 Jul 1996, *R. Carter 13114* (VSC); 9 Jul 1996, *R. Carter 13147* (VSC); *R. Carter 13148* (GA, VSC). **Glynn Co.:** 3 Sep 1948, *R. Thorne 8900* (GA); 4 Jul 1988, *R.*

Carter 6953 (VSC); 26 Aug 1988, *R. Carter 7421* (GA, VSC-3). **Lanier Co.:** 21 Aug 1994, *J. Lusk 204* (VSC). **Macon Co.:** 1 Aug 1987, *R. Norris 5411* (GA). **McIntosh Co.:** 20 Jun 1956, *W. Duncan 20176* (VSC); 26 Jun 1959, *W. Harmer 712* (GA).

Cyperus oxylepis

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 8 Jul 1996, *R. Carter 13100* (GA, VSC-3); 9 Jul 1996, *R. Carter 13152* (VSC); 28 Aug 1996, *R. Carter 13599* (VSC).

Cyperus pilosus

NORTH AMERICA. UNITED STATES GEORGIA. Bacon Co.: 10 Aug 2005, *R. Carter 16081* (GAS, VSC).

Cyperus plukenetii

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 28 Sep 1991, *R. Carter 9381* (VSC). **Brooks Co.:** 7 Sep 1985, *R. Carter 4573* (GA, VSC); 24 Jul 2013, *R. Carter 21234* (VSC). **Bryan Co.:** 28 Jul 1992, *Unknown 519* (GAS). **Bryan Co.:** *T. Zebryk 519* (GA, VSC); 10 Jul 2014, *W. Zomlefer 3641* (GA). **Bulloch Co.:** 18 Aug 1961, *G. DeWolf 1653* (GAS-2); 5 Oct 1964, *J. Spooner 41* (GAS); 7 Oct 1964, *P. Hooper 75* (GAS); 29 Jun 1968, *J. Bozeman 11711* (GAS). **Calhoun Co.:** 19 Aug 2009, *R. Carter 19401* (GA, VSC). **Camden Co.:** 13 Sep 2004, *D. Giannasi 1173* (GA); 14 Oct 2006, *R. Carter 17323* (VSC). **Candler Co.:** 2 Aug 1965, *C. Roach s.n.* (GAS); *J. Nutting 313* (GAS); *M. Fordham s.n.* (GAS); *W. Tanner 293* (GAS). **Chatham Co.:** 9 Aug 1958, *W. Duncan 21497* (GA). **Clay Co.:** 28 Aug 1982, *R. Carter 3494* (GA, VSC); 28 Sep 1991, *R. Carter 9384* (VSC). **Colquitt Co.:** 18 Jul 2013, *R. Carter 21195* (VSC). **Columbia Co.:** 6 Sep 1949, *W. Duncan 10269* (GA); 3 Sep 2006, *M. Morris s.n.* (VSC). **Cook Co.:** 26 Aug 1965, *W. Faircloth 2914* (GA, VSC). **Crawford Co.:** 15 Jul 1991, *J. Payne s.n.* (GA). **Decatur Co.:** 8 Jul 1948, *A. Cronquist 5484* (GA). **DeKalb Co.:** 18 Aug 1936, *D. Correll 6577* (GA). **Dougherty Co.:** 14 Aug 1947, *R. Thorne 6088* (GA); 7 Aug 2007, *R. Carter 17924* (VSC). **Early Co.:** 16 Sep 2000, *R. Kral 90340* (VSC-2). **Echols Co.:** 4 Sep 1967, *W. Faircloth 4795* (GA, VSC). **Evans Co.:** 8 Aug 1975, *R. Kral 56220* (VSC); 6 Aug 1992, *R. Carter 10297* (GA, VSC); 20 Aug 1992, *R. Carter 10400* (VSC). **Glascocock Co.:** 22 Jul 2017, *P. Lowe 42* (VSC). **Grady Co.:** 3 Sep 1964, *W. Faircloth 1501* (GA, VSC). **Harris Co.:** 24 Aug 1971, *S. Jones 21233* (GA); 11 Aug 1999, *Sweeney 647* (GA). **Jeff Davis Co.:** 27 Aug 2013, *R. Carter 21302* (VSC). **Laurens Co.:** 22 Sep 1963, *W. Faircloth 599* (VSC). **Liberty Co.:** 17 Sep 1984, *S. Jones 24489* (GA); 21 Jul 1992, *T. Zebryk 501* (GA). **Lincoln Co.:** 16 Oct 1938, *W. Duncan 51* (GA). **Lowndes Co.:** 26 Sep 1963, *W. Faircloth 609* (GA, VSC); 29 Jul 1965, *W. Faircloth 2502* (GA, VSC); 2 Sep 1968, *R. Norris 1077* (VSC); 7 Sep 1985, *R. Carter 4576* (GA, VSC); 28 May 1994, *J. Lusk 46* (VSC); 29 Aug 1994, *J. Lusk 296* (VSC). **McIntosh Co.:** 21 Sep 1991, *R. Carter 9311* (VSC). **Miller Co.:** 10 Sep 2013, *R. Carter 21338* (VSC). **Newton Co.:** 11 Oct 1958, *W. Duncan 21567* (GA). **Oglethorpe Co.:** 5 Aug 1950, *W. Duncan 11641* (GA). **Pierce Co.:** 4 Sep 1985, *R. Carter 4483* (GA, VSC). **Screven Co.:** 1 Aug 1948, *A. Cronquist 5579* (GA). **Seminole Co.:** 4 Sep 2009, *R. Carter 19545* (VSC). **Tattnall Co.:** 10 Mar 1999, *Anonymous s.n.* (GA); 3 Oct 1999, *J. Moore 255* (GA). **Terrell Co.:** 19 Aug 2009, *R. Carter 19410* (GA, VSC). **Thomas Co.:** 2 Sep 2009, *R. Carter 19488* (VSC). **Tift Co.:** 18 Jul 1968, *W. Faircloth 5330* (VSC). **Wayne Co.:** 9 Aug 1975, *R. Kral 56310* (VSC). **Wheeler Co.:** 19 Sep 1987, *R. Carter 6395* (GA, VSC); *R. Carter 6397* (GA, VSC).

Cyperus polystachyos

NORTH AMERICA. UNITED STATES GEORGIA. Atkinson Co.: 20 Jul 2017, *P. Lowe 5* (VSC). **Baker Co.:** 29 Sep 1995, *L. Anderson 15900* (GA); 13 Oct 1995, *L. Anderson 15969* (GA); 26 Aug 2009, *R. Carter 19460* (GA). **Ben Hill Co.:** 14 Aug 1988, *R. Norris 5664* (GA). **Brooks Co.:** 15 Sep 1969, *W. Faircloth 6157* (GA); 5 Aug 1989, *R. Carter 8015* (GA). **Camden Co.:** 3 Nov 1972, *J. Worthington 106* (GA); *J. Worthington 113* (GA); *J. Worthington 92* (GA); 25 Aug 1990, *G. Krakow 946* (GA); *G. Krakow 959* (GA); *G. Krakow 961* (GA); 16 Jun 2004, *D. Giannasi 971* (GA); *D. Giannasi 981* (GA); *D. Giannasi 982* (GA). **Chatham Co.:** 18 Oct 1959, *E. Mellinger 1145* (GAS); 6 Sep 1960, *M. Mellinger 1584* (GAS); 1 Oct 1960, *M. Mellinger 1798* (GAS). **Clarke Co.:** 14 Oct 1929, *J. Reade s.n.* (GA); 8 Nov 1935, *J. Pyron 61* (GA); 12 Sep 1941, *M. Duncan 208* (GA). **Colquitt Co.:** 18 Jul 2013, *R. Carter 21148* (VSC). **Decatur Co.:** 20 Oct 1997, *L. Anderson 18226* (VSC). **Dougherty Co.:** 19 Jun 1931, *P. Shelley s.n.* (GA). **Echols Co.:** 18 Sep 1969, *W. Faircloth 6218* (GA). **Glynn Co.:** 2 Jul 1961, *J. Boole 1114* (GAS). **Glynn Co.:** 28 Nov 1935, *J. Pyron 205* (GA); 13 Sep 1974, *W. Duncan 29130* (GA); 20 Oct 2001, *K. Francl 396* (GA); *K. Francl 409* (GA); *M. Waters 396* (VSC); 20 Sep 2003, *T. Thom 160* (GA). **Houston Co.:** 9 Aug 1987, *R. Carter 6051* (GA). **Irwin Co.:** 5 Jun 2009, *B. Sanderson 302* (VSC). **Lanier Co.:** 14 Jul 1988, *R. Carter 7029* (GA). **Lee Co.:** 26 Aug 1996, *R. Norris 6746* (GA). **Liberty Co.:** 12 Jun 1984, *S. Jones 24132* (GA); 17 Sep 1984, *S. Jones 24530* (GA); 16 Jul 1992, *R. Carter 10175* (GA). **Lowndes Co.:** 23 Aug 1987, *R. Carter 6184* (GA). **Lumpkin Co.:** 2 Oct 1955, *W. Duncan 19779* (GA). **Macon Co.:** 1 Aug 1987, *R. Norris 5407* (GA). **McIntosh Co.:** 20 Jun 1956, *W. Duncan 20168* (GAS); 7 Oct 1962, *J. Bozeman 2312* (GAS). **McIntosh Co.:** 23 Jun 1954, *W. Duncan 17978* (GA); 4 Aug 1955, *W. Duncan 19320* (GA); 20 Jun 1956, *W. Duncan 20168* (GA); 18 Sep 1956, *W. Duncan 20553* (GA); 15 Jul 1959, *W. Harmer 781* (GA); 22 Aug 1959, *W. Harmer 848* (GA); 14 Sep 1961, *W. Harmer 1339* (GA); 14 Jun 1979, *S. Jones 23273* (GA). **Monroe Co.:** 18 Sep 2005, *R. Kral 96866* (VSC). **Morgan Co.:** 12 Aug 1979, *J. Hill 1062* (GA). **Oglethorpe Co.:** 16 Oct 1965, *F. Montgomery 459A* (GA). **Screven Co.:** 25 Oct 1952, *W. Duncan 14680* (GA). **Seminole Co.:** 1 Sep 1955, *R. Thorne 16746* (GA). **Thomas Co.:** 30 Aug 1965, *W. Faircloth 2963* (GA). **Ware Co.:** 18 Aug 1988, *R. Carter 7329* (GA); 7 Jul 2011, *R. Carter 20262* (GA).

Cyperus pseudovegetus

NORTH AMERICA. UNITED STATES GEORGIA. Atkinson Co.: 3 Aug 1969, R. Norris 1287 (VSC). Baker Co.: 21 Aug 1947, R. Thorne 6194 (GA); 3 Aug 2001, R. Kral 91739 (VSC). Bartow Co.: 14 Jul 1951, W. Duncan 12729 (GA, VSC); W. Duncan 12736 (GA); 18 Sep 1951, W. Duncan 13170 (GA); 29 Sep 1963, P. Greear 63406 (GA); 4 Aug 1994, R. Mears s.n. (VSC). Berrien Co.: 29 Jun 1965, W. Faircloth 1944 (GA, VSC); 26 Jun 1988, R. Carter 6841 (VSC). Brooks Co.: 20 Sep 1940, W. Duncan 2982 (GA); 13 Jul 1966, W. Faircloth 3481 (GA, VSC); 5 Aug 1989, R. Carter 8018 (GA, VSC). Bryan Co.: 23 Jun 1992, R. Carter 9884 (GA, VSC). Bulloch Co.: 22 May 1964, D. Varnedoe 201 (GAS-2). Calhoun Co.: 14 Jun 1947, R. Thorne 4710 (GA). Camden Co.: 15 Aug 1971, J. Richardson 15 (GA); 25 Aug 1990, G. Krakow 963 (GA). Candler Co.: 4 Jul 1936, J. Pyron 697 (GA). Charlton Co.: 8 Jun 2006, R. Carter 16756 (VSC). Chatham Co.: 18 Jun 1958, M. Mellinger 894 (GAS); 25 Sep 1960, M. Mellinger 1521 (GAS). Chatham Co.: 12 Jul 1958, W. Duncan 21243 (GA); 6 Aug 1958, W. Duncan 21431 (GA). Clinch Co.: 4 Jul 1988, R. Carter 6975 (VSC); 9 Jul 1991, R. Carter 8844 (VSC). Colquitt Co.: 20 Jul 2009, R. Carter 19074 (GAS). Colquitt Co.: 11 Jul 1966, W. Faircloth 3392 (GA, VSC); 26 Jun 1988, R. Carter 6807 (VSC). Cook Co.: R. Carter 6835 (VSC). Crisp Co.: 23 Jun 1993, R. Kral 82642 (VSC). Decatur Co.: 12 Jun 1947, R. Thorne 4618 (GA); 5 Aug 1989, R. Carter 8020 (GA, VSC). Dougherty Co.: 22 Jun 1901, A. Curtis 6816 (GA). Early Co.: 22 Oct 2003, R. Kral 94608 (VSC). Echols Co.: 10 Jun 1967, R. Norris 876 (VSC); 9 Jul 1991, R. Carter 8806a (VSC); R. Carter 8811 (GA-2, VSC). Elbert Co.: 8 Jul 1980, W. Credle 2959 (GA). Floyd Co.: 16 Jun 1939, H. Jones s.n. (GA). Glascock Co.: 22 Jul 2017, P. Lowe 37 (VSC). Grady Co.: 22 Sep 1992, L. Anderson 13995 (GA). Gwinnett Co.: 23 May 1992, J. Seward 1199 (GA). Jasper Co.: 2 Jun 2012, S. Sewell 415 (GA); 26 May 2013, S. Sewell 1489 (GA); 27 Jun 2013, (VSC). Lanier Co.: 19 Jul 1966, W. Faircloth 3602 (GA, VSC); 23 Jul 1992, R. Carter 10250 (GA, VSC); R. Carter 10251 (GA). Liberty Co.: 15 Jul 1992, R. Carter 10162 (GAS); 26 Aug 1992, Unknown 1692 (GAS). Liberty Co.: 15 Jul 1992, R. Carter 10162 (GA, VSC); 26 Aug 1992, M. Moore 1692 (VSC). Long Co.: 13 Jul 1962, J. Bozeman 1149 (GAS); 9 Apr 1964, N. B. 269 (GAS). Long Co.: 13 Jul 1962, J. Bozeman 1149 (GA). Lowndes Co.: 6 Jun 1985, R. Carter 4140 (GA, VSC); 23 Aug 1987, R. Carter 6152 (VSC); R. Carter 6174 (GA, VSC); 20 Jul 1988, R. Carter 7097 (GA, VSC); 20 Aug 1994, J. Lusk 143 (GA, VSC). McIntosh Co.: 20 Sep 1956, W. Duncan 20578 (VSC); 7 Oct 1962, J. Bozeman 2311 (GA); 8 Aug 1988, R. Carter 7271 (GA, VSC); 28 May 1992, C. Nordman s.n. (GA). Meriwether Co.: 13 Jul 1971, S. Jones 20896 (GA). Miller Co.: 16 Aug 2007, R. Carter 17999 (VSC). Mitchell Co.: 26 May 2005, R. Kral 96438 (VSC). Montgomery Co.: 10 Aug 2017, P. Lowe 66 (VSC). Morgan Co.: 7 Oct 1979, J. Hill 1288 (GA). Murray Co.: 2 Jul 2012, R. Carter 20464 (VSC). Oglethorpe Co.: 30 Jun 1966, D. Blake 615 (GA). Pierce Co.: 19 Jun 1992, R. Carter 9860 (VSC); R. Carter 9864 (GA, VSC). Seminole Co.: 5 Sep 1979, S. Jones 23617 (GA). Spalding Co.: 08/12/1899, M. Riegel 343 (GA). Sumter Co.: 31 May 1990, R. Norris 6054 (GA); 17 Jun 1999, R. Norris 7052 (GA). Tattnell Co.: 9 Jul 1992, R. Carter 10112 (VSC). Thomas Co.: 25 Jul 2007, R. Carter 17824 (VSC). Tift Co.: 2 Aug 2001, C. Bryson 18987 (VSC); 1 Sep 2009, B. Sanderson 478 (VSC). Upson Co.: 10 Jul 1988, R. Carter 6987 (GA, VSC). Walker Co.: 19 Aug 1981, N. Coile 2348 (GA). Walton Co.: 16 May 1992, J. Seward 1183A (GA). Wayne Co.: 18 Jul 2009, R. Carter 19057 (GAS-2). Whitfield Co.: 2 Jul 2012, R. Carter 20456 (VSC). Wilcox Co.: 9 Aug 1987, R. Carter 6059 (GA, VSC); 18 Aug 1991, R. Norris 6352 (GA).

Cyperus pumilus

NORTH AMERICA. UNITED STATES GEORGIA. Clinch Co.: 21 Sep 1982, G. Joye s.n. (VSC). Spalding Co.: 29 Jan 2003, M. Czarnota s.n. (VSC).

Cyperus refractus

NORTH AMERICA. UNITED STATES GEORGIA. Cherokee Co.: 1 Aug 1989, R. Carter 8002 (GA, VSC). Columbia Co.: 16 Jul 2006, M. Morris s.n. (VSC). Hall Co.: 10 Aug 1955, W. Duncan 19372 (GA). Harris Co.: 14 Jul 1971, S. Jones 20984 (GA).

Cyperus retrofractus

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 6 Aug 1992, K. Kirkman 2439 (GA); 8 Sep 1992, K. Kirkman 2550 (GA). Catoosa Co.: 7 Oct 2012, J. Shaw s.n. (GA). Chatham Co.: 9 Aug 1958, W. Duncan 21497 (GAS); 19 Aug 1959, M. Mellinger 1073 (GAS); 1 Oct 1960, E. Mellinger 1810 (GAS). Cherokee Co.: 1 Aug 1989, R. Carter 8001 (GA, VSC). Clarke Co.: 1/0/1900, K. Drury E 6883 (GAS). Clarke Co.: 3 Oct 1928, J. Reade s.n. (GA). Clay Co.: 28 Aug 1982, R. Carter 3493 (VSC). Cobb Co.: 13 Sep 1991, R. Carter 9102 (VSC). DeKalb Co.: 12 Jul 1995, M. Moore 2280 (GA). Elbert Co.: 9 Aug 1950, W. Duncan 11680 (GA). Floyd Co.: 23 Jun 2001, R. Ware 487 (GA). Forsyth Co.: 18 Aug 1955, W. Duncan 19529 (GA). Hall Co.: 22 Jul 1955, W. Duncan 19153 (GA). Houston Co.: 27 Jun 2010, P. Lynch 1173 (GA). Jones Co.: 26 Aug 1996, T. Govus 795 (GA). Lowndes Co.: 23 Jul 2013, R. Carter 21209 (VSC). Morgan Co.: 15 Jul 1979, J. Hill 1018 (GA); 8 Aug 1991, J. Seward 516 (GA). Stephens Co.: 29 Jun 1950, W. Duncan 11192 (GA, VSC); 11 Sep 1995, J. Cruse 180 (GA). Taylor Co.: 18 Sep 1988, R. Norris 5698 (GA). Upson Co.: 9 Sep 2007, R. Carter 18041 (VSC). Walker Co.: 10 Sep 2010, M. Medley s.n. (VSC). Walton Co.: 3 Oct 1936, J. Pyron 983 (GA). Webster Co.: 11 Sep 1987, R. Norris 5449 (GA).

Cyperus retrorsus

NORTH AMERICA. UNITED STATES GEORGIA. Bacon Co.: 19 Nov 2009, M. Czarnota s.n. (VSC); 27 Jun 2011, D. Stanaland s.n. (VSC). Baker Co.: 28 Sep 1991, R. Carter 9378 (VSC); 28 Jul 1992, K. Kirkman 2386 (GA); 28 Jul 1995, L. Anderson 15772 (GA); 7 Aug 2007, R. Carter 17957 (VSC); 26 Aug 2009, R. Carter 19463 (GA, VSC). Ben Hill Co.: 23 Jun 2006, R. Kral 97539 (VSC); R. Kral 97540 (VSC). Bibb Co.: 9 Aug 1987, R. Carter 6042 (GA, VSC); 13 Aug 1997, R. Carter 14065 (GA, VSC); 24 Jul 2002, J. Nelson 22997 (GA); 22 Sep 2002, L. Gaddy s.n. (GA); 25 Jul 2008, W. Zomlefer 2280 (GA). Bleckley Co.: 1 Aug 2009, P. Lynch 576 (GA). Brantley Co.: 4 Sep 1985, R. Carter 4511 (GA, VSC). Brooks Co.: 6 Jul 1937, A. McKellar s.n. (GA); 8 Jul 1966, W. Faircloth 3337 (GA, VSC); 7 Sep 1985, R. Carter 4572 (GA, VSC); 5 Aug 1989, R. Carter 8011 (VSC). Bryan Co.: 22 Jul

1992, *R. Carter 10232* (GA). **Camden Co.:** 8 Sep 1985, *R. Carter 4582* (GA); 24 Aug 1990, *G. Krakow 935* (GA); 25 Aug 1990, *G. Krakow 958* (GA); 15 Sep 1995, *R. Carter 12749* (VSC); 16 Sep 1995, *R. Carter 12827* (GA, VSC); 3 Jul 1996, *R. Carter 13036* (VSC); 8 Jul 1996, *R. Carter 13126* (VSC); 11 Sep 2004, *D. Giannasi 1065* (GA); 12 Sep 2004, *D. Giannasi 1132* (GA); 13 Sep 2004, *D. Giannasi 1175* (GA); 26 Jun 2006, *W. Zomlefer 1027* (GA); 23 Sep 2006, *R. Carter 17277* (VSC). **Chatham Co.:** 10 Oct 1959, *E. Mellinger 2688* (GAS). **Chatham Co.:** 12 Jun 2012, *W. Zomlefer 2740* (GA); 28 Jul 2012, *W. Zomlefer 2813* (GA); *W. Zomlefer 2815* (GA). **Cherokee Co.:** 1 Aug 1989, *R. Carter 8003* (GA, VSC); 2 Aug 2011, *R. Carter 20307* (VSC). **Clay Co.:** 28 Aug 1982, *R. Carter 3495* (GA, VSC). **Colquitt Co.:** 12 Jul 1966, *W. Faircloth 3405* (GA, VSC); 26 Jun 1988, *R. Carter 6801* (VSC). **Columbia Co.:** 24 Jun 1949, *W. Duncan 9760* (VSC); 13 Aug 2006, *M. Morris s.n.* (VSC). **Cook Co.:** 20 Jul 1965, *W. Faircloth 2452* (GA, VSC); 5 Oct 2001, *C. Rausch 74* (VSC). **Dawson Co.:** 2 Aug 2011, *R. Carter 20305* (VSC). **Decatur Co.:** 18 Aug 1999, *R. Kral 88677* (VSC). **DeKalb Co.:** 1 Aug 1989, *R. Carter 8006* (VSC); 07/27/1893, *J. Carter s.n.* (GA); *J. Small s.n.* (GA). **Dooley Co.:** 6 Jun 1937, *A. McKellar s.n.* (GA). **Dougherty Co.:** 28 Jun 1947, *R. Thorne 5004* (GA). **Echols Co.:** 11 Aug 1965, *W. Faircloth 2733* (GA); 31 Aug 1967, *W. Faircloth 4790* (GA, VSC). **Elbert Co.:** 3 Jul 1979, *W. Credle 1011* (GA). **Evans Co.:** 3 Jun 1992, *Unknown 343* (GAS). **Evans Co.:** *T. Zebryk 343* (GA, VSC). **Glascok Co.:** 22 Jul 2017, *P. Lowe 33* (VSC); *P. Lowe 36* (VSC); *P. Lowe 38* (VSC); *P. Lowe 50* (VSC). **Glynn Co.:** 21 Sep 2003, *T. Thom 226* (GA). **Grady Co.:** 26 Sep 2000, *R. Kral 90424* (VSC); 22 Jun 2002, *R. Kral 92793* (VSC); 9 Sep 2005, *R. Kral 96758* (VSC); 5 Jun 2012, *L. Anderson 26402* (GA). **Gwinnett Co.:** 31 Jul 2003, *P. Hyatt 11481* (GAS). **Gwinnett Co.:** 19 Jul 2003, *P. Hyatt 11477* (GA); 31 Jul 2003, *P. Hyatt 11481* (GA). **Harris Co.:** 11 Aug 1999, *Sweeney 652* (GA). **Houston Co.:** 9 Aug 1987, *R. Carter 6053* (GA, VSC). **Irwin Co.:** 19 Jul 1937, *A. McKellar s.n.* (GA); 27 May 2009, *B. Sanderson 250* (VSC). **Jasper Co.:** 5 Sep 1986, *R. Carter 5029* (VSC); *R. Carter 5030* (VSC). **Johnson Co.:** 22 Jun 1994, *J. Harrison 159* (GA). **Lanier Co.:** 4 Oct 1987, *R. Carter 6407* (VSC). **Lee Co.:** 19 Sep 1940, *W. Duncan 3076* (GA). **Liberty Co.:** 11 Jun 1984, *S. Jones 24115* (GA). **Long Co.:** 13 Jul 1962, *J. Bozeman 1129* (GA); 8 Aug 1988, *R. Carter 7251* (GA, VSC). **Lowndes Co.:** 29 Jul 1965, *W. Faircloth 2507* (GA, VSC); 7 Sep 1985, *R. Carter 4575* (GA, VSC); 20 Jul 1988, *R. Carter 7111* (GA, VSC). **Macon Co.:** 1 Aug 1987, *R. Norris 5411* (VSC); 28 Jun 2013, *W. Zomlefer 3096* (GA). **McIntosh Co.:** 4 Jun 1962, *J. Bozeman 701* (GAS). **McIntosh Co.:** 20 Jun 1956, *W. Duncan 20176* (GA); 14 Sep 1961, *W. Harmer 1337* (GA); 8 Aug 1988, *R. Carter 7269* (VSC); 23 Aug 1992, *T. Zebryk s.n.* (GA); 11 Sep 2009, *R. Carter 19580* (GA). **Mitchell Co.:** 28 Sep 1991, *R. Carter 9363* (VSC). **Montgomery Co.:** 10 Aug 2017, *P. Lowe 71* (VSC); *P. Lowe 77* (VSC); *P. Lowe 78* (VSC). **Morgan Co.:** 30 Aug 1979, *J. Hill 1132* (GA); 28 Jun 1992, *J. Seward 1333* (GA). **Oglethorpe Co.:** 30 Jun 1966, *F. Montgomery 614A* (GA). **Paulding Co.:** 13 Sep 1991, *R. Carter 9120* (VSC). **Pierce Co.:** 4 Sep 1985, *R. Carter 4482* (GA); *R. Carter 4484* (GA). **Quitman Co.:** 6 Aug 1988, *W. Faircloth 8876* (VSC). **Rabun Co.:** 29 Aug 2002, *W. Malot 1414* (GA). **Seminole Co.:** 1 Sep 1955, *R. Thorne 16744* (GA). **Tattall Co.:** 9 Jul 1992, *R. Carter 10111* (GA). **Taylor Co.:** 18 Sep 2009, *R. Carter 19613* (VSC); 1 Aug 2011, *R. Carter 20302* (VSC). **Thomas Co.:** 28 Sep 1991, *R. Carter 9332* (VSC); 25 Jul 2007, *R. Carter 17825* (VSC). **Tift Co.:** 2 Aug 2001, *C. Bryson 19000* (VSC). **Treutlen Co.:** 28 Jul 1937, *A. McKellar s.n.* (GA). **Twiggs Co.:** 7 Aug 2010, *P. Lynch 1277* (GA). **Walton Co.:** 3 Oct 1936, *J. Pyron 977* (GA). **Ware Co.:** 4 Aug 2004, *M. Czarnota s.n.* (VSC). **Wheeler Co.:** 19 Sep 1987, *R. Carter 6396* (GA); *R. Carter 6399* (GA, VSC-2); 20 Jul 2017, *P. Lowe 20* (VSC). **Worth Co.:** 17 Aug 1966, *W. Faircloth 3832* (GA, VSC).

Cyperus rotundus

NORTH AMERICA. UNITED STATES GEORGIA. **Baker Co.:** 15 Aug 1920, *King s.n.* (GA). **Bulloch Co.:** 15 May 1963, *H. J. s.n.* (GAS); 9 Oct 1964, *R. O'Steen 141* (GAS). **Camden Co.:** 25 Aug 1990, *G. Krakow 942* (GA); *G. Krakow 957* (GA). **Chatham Co.:** 27 Apr 1959, *M. Mellinger 329* (GAS). **Chatham Co.:** 2 Aug 1926, *J. Crawford s.n.* (GA); 9 Jun 1958, *W. Duncan 20873* (GA). **Clarke Co.:** 24 Jul 1967, *E. Meyer 126* (GA); 22 Jun 1980, *J. Stutts 460* (GA); //, *B. Palevitz s.n.* (GA). **Cobb Co.:** 20 May 1929, *J. Dunnaway s.n.* (GA); 5 Jul 1959, *S. Jones s.n.* (GA). **Coffee Co.:** 6 Aug 1998, *R. Carter 14130* (GA, VSC). **Columbia Co.:** 24 Jun 1949, *W. Duncan 9760* (GA). **DeKalb Co.:** 18 Oct 1995, *M. Moore 2463* (GA). **Dougherty Co.:** 18 Jun 1931, *P. Shelley 8b* (GA); 4 Jul 1947, *R. Thorne 5115* (GA). **Early Co.:** 22 Oct 2003, *R. Kral 94616* (VSC). **Glynn Co.:** 21 Aug 1950, *W. Duncan 11857* (GA); 21 Sep 1991, *R. Carter 9254* (GA, VSC); 21 Oct 2001, *J. Cruse-Sanders 436* (GA); *K. Francl 436* (GA); 21 Sep 2003, *T. Thom 225* (GA). **Gordon Co.:** 22 Sep 2000, *C. Gomez 2369* (GA). **Grady Co.:** 31 Jul 1962, *W. Faircloth 239* (VSC); *W. Faircloth s.n.* (GA). **Gwinnett Co.:** 17 Jun 2004, *P. Hyatt 11726* (VSC). **Harris Co.:** 8 Aug 1972, *S. Jones 22196* (GA). **Long Co.:** 13 Jul 1962, *J. Bozeman 1125* (GAS). **Long Co.:** 6 Oct 1962, *J. Bozeman 2016* (GA). **Lowndes Co.:** 26 May 1942, *B. Nevins 141-C* (VSC); 8 Jul 1965, *W. Faircloth 2059* (GA, VSC). **McIntosh Co.:** 16 Jul 1956, *W. Duncan 20300* (GAS). **McIntosh Co.:** (GA, VSC); 24 Apr 1959, *W. Harmer 547* (GA); 18 Jun 1959, *W. Harmer 669* (GA); 3 Jul 1959, *W. Harmer 724* (GA); 6 Oct 1959, *W. Harmer 942* (GA). **Miller Co.:** 3 Jun 1947, *R. Thorne 4397* (GA). **Montgomery Co.:** 10 Aug 2017, *P. Lowe 81* (VSC). **Morgan Co.:** 27 Sep 1979, *J. Hill 1226* (GA); 20 Sep 1992, *J. Seward 1606* (GA). **Sumter Co.:** 7 Sep 1997, *R. Norris 6902* (GA). **Tift Co.:** 1 Jul 1926, *F. Van Haltern s.n.* (GA); 29 Jun 2009, *B. Sanderson 364* (VSC). **Unknown Co.:** 5 Nov 1960, *E. Mellinger 2076* (GAS).

Cyperus sanguinolentus

NORTH AMERICA. UNITED STATES GEORGIA. **Camden Co.:** 11 Oct 1996, *R. Carter 13873* (GA, VSC); 25 Oct 1996, *R. Carter 13939* (GA, VSC); *R. Carter 13940* (GA, VSC); *R. Carter 13941* (GA, VSC); *R. Carter 13943* (GA, VSC); *R. Carter 13954* (GA, VSC); 4 Dec 1996, *R. Carter 13962* (GA, VSC); 23 Oct 2010, *R. Carter 20067* (GA, VSC).

Cyperus squarrosus

NORTH AMERICA. UNITED STATES GEORGIA. **Barrow Co.:** 12 Oct 1983, *J. Allison 1883* (GA). **Butts Co.:** 23 Oct 1986, *J. Allison 2803* (GA). **Carroll Co.:** 13 Aug 1987, *J. Allison 2932* (GA). **Clarke Co.:** 7 Sep 1978, *J. Allison 587* (GA). **Cobb Co.:** 31 Aug 1980, *J. Allison 1529* (GA). **Columbia Co.:** 11 Oct 1936, *J. Pyron 1038* (GA). **Coweta Co.:** 14 Nov 1979, *J. Allison 1118* (GA). **DeKalb Co.:** 07/20/1893, *J. Small s.n.* (GA). **Douglas Co.:** 13 Aug

1987, *J. Allison 2930* (GA). **Elbert Co.:** 26 Jul 1950, *W. Duncan 11518* (GA); 17 Apr 1986, *J. Allison 2634* (GA). **Fayette Co.:** 16 Oct 1983, *J. Allison 1905* (GA). **Fulton Co.:** *J. Allison 1891* (GA). **Hancock Co.:** 14 Sep 1986, *J. Allison 2751* (GA). **Hart Co.:** 12 Oct 1986, *J. Allison 2797* (GA). **Jeff Davis Co.:** 15 Jul 2000, *H. Holland 605* (GA); 6 Oct 2001, *H. Holland 702* (GA). **Johnson Co.:** 10 Jun 1938, *J. Pyron 3072* (GA). **Lamar Co.:** 10 Nov 1979, *J. Allison 1097* (GA). **McDuffie Co.:** 20 Sep 1986, *J. Allison 2763* (GA). **Meriwether Co.:** 6 Nov 1983, *J. Allison 1947* (GA). **Newton Co.:** 15 Oct 1987, *J. Allison 3001* (GA). **Oconee Co.:** 26 Oct 1986, *J. Allison 2805* (GA); 1 Jul 1991, *J. Seward 428* (GA). **Oglethorpe Co.:** 25 Sep 1937, *J. Pyron 1857* (GA); 4 Aug 1941, *W. Duncan 3824* (GA). **Pike Co.:** 29 Aug 1937, *J. Pyron 1830* (GA). **Rockdale Co.:** 18 Oct 1936, *J. Pyron 1132* (GA); 30 Nov 1983, *J. Allison 1961* (GA). **Tift Co.:** 1 Aug 2001, *C. Bryson 18978* (VSC). **Unknown Co.:** 1 Oct 1960, *E. Mellinger 1782* (GAS). **Walton Co.:** 30 Aug 1940, *W. Duncan 2868a* (GA). **Ware Co.:** 18 Aug 1988, *R. Carter 7328* (VSC). **Washington Co.:** 10 Jun 1938, *J. Pyron 3096* (GA).

Cyperus strigosus

NORTH AMERICA. UNITED STATES GEORGIA. **Baker Co.:** 9 Sep 1990, *R. Godfrey 83976* (VSC); 2 Sep 1993, *K. Kirkman 3121* (GA). **Bartow Co.:** 17 Sep 1948, *W. Duncan 8835* (GA); 13 Sep 1991, *R. Carter 9123* (GA, VSC). **Ben Hill Co.:** 19 Aug 1967, *W. Faircloth 4610* (VSC). **Berrien Co.:** 9 Aug 1987, *R. Carter 6066* (VSC). **Bibb Co.:** 18 Sep 1951, *B. Flanders 78* (GA); 9 Aug 1987, *R. Carter 6040* (GA); 24 Jul 2002, *J. Nelson 23009* (GA); 22 Sep 2002, *L. Gaddy s.n.* (GA). **Brantley Co.:** 21 Sep 1991, *R. Carter 9231* (VSC). **Bulloch Co.:** 7 Jul 1999, *C. Dulock 69* (GAS); *T. Yearwood 72* (GAS). **Butts Co.:** 9 Aug 1987, *R. Carter 6040* (VSC); 24 Sep 1988, *C. Howel 1712* (GA). **Calhoun Co.:** 18 Jul 1947, *R. Thorne 5479* (GA). **Camden Co.:** 6 Oct 1995, *R. Carter 12870* (VSC); 11 Oct 1996, *R. Carter 13874* (VSC). **Catoosa Co.:** 19 Aug 1951, *W. Duncan 13107* (GA). **Chatham Co.:** 10 Oct 1959, *E. Mellinger s.n.* (GAS); 14 Jul 1960, *M. Mellinger s.n.* (GAS). **Cherokee Co.:** 25 Sep 1948, *W. Duncan 8996* (GA). **Clarke Co.:** 21 Aug 1930, *Anonymous s.n.* (GA); 29 Jul 1941, *M. Duncan 82* (GA); 6 Aug 1941, *M. Duncan 169* (GA); 3 Sep 1980, *J. Stutts 710* (GA); 21 Aug 2001, *K. Francl 26* (GA). **Clay Co.:** 24 Jun 1947, *R. Thorne 4915* (GA); 28 Sep 1991, *R. Carter 9385* (VSC). **Clinch Co.:** 9 Jul 1991, *R. Carter 8842* (VSC). **Cobb Co.:** 13 Jun 2006, *W. Zomlefer 981* (GA); 11 Jul 2006, *W. Zomlefer 1086* (GA); 17 Aug 2006, *W. Zomlefer 1196* (GA); *W. Zomlefer 1199* (GA); 21 Aug 2007, *W. Zomlefer 1899* (GA). **Coffee Co.:** 20 Jul 2017, *P. Lowe 10* (VSC). **Colquitt Co.:** 26 Sep 2007, *R. Carter 18117* (VSC). **Columbia Co.:** 6 Sep 1949, *W. Duncan 10249* (GA); 13 Aug 2006, *M. Morris s.n.* (VSC). **Cook Co.:** 9 Oct 1999, *T. Howard 23* (VSC). **Coweta Co.:** 23 Jul 1967, *J. Griffin s.n.* (VSC). **Dawson Co.:** 24 Jul 2001, *L. Kruse 01-500* (GA); 17 Aug 2002, *L. Kruse 02-297* (GA). **DeKalb Co.:** 5 Sep 1995, *M. Moore 2363* (GA). **Dougherty Co.:** 23 Jul 1947, *R. Thorne 5580* (GA). **Elbert Co.:** 1 Oct 1949, *W. Duncan 10550* (GA). **Floyd Co.:** 1 Aug 1999, *R. Ware 439* (GA). **Gilmer Co.:** 14 Sep 1991, *R. Carter 9146* (GA, VSC). **Glynn Co.:** 26 Aug 1988, *R. Carter 7424* (VSC); *R. Carter 7436* (VSC-2); 6 Oct 2003, *J. Schmidt s.n.* (GA). **Gordon Co.:** 13 Sep 1991, *R. Carter 9126* (GA, VSC); 25 Aug 1997, *C. Howel 1945* (GA). **Grady Co.:** 8 Aug 2001, *R. Kral 91779* (VSC); 10 Oct 2002, *R. Kral 93377* (VSC). **Gwinnett Co.:** 14 Aug 2004, *P. Hyatt 11764* (VSC); 3 Sep 2006, *P. Hyatt 12070* (GA, VSC); *P. Hyatt 12078* (GA, VSC); 24 Jul 2007, *W. Zomlefer 1849* (GA); 7 Sep 2011, *D. Floyd 288* (GA). **Habersham Co.:** 31 Jul 2004, *P. Hyatt 11744* (VSC). **Hall Co.:** 22 Jul 1955, *W. Duncan 19155* (GA); 25 Sep 1955, *W. Duncan 19499* (GA); 14 Aug 2004, *P. Hyatt 11760* (VSC); *P. Hyatt 11766* (VSC). **Harris Co.:** 18 Aug 1998, *Crook 596* (GA). **Heard Co.:** 22 Sep 2011, *D. Floyd 313* (GA). **Jasper Co.:** 28 Jul 2012, *S. Sewell 594* (GA-2, VSC). **Lanier Co.:** 30 Jul 1965, *W. Faircloth 2550* (GA, VSC); 18 Sep 1991, *R. Carter 9161* (GA, VSC); 18 Jun 2011, *B. Sanderson 737* (VSC). **Liberty Co.:** 22 Jul 1992, *Unknown 505* (GAS). **Liberty Co.:** 26 Aug 1988, *R. Carter 7446* (GA, VSC); 22 Jul 1992, *T. Zebryk 505* (GA). **Lincoln Co.:** 1 Sep 1949, *W. Duncan 10164* (GA, VSC). **Lowndes Co.:** 23 Aug 1987, *R. Carter 6183* (GA, VSC); 22 Jul 1994, *C. Wilson 321* (VSC). **Lumpkin Co.:** 2 Oct 1955, *W. Duncan 19772* (GA); 30 Aug 2002, *L. Kruse 02-300* (GA). **McDuffie Co.:** //, *H. Bartlett 2432* (GA). **McIntosh Co.:** 7 Oct 1959, *W. Harmer 953* (GA); 21 Sep 1991, *R. Carter 9274* (GA, VSC); 8 Jun 1992, *C. Nordman s.n.* (GA); 23 Aug 1992, *T. Zebryk s.n.* (GA). **Meriwether Co.:** 23 Aug 1971, *S. Jones 21160A* (GA). **Monroe Co.:** 19 Jul 1987, *C. Howel 492* (GA). **Montgomery Co.:** 10 Aug 2017, *P. Lowe 74* (VSC). **Morgan Co.:** 30 Aug 1970, *S. Jones 20033* (GA); 6 Aug 1978, *J. Hill 561* (GA); 6 Oct 1979, *J. Hill 1285* (GA). **Murray Co.:** 19 Sep 1946, *W. Duncan 7252* (GA); 29 Aug 1979, *S. Jones 23523* (GA); 21 Jul 2001, *J. Moore 837* (GA); 9 Sep 2001, *J. Moore 1137* (GA); 23 Sep 2001, *J. Moore 1160* (GA). **Muscogee Co.:** 30 Aug 1980, *J. Stutts 641* (GA). **Oconee Co.:** 10 Sep 1991, *J. Seward 646* (GA); 24 Aug 1999, *Anonymous s.n.* (GA); *R. Liebermann 99-8600-004* (GA). **Oglethorpe Co.:** 25 Sep 1965, *D. Demaree 53003* (GA); 27 Jul 1966, *F. Montgomery 655* (GA). **Paulding Co.:** 13 Sep 1991, *R. Carter 9112* (GA-2, VSC); *R. Carter 9115* (VSC). **Pickens Co.:** *R. Carter 9133* (GA-2, VSC); 14 Sep 1991, *R. Carter 9139* (GA, VSC). **Rabun Co.:** 13 Aug 1936, *J. Whitney s.n.* (GA); 4 Sep 1946, *W. Duncan 7080* (GA); 14 Aug 1949, *W. Duncan 10108* (GA, VSC); 24 Jul 1996, *Milsted 1098* (GA). **Richmond Co.:** 5 Sep 1938, *A. Radford 45* (GA); 28 Aug 1991, *M. Moore 1327* (GA, VSC). **Spalding Co.:** 28 Aug 1949, *R. Cummings s.n.* (GA-2); 3 Sep 2013, *P. McCullough s.n.* (VSC); 8/22/1899, *M. Riegel 333* (GA). **Stephens Co.:** 11 Sep 1995, *J. Cruse 192* (GA). **Sumter Co.:** 23 Sep 1990, *R. Norris 6202* (GA). **Talbot Co.:** 30 Aug 1980, *J. Manhart 107* (VSC); *J. Stutts 609* (GA, VSC). **Thomas Co.:** 6 Oct 1945, *M. Fosberg 185* (VSC); 28 Sep 1991, *R. Carter 9314* (VSC). **Tift Co.:** 2 Aug 2001, *C. Bryson 18999* (VSC). **Towns Co.:** 14 Sep 1991, *R. Carter 9152* (GA, VSC). **Union Co.:** 2 Aug 1930, *I. Stuckey s.n.* (GA); 14 Sep 1991, *R. Carter 9149* (VSC); 21 Aug 2004, *P. Hyatt 11752* (VSC); 10 Sep 2004, *P. Hyatt 11770* (VSC). **Upson Co.:** 9 Sep 2007, *R. Carter 18048* (VSC). **Walker Co.:** 27 Sep 1980, *J. Kessler 3778* (GA); 19 Aug 1981, *N. Coile 2360* (GA); 25 Aug 2012, *A. Prater s.n.* (GA). **Walton Co.:** 3 Oct 1936, *J. Pyron 986* (GA). **Ware Co.:** 8 Aug 1988, *R. Carter 7308* (GA, VSC). **Wheeler Co.:** 1 Oct 2004, *P. Hyatt 11794* (VSC). **White Co.:** 14 Sep 1991, *R. Carter 9153* (GA, VSC).

Cyperus surinamensis

NORTH AMERICA. UNITED STATES GEORGIA. **Appling Co.:** 23 Jun 2006, *R. Carter 16849* (VSC-2). **Atkinson Co.:** 20 Jul 2017, *P. Lowe 7* (VSC). **Berrien Co.:** 8 May 2002, *C. Rausch 154* (VSC). **Brantley Co.:** 21 Sep 1991, *R. Carter 9234* (GA, VSC). **Camden Co.:** 4 Jul 1988, *R. Carter 6936* (VSC); *R. Carter 6947* (VSC); 8 Jul 1996, *R. Carter 13113* (VSC). **Charlton Co.:** 11 Jul 1979, *S. Jones 23344* (GA); 17 Oct 1979, *J. Loew 1326* (GA-2). **Chatham Co.:** 13 Jul 2006, *R. Carter 16938* (VSC). **Clarke Co.:** 24 Aug 1999, *R. Liebermann 99-8600-028* (GA). **Clinch Co.:** 4 Sep 1969, *R. Norris*

1396 (VSC); 28 Jul 1980, *M. Norsworthy 571* (VSC); 26 Aug 1988, *R. Carter 7456* (GA, VSC); 9 Jul 1991, *R. Carter 8840* (VSC). **Decatur Co.:** 7 Sep 1955, *R. Thorne 17261* (GA); 25 Oct 1997, *L. Anderson 18231* (GA); *L. Anderson 18238* (VSC). **Echols Co.:** 9 Jul 1965, *W. Faircloth 2099* (GA, VSC); 9 Jul 1991, *R. Carter 8816* (GA-2, VSC); 24 May 1992, *V. McNeilus 92-240* (GA). **Gilmer Co.:** 1 Oct 1999, *G. Bennett 33* (VSC). **Glynn Co.:** 4 Jul 1988, *R. Carter 6956* (VSC); 26 Aug 1988, *R. Carter 7433* (GA, VSC); 21 Sep 1991, *R. Carter 9238* (GA, VSC). **Grady Co.:** 25 Jul 2005, *R. Kral 96683* (VSC). **Jeff Davis Co.:** 15 Jul 2000, *H. Holland 606* (GA). **Lanier Co.:** 28 Aug 1994, *J. Lusk 254* (GA, VSC). **Liberty Co.:** 16 Jul 1992, *R. Carter 10174* (GAS). **Liberty Co.:** 8 Aug 1988, *R. Carter 7256* (GA, VSC); 16 Jul 1992, *R. Carter 10174* (GA, VSC); 26 Aug 1992, *M. Moore 1692* (GA). **Long Co.:** 25 Jul 1999, *H. Holland 145* (GA). **Lowndes Co.:** 23 Aug 1987, *R. Carter 6173* (VSC). **McIntosh Co.:** 21 Sep 1991, *R. Carter 9269* (GA, VSC); 24 Jul 2000, *A. Beckman 204* (GA). **Oglethorpe Co.:** 10 May 1965, *F. Montgomery 709* (GA). **Thomas Co.:** 28 Sep 1991, *R. Carter 9327* (VSC). **Tift Co.:** 1 Aug 2001, *C. Bryson 18970* (VSC). **Ware Co.:** 18 Aug 1988, *R. Carter 7325* (GA, VSC-2); 7 Jul 2011, *R. Carter 20263* (VSC).

Cyperus tetragonus

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 5 Dec 1987, *R. Carter 6417* (VSC); 15 Sep 1995, *R. Carter 12727* (GA, VSC-2); *R. Carter 12757* (GA, VSC-2); 27 Sep 2006, *W. Zomlefer 1268* (GA). **Chatham Co.:** 5 Nov 1960, *M. Mellinger 2166* (GAS); 19 Nov 1960, *M. Mellinger 2163* (GAS). **Glynn Co.:** 3 Sep 1948, *R. Thorne 8876* (GA); 9 Sep 1971, *W. Faircloth 7000* (VSC); 21 Sep 2003, *T. Thom 227* (GA). **Liberty Co.:** 23 Aug 1983, *S. Jones 23854* (GA). **Unknown Co.:** 5 Nov 1960, *M. Mellinger 2075* (GAS).

Cyperus thysiflorus

NORTH AMERICA. UNITED STATES GEORGIA. Liberty Co.: 18 Sep 1984, *S. Jones 24554* (GA).

Cyperus virens

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 28 Sep 1991, *R. Carter 9379* (GA, VSC); 23 Jul 1992, *K. Kirkman 2356* (GA). **Ben Hill Co.:** 19 Aug 1967, *W. Faircloth 4640* (GA, VSC). **Bibb Co.:** 4 Oct 1994, *J. Payne s.n.* (GA); 23 Jul 2002, *J. Nelson 22943* (GA); 22 Sep 2002, *L. Gaddy s.n.* (GA). **Brantley Co.:** 4 Jul 1988, *R. Carter 6961* (GA, VSC). **Bryan Co.:** 24 Jun 1992, *R. Carter 9930* (VSC); 10 Jul 2014, *W. Zomlefer 3684* (GA). **Bulloch Co.:** 2 Nov 1964, *J. Spooner 280* (GAS); 12 Jul 1965, *Fordham s.n.* (GAS). **Camden Co.:** 7 Jul 1995, *R. Carter 12523* (GA-2, VSC); 16 Jun 2004, *D. Giannasi 986* (GA). **Chatham Co.:** 8 Dec 1960, *M. Mellinger 2685* (GAS). **Chatham Co.:** 27 Oct 1972, *W. Duncan 23837* (GA-2). **Clinch Co.:** 26 Aug 1988, *R. Carter 7454* (GA, VSC); 9 Jul 1991, *R. Carter 8843* (VSC). **Coffee Co.:** 12 Jul 2006, *R. Carter 16923* (VSC). **Colquitt Co.:** 13 May 2006, *R. Kral 97350* (VSC). **Cook Co.:** 19 Jul 1965, *W. Faircloth 2406* (GA, VSC). **Decatur Co.:** 6 Sep 1955, *R. Thorne 17157* (GA); 20 May 1967, *W. Faircloth 4466* (VSC); 23 Oct 2005, *R. Kral 96942* (VSC). **Dougherty Co.:** 28 Jun 1947, *R. Thorne 5002* (GA). **Early Co.:** 16 Sep 1947, *R. Thorne 6684* (GA). **Grady Co.:** 7 Aug 1987, *R. Carter 6010* (GA, VSC); 18 Jun 2001, *R. Kral 91416* (VSC). **Henry Co.:** 28 May 2005, *R. Kral 96520* (VSC). **Jeff Davis Co.:** 25 Jun 2000, *H. Holland 583* (GA-2). **Jenkins Co.:** 8 Aug 1942, *W. Duncan 5621* (GA). **Liberty Co.:** 16 Jul 1992, *R. Carter 10177* (GA, VSC). **Lowndes Co.:** 23 Aug 1987, *R. Carter 6172* (GA, VSC); 20 Jul 1988, *R. Carter 7092* (GA, VSC); 11 Jun 1989, *R. Carter 7892* (GA, VSC); 25 May 1993, *J. Lusk 13* (VSC). **McIntosh Co.:** 7 Oct 1962, *J. Bozeman 2287* (GAS). **McIntosh Co.:** 24 Jul 1958, *J. Scharnagel 21* (GA); 12 May 1959, *W. Harmer 601* (GA); 6 Jul 1959, *W. Harmer 740* (GA); 12 Jul 1959, *W. Harmer 759* (GA); 29 Apr 1960, *W. Harmer 1034* (GA); 2 Jun 1960, *W. Harmer 1077* (GA); 13 Sep 1961, *W. Harmer 1333* (GA). **Miller Co.:** 16 Aug 2007, *R. Carter 18000* (VSC). **Montgomery Co.:** 10 Aug 2017, *P. Lowe 85* (VSC). **Morgan Co.:** 25 Jul 1992, *J. Seward 1453* (GA). **Oconee Co.:** 5 Jul 1992, *J. Seward 1373* (GA). **Screven Co.:** 13 Nov 1964, *D. Hall s.n.* (GAS); *P. Hooper s.n.* (GAS-2). **Seminole Co.:** 5 Aug 1989, *R. Carter 8023* (VSC); 2 May 2012, *R. Carter 20379* (VSC). **Thomas Co.:** 2 Aug 1965, *W. Faircloth 2628* (GA, VSC); 31 May 2005, *R. Kral 96534* (VSC). **Tift Co.:** 2 Aug 2001, *C. Bryson 18986* (VSC); 22 Jun 2009, *B. Sanderson 346* (VSC). **Twiggs Co.:** 18 Jul 2009, *P. Lynch 407* (GA); 28 Jun 2010, *P. Lynch 1196* (GA). **Wilcox Co.:** 9 Aug 1987, *R. Carter 6060* (VSC); 30 May 1998, *D. Alexander s.n.* (VSC). **Wilkes Co.:** 18 Jul 1950, *W. Duncan 11412* (GA).

Dulichium arundinaceum

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 18 May 1951, *W. Duncan 12391* (GA); 14 Jul 1951, *W. Duncan 12731* (GA); 11 Aug 1951, *W. Duncan 12916* (GA); 30 Jul 1964, *P. Greear 44335* (GA). **Berrien Co.:** 12 Jul 1965, *W. Faircloth 2113* (GA, VSC). **Brantley Co.:** 8 Aug 1988, *R. Carter 7300* (GA, VSC). **Brooks Co.:** 21 Apr 1967, *W. Faircloth 4263* (VSC); 6 Sep 1967, *W. Faircloth 4813* (GA, VSC). **Bryan Co.:** 15 Jul 1992, *R. Carter 10147* (GAS). **Bryan Co.:** (GA, VSC). **Camden Co.:** 26 Aug 1990, *G. Krakow 967* (GA); 20 May 2006, *R. Carter 16708* (VSC). **Carroll Co.:** 19 Jul 1967, *R. Lampton s.n.* (VSC). **Charlton Co.:** 10 Jul 1979, *J. Loew 995* (GA); *S. Jones 23312* (GA); 20 Jul 2006, *R. Carter 17039* (VSC). **Chatham Co.:** 29 Jun 1959, *M. Mellinger 1214* (GAS). **Clarke Co.:** 27 Jul 1966, *F. Montgomery s.n.* (GAS). **Cook Co.:** 19 Jul 1965, *W. Faircloth 2382* (GA, VSC); 23 Sep 1967, *W. Faircloth 4868* (VSC). **DeKalb Co.:** 29 Oct 1979, *J. Allison 1007* (GA); 11 Jul 1995, *M. Moore 2264* (GA). **Echols Co.:** 30 Jun 1953, *W. Duncan 16726* (GA); 10 Jun 1967, *R. Norris 870* (VSC); 29 Aug 1967, *W. Faircloth 4741* (VSC). **Glynn Co.:** 11 Aug 1980, *K. Kirkman 1344* (GA). **Grady Co.:** 7 Oct 1992, *L. Anderson 14006* (GA). **Gwinnett Co.:** 24 Jun 2006, *P. Hyatt 12050* (GA); 8 Jul 2006, *P. Hyatt 12054* (GA). **Habersham Co.:** 23 Jul 1966, *W. Duncan 22803* (GA-2). **Jackson Co.:** 24 Jun 1989, *C. Howel 1746* (GA). **Jenkins Co.:** 8 Aug 1942, *W. Duncan 5634* (GA); *W. Duncan 5637* (GA). **Lanier Co.:** 14 Jul 1988, *R. Carter 7020* (VSC); 28 May 2011, *B. Sanderson 644* (VSC). **Lee Co.:** 21 Aug 1948, *R. Thorne 8301* (GA). **Liberty Co.:** 15 Jul 1992, *Unknown 473* (GAS). **Liberty Co.:** *T. Zebryk 473* (GA, VSC). **Long Co.:** 6 Oct 1962, *J. Bozeman 1864* (GAS). **Long Co.:** (GA). **Lowndes Co.:** 19 May 1966, *W. Faircloth 3216* (GA, VSC); 6 Jul 1985, *R. Carter 4259* (GA, VSC); 10 Jun 1988, *R. Carter 6639a*

(VSC); 29 Jun 1988, *R. Carter 6848* (VSC); 10 Aug 1996, *S. Jones 12826* (GA-2). **Lumpkin Co.:** 15 Jun 1968, *B. Williams s.n.* (GA). **Macon Co.:** 11 Oct 1936, *J. Pyron 1067* (GA). **McIntosh Co.:** 10 Apr 1963, *J. Bozeman 2606* (GA); 5 Oct 1992, *C. Nordman s.n.* (GA); 18 Jun 2000, *A. Beckman 67* (GA); 30 Jun 2011, *D. Floyd 188* (GA). **Muscogee Co.:** 31 Aug 1980, *J. Manhart 116* (GA); *J. Manhart 138* (GA, VSC). **Richmond Co.:** 23 Jul 1991, *M. Moore 1246* (GA). **Rockdale Co.:** 8 Oct 1987, *J. Allison 2986* (GA). **Seminole Co.:** 5 Sep 1979, *S. Jones 23643* (GA). **Taylor Co.:** 9 Sep 1990, *S. Orzell 15052* (GA). **Telfair Co.:** 1 Aug 1953, *W. Duncan 16917* (GA). **Turner Co.:** 6 May 1967, *W. Faircloth 4334* (GA, VSC). **Ware Co.:** 3 Sep 1958, *E. Cypert 154* (GA); 28 Jun 1963, *W. Duncan 22076* (GA); 8 Aug 1988, *R. Carter 7309* (GA, VSC). **Wheeler Co.:** 9 Aug 1995, *R. Kral 85415* (VSC).

Eleocharis acicularis

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 14 Aug 1986, *A. Gholson 11718* (GA). **Chatham Co.:** 12 Apr 1979, *T. Tatum s.n.* (GA). **Clarke Co.:** 16 Jun 2012, *S. Sewell 467* (GA). **Decatur Co.:** 17 Jun 1947, *R. Thorne 4732* (GA). **Dougherty Co.:** 28 Jun 1947, *R. Thorne 4990* (GA). **Early Co.:** 16 Sep 1947, *R. Thorne 6682* (GA). **Hancock Co.:** 8 Jul 1978, *J. Allison 94B* (GA). **Jefferson Co.:** 13 Jul 1965, *W. Duncan 22508* (GA). **Lee Co.:** 21 Aug 1948, *R. Thorne 8318a* (GA). **Macon Co.:** 4 Apr 1936, *J. Pyron 483* (GA). **Meriwether Co.:** 23 Aug 1971, *S. Jones 21194* (GA). **Morgan Co.:** 10 Jun 1979, *J. Hill 958* (GA). **Oglethorpe Co.:** 8 May 1966, *F. Montgomery 468* (GA). **Seminole Co.:** 1 Sep 1955, *R. Thorne 16747* (GA). **Tattnall Co.:** 9 May 1976, *N. Coile 266* (GA).

Eleocharis albida

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 23 Jul 1996, *R. Carter 13346* (GAS). **Camden Co.:** 25 Aug 1990, *G. Krakow 952* (GA). **Glynn Co.:** 28 Nov 1935, *J. Pyron 239* (GA); 4 Sep 1946, *R. Thorne 2144* (GA); 7 Sep 1946, *R. Thorne 2236* (GA); 20 Oct 2001, *K. Francl 405* (GA). **McIntosh Co.:** 16 Jul 1956, *W. Duncan 20294* (GAS). **McIntosh Co.:** 26 Jun 1956, *W. Duncan 20206* (GA); 16 Jul 1956, *W. Duncan 20294* (GA).

Eleocharis ambigens

NORTH AMERICA. UNITED STATES GEORGIA. Chatham Co.: 3 May 1959, *M. Mellinger 901* (GAS). **Glynn Co.:** 24 May 1979, *B. Vaughan s.n.* (GA). **McIntosh Co.:** 30 Apr 1960, *W. Harmer 1037* (GA).

Eleocharis atropurpurea

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 6 Aug 2009, *R. Carter 19341* (GA, VSC). **Early Co.:** 16 Sep 1947, *R. Thorne 6675* (GA).

Eleocharis baldwinii

NORTH AMERICA. UNITED STATES GEORGIA. Brantley Co.: 21 Sep 1991, *R. Carter 9214* (GA, VSC). **Bryan Co.:** 22 Jul 1992, *R. Carter 10228* (GAS). **Bryan Co.:** (GA, VSC). **Bulloch Co.:** 23 Oct 1964, *D. Hall 185* (GAS); *P. Hooper 79* (GAS); 6 Nov 1964, *J. Spooner 305* (GAS). **Camden Co.:** 8 Sep 1963, *D. Blake s.n.* (GAS). **Camden Co.:** 15 Sep 1995, *R. Carter 12738* (VSC). **Charlton Co.:** 13 Sep 1973, *R. Kral 51632* (VSC); 18 Jun 1980, *J. Loew 1665* (GA); 9 Jul 1980, *J. Loew 1699* (GA-2); 11 Oct 1991, *R. Kral 79931A* (GA, VSC). **Chatham Co.:** 12 Jul 1958, *W. Duncan 21262* (GA). **Chattooga Co.:** 13 Jun 2011, *M. Medley s.n.* (VSC). **Clarke Co.:** 1 Oct 1980, *G. Plumley s.n.* (GA). **Decatur Co.:** 20 Aug 1947, *R. Thorne 6159* (GA); 13 Oct 1991, *R. Kral 80046* (GA, VSC); 23 Oct 2005, *R. Kral 96950* (VSC). **Echols Co.:** 9 Jul 1965, *W. Faircloth 2098* (GA); 9 Jul 1991, *R. Carter 8803* (VSC); *R. Carter 8810* (GA-2, VSC); *R. Carter 8822* (GA-2, VSC); *S. Jones 7254* (VSC). **Glynn Co.:** 29 Nov 1935, *J. Pyron 260* (GA). **Grady Co.:** 14 May 2001, *R. Kral 91089* (VSC); 14 Oct 2003, *R. Kral 94553* (VSC). **Harris Co.:** 19 Oct 1998, *D. Giannasi 1998-70* (GA). **Liberty Co.:** 21 Apr 1984, *N. Coile 3881* (GA). **Lowndes Co.:** 7 Jul 1977, *H. McIntyre s.n.* (VSC); 18 Sep 1991, *R. Carter 9158* (GA-2, VSC); 10 Aug 1996, *S. Jones 12831* (GA-3). **McIntosh Co.:** 7 Oct 1962, *J. Bozeman 2178* (GAS). **McIntosh Co.:** 16 Aug 1959, *W. Harmer 826* (GA); 7 Oct 1962, *J. Bozeman 2209* (GA). **Richmond Co.:** 23 Jul 1991, *M. Moore 1242* (GA). **Seminole Co.:** 5 Sep 1979, *S. Jones 23619* (GA). **Sumter Co.:** 15 Sep 1996, *R. Norris 6755* (GA). **Thomas Co.:** 28 Sep 1991, *R. Carter 9324* (VSC); 6 Jul 1998, *T. Waltzek 17* (GA). **Walker Co.:** 22 Jun 2012, *M. Medley s.n.* (VSC). **Ware Co.:** 9 Jul 1980, *J. Loew 1697* (GA-2); 4 Oct 2010, *R. Carter 20000* (VSC).

Eleocharis bifida

NORTH AMERICA. UNITED STATES GEORGIA. Catoosa Co.: 6 May 1951, *W. Duncan 12376* (GA, VSC).

Eleocharis brittonii

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 29 Apr 2006, *R. Carter 16539* (VSC). **Jeff Davis Co.:** 2 Aug 2013, *R. Carter 21255* (VSC). **Lowndes Co.:** 7 May 1970, *W. Faircloth 6666* (VSC). **McIntosh Co.:** 8 Aug 1988, *R. Carter 7275* (VSC). **Terrell Co.:** 19 Aug 2009, *R. Carter 19416* (VSC).

Eleocharis cellulosa

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 10 Oct 1952, *W. Duncan 14422* (GA); 28 Aug 1996, *R. Carter 13598* (VSC-2). **McIntosh Co.:** 12 Aug 1959, *W. Harmer 820* (GA). **Seminole Co.:** 15 Sep 1999, *S. Bergamo 145* (GA).

Eleocharis compressa

NORTH AMERICA. UNITED STATES GEORGIA. Catoosa Co.: 13 May 1970, *W. Duncan 23398* (GA); 23 Jun 1990, *J. Allison 4530* (GA).

Eleocharis dulcis

NORTH AMERICA. UNITED STATES GEORGIA. Oglethorpe Co.: 2 Sep 1981, *S. Jones 23672* (GA).

Eleocharis elongata

NORTH AMERICA. UNITED STATES GEORGIA. Charlton Co.: 24 May 1980, *J. Loew 1637* (GA). **Lowndes Co.:** 17 Aug 1990, *W. George s.n.* (VSC). **Screven Co.:** 15 Jul 1940, *D. Eyles 7236* (GA).

Eleocharis engelmannii

NORTH AMERICA. UNITED STATES GEORGIA. DeKalb Co.: 17 Jul 1992, *R. Kral 80855* (VSC). **Greene Co.:** 25 Sep 1937, *J. Pyron 1851* (GA). **Lowndes Co.:** 17 Jul 1977, *H. McIntyre s.n.* (VSC).

Eleocharis equisetoides

NORTH AMERICA. UNITED STATES GEORGIA. Berrien Co.: 27 Aug 1969, *W. Faircloth 5968* (GA, VSC). **Bryan Co.:** 27 Oct 1992, *Unknown 765* (GAS). **Bryan Co.:** *T. Zebryk 765* (GA, VSC). **Camden Co.:** 12 Oct 1996, *R. Carter 13914* (VSC); 1 Sep 2006, *R. Carter 17195* (VSC). **Clinch Co.:** 23 Jul 1992, *R. Carter 10246* (GA, VSC). **Colquitt Co.:** 12 Jul 2007, *R. Carter 17713* (VSC). **Decatur Co.:** 17 Jun 1947, *R. Thorne 4728* (GA); 5 Jun 1964, *W. Faircloth 1064* (GA). **Harris Co.:** 16 May 1972, *S. Jones 21846* (GA). **Lanier Co.:** 12 Oct 1967, *W. Faircloth 4933* (GA-2, VSC); 23 Jul 1992, *R. Carter 10254* (GA); 22 Jul 1994, *C. Wilson 312* (VSC); 28 May 2011, *B. Sanderson 639* (VSC). **Lee Co.:** 27 Jun 1971, *R. McNeil s.n.* (GA-2). **Lowndes Co.:** 16 Aug 1988, *V. McNeilus 88-444* (GA); 8 Aug 1989, *W. Faircloth 8903* (VSC). **Miller Co.:** 8 Jul 1947, *R. Thorne 5212* (GA). **Ware Co.:** 20 Jul 1992, *R. Carter 10203* (GA, VSC).

Eleocharis erythropoda

NORTH AMERICA. UNITED STATES GEORGIA. Barrow Co.: 12 May 1963, *P. Greear 6332* (GA). **Jasper Co.:** 25 Apr 1964, *W. Faircloth 868* (VSC). **Warren Co.:** 15 Jun 1988, *C. Bryson 8025* (VSC).

Eleocharis flavescens

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 8 Sep 1963, *D. Blake s.n.* (GA); 2 Jul 1996, *R. Carter 12987* (VSC); 10 Jun 2006, *R. Carter 16833* (VSC). **Chatham Co.:** 17 Oct 1964, *D. Hall 123* (GAS-3); *P. Hooper s.n.* (GAS-4). **DeKalb Co.:** 15 Mar 1936, *J. Pyron 469* (GA). **Early Co.:** 25 Aug 1948, *R. Thorne 8582* (GA). **Glynn Co.:** 28 Nov 1935, *J. Pyron 154* (GA). **Grady Co.:** 7 Jul 1948, *A. Cronquist 5455* (GA). **Jasper Co.:** 3 Nov 1960, *M. Mellinger 2686* (GAS). **McIntosh Co.:** 16 Apr 1954, *W. Duncan 17748* (GA); 10 Jul 1956, *W. Duncan 20262* (GA); 24 Jul 1959, *W. Harmer 792* (GA); 9 May 1960, *W. Harmer 1052* (GA); 14 Jun 1979, *S. Jones 23289* (GA). **Seminole Co.:** 1 Sep 1955, *R. Thorne 16777* (GA); 15 Sep 1999, *S. Bergamo 146* (GA).

Eleocharis geniculata

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 28 Aug 1996, *R. Carter 13595* (GA, VSC); *R. Carter 13603* (VSC). **Charlton Co.:** 9 Jul 1991, *R. Carter 8861* (VSC). **Chatham Co.:** 13 Oct 1960, *M. Mellinger 1874* (GAS).

Eleocharis melanocarpa

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 26 Aug 2009, *R. Carter 19459* (GA, VSC). **Brooks Co.:** 6 Jul 2007, *R. Carter 17658* (VSC). **Bryan Co.:** 25 Jun 1992, *R. Carter 9988* (GAS); 30 Jun 1992, *R. Carter 10002* (GAS). **Bryan Co.:** 25 Jun 1992, *R. Carter 9988* (GA, VSC); 30 Jun 1992, *R. Carter 10002* (GA, VSC); 1 Jul 1992, *R. Carter 10028* (GA, VSC). **Charlton Co.:** 24 Sep 2013, *R. Carter 21414* (VSC). **Cobb Co.:** 12 Jun 2007, *W. Zomlefer 1752* (GA). **Coffee Co.:** 27 May 1992, *R. Kral 80692* (VSC). **Dougherty Co.:** 28 Jun 1947, *R. Thorne 5008* (GA). **Early Co.:** 19 Jul 2007, *R. Carter 17793* (VSC). **Effingham Co.:** 12 Jul 1997, *B. Sorrie 9351* (GA). **Lanier Co.:** 23 Jul 1992, *R. Carter 10247* (GA, VSC). **Lowndes Co.:** 20 Mar 1939, *W. Duncan 1311* (GA); 7 May 1970, *W. Faircloth 6665* (VSC). **McIntosh Co.:** 7 Oct 1962, *J. Bozeman 2191* (GA). **Montgomery Co.:** 7 May 1994, *B. Sorrie 7924* (GA). **Screven Co.:** 13 Jul 1997, *B. Sorrie 9352* (GA). **Tift Co.:** 19 Jun 1992, *R. Kral 80904* (VSC).

Eleocharis microcarpa

NORTH AMERICA. UNITED STATES GEORGIA. **Bacon Co.:** 18 Aug 1988, *R. Carter 7395* (GA, VSC). **Baker Co.:** 29 Sep 1995, *L. Anderson 15926* (GA). **Bartow Co.:** 19 Jun 1951, *W. Duncan 12578* (GA); 27 Nov 1965, *P. Greear s.n.* (GA). **Berrien Co.:** 25 Jun 1901, *A. Curtiss 6821* (GA). **Bryan Co.:** 23 Jun 1992, *R. Carter 9899* (GAS). **Bryan Co.:** *R. Carter 9897* (GA, VSC); *R. Carter 9899* (GA, VSC); 1 Jul 1992, *R. Carter 10017* (VSC); *R. Carter 10019* (VSC); 14 Jul 1992, *R. Carter 10141* (VSC). **Calhoun Co.:** 6 Aug 2009, *R. Carter 19325* (GA, VSC). **Camden Co.:** 15 Aug 1971, *J. Richardson 20* (GA). **Charlton Co.:** 13 Sep 1973, *R. Kral 51631* (VSC). **Chatham Co.:** 24 Sep 1958, *M. Mellinger 1338* (GAS); 30 Nov 1959, *E. Mellinger 1784* (GAS); 28 Sep 1960, *M. Mellinger 1610* (GAS). **Decatur Co.:** 6 Sep 1955, *R. Thorne 17137* (GA). **DeKalb Co.:** 3 Jul 1978, *J. Allison 46* (GA); 16 Dec 1983, *J. Allison 1970* (GA). **Early Co.:** 2 May 1947, *R. Thorne 3479* (GA). **Echols Co.:** 20 Mar 1967, *W. Faircloth 4163* (GA); 21 Oct 1967, *W. Faircloth 4975* (GA). **Evans Co.:** 25 Jun 1992, *Unknown 1594* (GAS). **Evans Co.:** *M. Moore 1594* (GA, VSC). **Grady Co.:** 15 Aug 2003, *R. Kral 94373* (VSC). **Gwinnett Co.:** 20 Jun 1980, *J. Allison 1513* (GA). **Hancock Co.:** 8 Jul 1978, *J. Allison 68* (GA); 14 Jun 1983, *W. Duncan 30872* (GA). **Liberty Co.:** 16 Jul 1992, *R. Carter 10200* (GAS). **Liberty Co.:** 15 Jul 1992, *R. Carter 10161* (VSC); 16 Jul 1992, *R. Carter 10181* (VSC); *R. Carter 10200* (VSC); 13 Aug 1992, *R. Carter 10360* (GA, VSC). **Long Co.:** 28 May 1992, *Unknown 306* (GAS). **Long Co.:** 6 Oct 1962, *J. Bozeman 1949* (GA); 28 May 1992, *T. Zebryk 306* (GA, VSC). **Lowndes Co.:** 19 May 1966, *W. Faircloth 3220* (GA). **Macon Co.:** 22 Aug 1987, *R. Norris 5428* (GA). **McIntosh Co.:** 7 Oct 1962, *J. Bozeman 2314* (GAS); *J. Bozeman 2356* (GAS). **McIntosh Co.:** *J. Bozeman 2314* (GA); 28 May 1992, *C. Nordman s.n.* (GA). **Miller Co.:** 8 Jul 1947, *R. Thorne 5188* (GA); 18 Jul 1947, *R. Thorne 5554a* (GA). **Mitchell Co.:** 4 Nov 1947, *R. Thorne 7475* (GA); 28 Sep 1991, *R. Carter 9364* (VSC). **Monroe Co.:** 23 Jul 1987, *J. Allison 2897* (GA). **Newton Co.:** 5 Jul 1983, *J. Allison 1837* (GA). **Oglethorpe Co.:** 23 Sep 1967, *F. Montgomery 945* (GA). **Rockdale Co.:** 18 Oct 1936, *J. Pyron 1104* (GA); 10 May 1980, *J. Allison 1454* (GA). **Taylor Co.:** 9 Sep 1990, *S. Orzell 15053* (GA). **Terrell Co.:** 22 Aug 1948, *R. Thorne 8397* (GA). **Treutlen Co.:** 14 Jul 1994, *R. Kral 83792* (VSC). **Walker Co.:** 18 Jul 1987, *N. Coile 4769* (GA). **Ware Co.:** 3 Sep 2010, *R. Carter 19947* (VSC). **Wayne Co.:** 11 Jul 1901, *A. Curtiss 6841* (GA); //, *A. Curtiss 3083* (GA). **Wheeler Co.:** 1 Oct 1993, *K. Tassin s.n.* (GA). **Worth Co.:** 9 Sep 1973, *R. Kral 51546* (VSC).

Eleocharis minima

NORTH AMERICA. UNITED STATES GEORGIA. **Baker Co.:** 13 Jul 1995, *L. Anderson 15711* (FSU*).

Eleocharis montana

NORTH AMERICA. UNITED STATES GEORGIA. **Camden Co.:** 14 Oct 2006, *R. Carter 17314* (VSC). **Decatur Co.:** 12 Jun 1947, *R. Thorne 4623* (GA); 5 Jun 1964, *W. Faircloth 1064* (VSC); 30 Mar 2000, *R. Kral 89274* (VSC); 24 May 2001, *R. Kral 91127* (VSC). **Early Co.:** 16 Sep 1947, *R. Thorne 6683* (GA).

Eleocharis montevidensis

NORTH AMERICA. UNITED STATES GEORGIA. **Brantley Co.:** 12 Oct 1996, *R. Carter 13927* (VSC). **Camden Co.:** 3 Nov 1972, *J. Worthington 116* (GA); 22 Apr 1990, *G. Krakow 590* (GA); 21 May 1997, *J. Sharpe 510* (GA). **Chatham Co.:** 8 Jun 1958, *W. Duncan 20822* (GA). **Liberty Co.:** 16 Jul 1992, *R. Carter 10194* (GAS). **Liberty Co.:** 11 Jun 1984, *S. Jones 24113* (GA); 16 Jul 1992, *R. Carter 10194* (GA, VSC). **Lowndes Co.:** 15 May 2013, *R. Carter 20811* (VSC). **Pierce Co.:** 19 Jun 1992, *R. Carter 9859* (GA, VSC); 23 Jul 1992, *R. Carter 10245* (GA-2, VSC).

Eleocharis obtusa

NORTH AMERICA. UNITED STATES GEORGIA. **Baker Co.:** 8 Sep 1995, *L. Anderson 15854* (GA); *L. Anderson 15855* (GA); 13 Oct 1995, *L. Anderson 15971* (GA); 18 May 1996, *L. Anderson 16412* (GA). **Baldwin Co.:** 6 May 1939, *W. Duncan 1353* (GA). **Bartow Co.:** 29 Oct 1988, *L. Foote s.n.* (GA). **Ben Hill Co.:** 4 May 1968, *W. Faircloth 5171* (VSC). **Berrien Co.:** 21 May 1988, *R. Carter 6623* (VSC-3). **Brooks Co.:** 21 Apr 1967, *W. Faircloth 4264* (GA, VSC). **Bryan Co.:** 23 Jun 1992, *R. Carter 9885* (GA, VSC); 14 Jul 2006, *R. Carter 16971* (VSC). **Bulloch Co.:** 7 Oct 1964, *J. Spooner 76* (GAS); *R. O'Steen 143* (GAS); 2 Nov 1964, *D. Hall 21* (GAS); *D. Hall 73* (GAS-3); *P. Hooper s.n.* (GAS); 23 Jun 1965, *Fordham s.n.* (GAS). **Butts Co.:** 18 Sep 1988, *C. Howel 1682* (GA). **Calhoun Co.:** 24 May 1947, *R. Thorne 4140* (GA). **Camden Co.:** 26 Apr 2004, *D. Giannasi 729* (GA); 20 May 2006, *R. Carter 16703* (VSC); 28 Sep 2006, *W. Zomlefer 1302* (GA). **Catoosa Co.:** 16 Jun 2012, *J. Shaw s.n.* (GA). **Chatham Co.:** 10 Apr 1959, *M. Mellinger 898* (GAS); 17 Oct 1960, *M. Mellinger 1963* (GAS); 24 Oct 1960, *M. Mellinger 1993* (GAS). **Chatham Co.:** 13 Jul 2006, *R. Carter 16940* (VSC). **Cherokee Co.:** 13 Jun 1948, *W. Duncan 8333* (GA); *W. Duncan 8369* (VSC); 6 Oct 1988, *L. Foote s.n.* (GA). **Clarke Co.:** 28 Sep 1946, *A. Cronquist 4186* (GA); 31 Aug 1947, *A. Cronquist 4630* (GA); 20 May 1964, *W. Faircloth 1036* (VSC); 29 May 1980, *J. Allison 1477* (GA); 24 Aug 1999, *R. Liebermann 99-8600-020* (GA); 21 Aug 2001, *K. Francl 27* (GA). **Clay Co.:** 28 Sep 1991, *R. Carter 9389* (VSC). **Cobb Co.:** 13 Sep 1991, *R. Carter 9106* (GA, VSC); 22 Sep 2001, *J. Cruse-Sanders 119* (GA); 26 Aug 2003, *G. Weng 39* (GA); 10 May 2006, *W. Zomlefer 870* (GA). **Colquitt Co.:** 12 Jul 1966, *W. Faircloth 3433* (GA, VSC); 26 Jun 1988, *R. Carter 6803* (VSC). **Columbia Co.:** 27 May 1950, *W. Duncan 10940* (GA); 15 May 2006, *J. Williams s.n.* (VSC); 13 Aug 2006, *M. Morris s.n.* (VSC). **Cook Co.:** 23 Sep 1967, *W. Faircloth 4894* (GA, VSC); 18 Jul 1968, *W. Faircloth 5357* (VSC); 26 Jun 1988, *R. Carter 6816* (VSC). **Dawson Co.:** 30 Sep 1988, *L. Foote s.n.* (GA); 20 Jul 2001, *L. Kruse 01-465* (GA); 14 Jul 2002, *L. Kruse 02-260* (GA); 31 Aug 2002, *L. Kruse 02-327* (GA, VSC). **Decatur Co.:** 29 May 1947, *R. Thorne 4284* (GA); 12 Jun 1947, *R. Thorne 4624* (GA); 7 Sep 1955, *R. Thorne 17262* (GA); 20 May 1967, *W. Faircloth 4461* (GA, VSC); 5 Aug 1989, *R. Carter 8022* (GA, VSC). **DeKalb Co.:** 25 May 1929, *J. Reade s.n.*

(GA); 20 Aug 1950, G. McDowell 635 (GA); 9 May 1995, M. Moore 2092 (GA). **Dougherty Co.:** 28 Jun 1947, R. Thorne 5001 (GA). **Early Co.:** 12 Aug 1947, R. Thorne 6051 (GA). **Elbert Co.:** 9 May 1978, J. Fairey 770 (GA). **Floyd Co.:** 24 Jul 1939, H. Jones 643 (GA); 15 Jun 1974, G. Dorsey s.n. (GA). **Fulton Co.:** 7 Jun 1947, Vernard V-369 (GA); 10 Apr 1971, B. Caldwell s.n. (VSC); 17 Sep 1999, T. Govus 1150 (GA). **Gilmer Co.:** 18 Jun 1966, S. Taylor 66-168-4 (GA). **Glascock Co.:** 22 Jul 2017, P. Lowe 56 (VSC). **Gordon Co.:** 13 Sep 1991, R. Carter 9129 (GA-2, VSC); 10 Jun 1998, C. Howel 2195 (GA); 24 Jun 1998, C. Howel 2239 (GA). **Grady Co.:** 7 Sep 1965, W. Faircloth 2986 (GA, VSC); 14 May 2001, R. Kral 91087 (VSC). **Gwinnett Co.:** 13 May 2006, P. Hyatt 11976 (GA, VSC); 26 Jul 2006, P. Hyatt 12055 (GA); 3 Sep 2006, P. Hyatt 12081 (GA, VSC). **Habersham Co.:** 25 Jun 1967, W. Duncan 23061 (GA, VSC). **Hall Co.:** 22 Jun 1955, W. Duncan 18957 (GA); 24 Sep 1955, W. Duncan 19424 (GA). **Harris Co.:** 24 Aug 1971, S. Jones 21296 (GA); 16 Jul 1998, Crook 495 (GA); 19 Oct 1998, D. Giannasi 1998-17 (GA); 20 Oct 1998, D. Giannasi 1998-95 (GA). **Houston Co.:** 9 Aug 1987, R. Carter 6054 (VSC); 4 Aug 2005, L. Echols 320 (GA); 23 Jun 2006, L. Echols 583 (GA). **Jackson Co.:** 14 Jun 1936, J. Pyron 522 (GA). **Jasper Co.:** 7 Apr 2012, S. Sewell 46 (GA, VSC); 19 May 2012, S. Sewell 259 (GA); 25 May 2012, S. Sewell 367 (GA); 22 Sep 2012, S. Sewell 941 (GA); 26 May 2013, S. Sewell 1486 (GA, VSC); S. Sewell 1487 (GA, VSC). **Jones Co.:** 23 Jun 1999, Sweeney 854 (GA). **Lanier Co.:** 20 May 2010, R. Carter 19803 (VSC). **Liberty Co.:** 16 Jul 1992, R. Carter 10199 (GA, VSC). **Long Co.:** 5 May 1992, Unknown 215 (GAS). **Long Co.:** T. Zebryk 215 (GA). **Lowndes Co.:** 10 Jun 1967, R. Norris 854 (VSC); 20 Aug 1994, J. Lusk 138 (VSC). **Lumpkin Co.:** 2 Oct 1955, W. Duncan 19780 (GA); 19 Jun 2001, L. Kruse 01-294 (GA); 8 Aug 2001, L. Kruse 01-600 (GA). **Macon Co.:** 24 Aug 1929, J. Pyron s.n. (GA). **Madison Co.:** 5 Aug 1950, W. Duncan 11625 (GA); 11 Oct 1980, N. Coile 2182 (GA). **McDuffie Co.:** 2 Oct 1949, W. Duncan 10597 (GA). **McIntosh Co.:** 9 Nov 1960, W. Harmer 1198 (GA). **Miller Co.:** 18 Jul 1947, R. Thorne 5441 (GAS). **Miller Co.:** 25 Sep 1947, R. Thorne 6813 (GA); 7 Sep 1988, M. Owsley 947 (VSC). **Mitchell Co.:** 31 Jul 1947, R. Thorne 5791 (GA); 20 Apr 1970, W. Faircloth 6592 (GA, VSC); 28 Sep 1991, R. Carter 9358 (VSC). **Monroe Co.:** 19 Jul 1987, C. Howel 510 (GA); 15 Jul 1991, J. Payne s.n. (GA). **Morgan Co.:** 12 Aug 1979, J. Hill 1063 (GA). **Murray Co.:** 10 Jun 2001, J. Moore 733 (GA). **Newton Co.:** 3 Nov 1979, J. Allison 1039 (GA). **Oconee Co.:** 16 May 1992, J. Seward 1180 (GA). **Oglethorpe Co.:** 3 Nov 1935, J. Pyron 50 (GA); 4 Jun 1966, F. Montgomery 545 (GA). **Paulding Co.:** 13 Sep 1991, R. Carter 9111 (GA, VSC); R. Carter 9121 (GA, VSC). **Pickens Co.:** 14 Sep 1991, R. Carter 9143 (GA, VSC). **Pike Co.:** 30 Aug 1986, J. Allison 2743 (GA). **Putnam Co.:** 30 Sep 1947, A. Cronquist 4760 (GA). **Rabun Co.:** 5 Sep 1911, J. Reade s.n. (GA); 21 Jul 1946, W. Duncan 6606 (GA); 14 Aug 1949, W. Duncan 10106 (GA); 14 Jun 1995, C. Howel 706 (GA); 15 May 1996, B. Stiles 930 (GA); 19 Jun 1996, W. Noel 960619-9 (GA); 28 Oct 1998, B. Stiles 1302 (GA). **Richmond Co.:** 15 May 1998, C. Christy 3360 (GA). **Seminole Co.:** 7 Sep 1955, R. Thorne 17253 (GA); 5 Aug 1989, R. Carter 8027 (VSC); 1 Sep 1999, S. Bergamo 149 (GA). **Sumter Co.:** 8 Jul 1996, R. Norris 6710 (GA); 17 Jun 1999, R. Norris 7051 (GA). **Thomas Co.:** 2 Aug 1965, W. Faircloth 2617 (GA, VSC); 28 Sep 1991, R. Carter 9331 (VSC); R. Carter 9339 (VSC). **Tift Co.:** 22 Apr 1967, W. Faircloth 4295 (GA, VSC). **Upson Co.:** 22 Apr 1978, N. Coile 1708 (GA); 10 Jul 1988, R. Carter 6981 (GA, VSC). **Walker Co.:** 19 Aug 1951, W. Duncan 13091 (GA); 18 Aug 1981, N. Coile 2282 (GA); 18 Jul 1987, N. Coile 4772 (GA). **Walton Co.:** 16 Jun 1992, J. Seward 1287 (GA). **White Co.:** 19 Oct 1990, J. Allison 4989 (GA). **Whitfield Co.:** 2 Jul 2012, R. Carter 20461 (VSC). **Wilkes Co.:** 24 May 1970, C. Fitzgerald 270 (GA). **Worth Co.:** 9 Sep 1973, R. Kral 51547 (VSC).

Eleocharis olivacea

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 12 Oct 2006, L. Kruse 7 (GA). **Early Co.:** 29 Oct 1947, R. Thorne 7382 (GA). **Evans Co.:** 17 Jun 1992, R. Carter 9828 (GAS). **Evans Co.:** (GA, VSC). **Jasper Co.:** 15 Jul 1958, M. Mellinger 1246 (GAS). **Liberty Co.:** 16 Jul 1992, R. Carter 10180 (GAS); 26 Aug 1992, Unknown 1696 (GAS). **Liberty Co.:** 16 Jul 1992, R. Carter 10179 (GA, VSC); R. Carter 10185 (VSC); 26 Aug 1992, M. Moore 1696 (GA, VSC).

Eleocharis parvula

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 17 Jul 1964, P. Greear 64278A (GA). **Camden Co.:** 23 Jul 1996, R. Carter 13347 (GAS). **Camden Co.:** 8 Jul 1996, R. Carter 13109 (VSC); R. Carter 13110 (GA, VSC). **Chatham Co.:** 11 Jun 1958, W. Duncan 20927 (GA). **Grady Co.:** 8 May 1964, W. Faircloth 953 (GA). **Liberty Co.:** 12 Jun 1984, S. Jones 24151 (GA). **McIntosh Co.:** 25 Jul 1956, W. Duncan 20359 (GAS). **McIntosh Co.:** (GA, VSC).

Eleocharis quadrangulata

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 12 Aug 1951, W. Duncan 12965 (GA). **Brantley Co.:** 3 Aug 1953, W. Duncan 17029 (GA). **Bryan Co.:** 14 Jul 1992, R. Carter 10139 (GAS). **Bryan Co.:** (GA, VSC). **Bulloch Co.:** 5 May 1986, M. Toole 225 (GAS). **Camden Co.:** 1 Sep 2006, R. Carter 17191 (VSC). **Chatham Co.:** 31 Jul 1958, Mellinger s.n. (GA); 20 Jul 1979, J. Bozeman s.n. (GA); 7 Aug 1979, T. Tatum s.n. (GA). **Jasper Co.:** 31 May 1958, M. Mellinger 104B (GAS); 15 Aug 1959, E. Mellinger 2134 (GAS). **Liberty Co.:** 25 Oct 1985, M. Moore 606 (GA). **Miller Co.:** 18 Jul 1947, R. Thorne 5564 (GA). **Rabun Co.:** 1 Jul 1965, Welch s.n. (GA). **Ware Co.:** 28 Aug 1967, W. Faircloth 4727 (GA, VSC).

Eleocharis robbinsii

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 27 Jun 2006, W. Zomlefer 1054 (GA). **Charlton Co.:** 24 May 1980, J. Loew 1637 (GA). **Decatur Co.:** 5 Jun 1947, R. Thorne 4468 (GA); 15 Oct 2013, R. Carter 21450 (VSC). **Long Co.:** 6 Oct 1962, J. Bozeman 2046 (GAS). **Seminole Co.:** 1 Sep 1955, R. Thorne 16776 (GA). **Taylor Co.:** 18 Sep 2009, R. Carter 19611 (GA, VSC).

Eleocharis tenuis

NORTH AMERICA. UNITED STATES GEORGIA. Dooly Co.: 31 Jul 1953, *W. Duncan 16842* (GA). **Floyd Co.:** 23 Apr 1936, *H. Jones 510* (GA); 3 May 1999, *T. Govus 1108* (GA). **Spalding Co.:** 04/20/1899, *A. Quaintance s.n.* (GA). **Sumter Co.:** 22 Mar 1997, *R. Norris 6795* (GA).

Eleocharis tortilis

NORTH AMERICA. UNITED STATES GEORGIA. Ben Hill Co.: 19 Jul 1967, *W. Faircloth 4689* (GA); 19 Aug 1967, (VSC). **Berrien Co.:** 21 May 1988, *R. Carter 6620* (VSC); *R. Carter 6629* (VSC). **Camden Co.:** 9 Jun 2006, *R. Carter 16794* (VSC); 29 Jun 2006, *R. Carter 16869* (VSC). **Clay Co.:** 24 Jun 1947, *R. Thorne 4913* (GA). **Coweta Co.:** 30 Jun 1999, *T. Govus 1128* (GA). **Decatur Co.:** 25 Aug 1982, *N. Coile 3076* (GA). **Lowndes Co.:** 7 May 1970, *W. Faircloth 6665* (GA). **Macon Co.:** 4 May 2013, *W. Zomlefer 3018b* (GA); *W. Zomlefer 3019* (GA); *W. Zomlefer 3020* (GA). **Upson Co.:** 9 Sep 2007, *R. Carter 18045* (VSC).

Eleocharis tricostata

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 20 May 1947, *R. Thorne 4042* (GA); 6 Aug 2009, *R. Carter 19342* (VSC); 26 Aug 2009, *R. Carter 19458* (GA, VSC). **Camden Co.:** 7 Apr 2006, *Carter 16448* (VSC); 19 May 2006, *R. Carter 16615* (VSC). **Decatur Co.:** 12 Jun 1947, *R. Thorne 4652* (GA); 18 Jun 2010, *R. Carter 19821* (GA, VSC). **Lanier Co.:** 20 May 2010, *R. Carter 19802* (VSC). **Lee Co.:** 25 May 1988, *R. Norris 5504* (GA). **Lowndes Co.:** 10 Jun 1957, *R. Norris 855* (VSC). **Macon Co.:** 4 May 2013, *W. Zomlefer 2998* (GA); *W. Zomlefer 3018a* (GA). **McIntosh Co.:** 19 Apr 1962, *J. Bozeman 443* (GAS). **McIntosh Co.:** 2 Apr 1954, *W. Duncan 17606* (GA); 14 Oct 1961, *W. Harmer 1401* (GA); 19 Apr 1962, *J. Bozeman 452* (GA). **Meriwether Co.:** 17 May 1974, *W. Faircloth 7615* (VSC). **Miller Co.:** 14 May 1947, *R. Thorne 3926* (GA). **Mitchell Co.:** 27 Jul 1946, *W. Duncan 6686* (GA). **Seminole Co.:** 9 Jun 1940, *D. Eyles 7117* (GA); 1 Sep 1955, *R. Thorne 16774* (GA). **Terrell Co.:** 19 Aug 2009, *R. Carter 19417* (GA, VSC). **Thomas Co.:** 26 Apr 2010, *R. Carter 19699* (VSC); *R. Carter 19701* (VSC).

Eleocharis tuberculosa

NORTH AMERICA. UNITED STATES GEORGIA. Appling Co.: 6 May 1973, *Robinson 15-4* (GAS). **Atkinson Co.:** 21 Jul 1969, *R. Norris 1259* (VSC). **Bartow Co.:** 18 May 1951, *W. Duncan 12388* (GA); 13 Jul 1951, *W. Duncan 12708* (GA); 19 Jul 1951, *W. Duncan 12582* (GA); 18 Sep 1951, *W. Duncan 13168* (GA); 17 Jul 1964, *P. Greear 64292* (GA); 10 Sep 1965, *P. Greear 65341* (GA). **Berrien Co.:** 26 Jun 1988, *R. Carter 6846* (VSC). **Brantley Co.:** 30 Nov 1935, *J. Pyron 313* (GA); 4 Jul 1988, *R. Carter 6965* (VSC); 21 Sep 1991, *R. Carter 9233* (GA, VSC); 12 Oct 1996, *R. Carter 13928* (GA, VSC). **Brooks Co.:** 1 Jul 1965, *W. Faircloth 1984* (GA, VSC). **Bulloch Co.:** 2 May 1963, *H. J. s.n.* (GAS); 30 Apr 1964, *P. Trapnell s.n.* (GAS); 23 Jun 1965, *W. Tanner 62* (GAS); 1 Jul 1965, *Fordham s.n.* (GAS); 5 May 1986, *J. Love 65* (GAS-2); *P. Quattlebaum 65* (GAS); *T. Fox 65* (GAS); 21 May 1996, *Unknown 85* (GAS-2); 19 May 1998, *B. Willis 75* (GAS); 8 Jun 1999, *J. Middleton 32* (GAS); *R. LeBlanc 32* (GAS). **Burke Co.:** 5 Jul 1936, *R. McVaugh 614* (GAS). **Burke Co.:** 13 Jul 1965, *W. Duncan 22514* (GA). **Camden Co.:** 15 Aug 1971, *J. Richardson 14* (GA); 9 Jun 2006, *R. Carter 16800* (VSC). **Candler Co.:** 21 Oct 1968, *J. Peabody 141* (GAS); *P. Sheahan 57* (GAS). **Candler Co.:** 4 Jul 1936, *J. Pyron 701* (GA). **Carroll Co.:** 23 Dec 1955, *E. Carnes 78* (GA); 19 Jul 1967, *P. Copely s.n.* (VSC). **Charlton Co.:** 14 Apr 1940, *W. Duncan 1947* (GA); 9 Jul 1991, *R. Carter 8853* (GA, VSC); *R. Carter 8862* (VSC); *R. Carter 9953* (GA). **Chatham Co.:** 15 Jun 1958, *W. Duncan 21043* (GAS); 1 Oct 1960, *M. Mellinger 1791* (GAS). **Chatham Co.:** 9 Jun 1958, *W. Duncan 20857* (GA); 15 Jun 1958, *W. Duncan 21043* (GA). **Clarke Co.:** 13 Jun 1936, *J. Pyron 514* (GA). **Clay Co.:** 16 Jun 1994, *P. Sheridan 1698* (GA). **Colquitt Co.:** 10 Aug 1965, *W. Faircloth 2694* (GA, VSC); 6 Sep 1967, *W. Faircloth 4840A* (GA); *W. Faircloth 4840-A* (VSC); 12 Jun 2004, *R. Kral 95333* (VSC); 4 Jun 2006, *P. Hyatt 11995* (VSC); 20 Jun 2013, *R. Carter 21016* (VSC). **Cook Co.:** 19 Jul 1965, *W. Faircloth 2393* (GA, VSC); 26 Jun 1988, *R. Carter 6824* (VSC). **Crawford Co.:** 8 Sep 1990, *S. Orzell 14932* (GA). **Crisp Co.:** 4 Jun 2006, *P. Hyatt 11987* (GA, VSC). **Decatur Co.:** 27 Jul 1946, *W. Duncan 6721* (GA); 5 Jun 1964, *W. Faircloth 1071* (GA, VSC). **Early Co.:** 12 Aug 1947, *R. Thorne 6022* (GA). **Echols Co.:** 27 Aug 1978, *M. Norsworthy 528* (VSC); 1 Jun 1982, *L. Anderson 5939* (GA); 9 Jul 1991, *R. Carter 8802* (GA-2, VSC). **Evans Co.:** 16 Jun 1992, *Unknown 3911* (GAS). **Evans Co.:** *R. Carter 9782a* (VSC); *T. Zebryk 391* (GA, VSC). **Glynn Co.:** 24 Jul 1941, *W. Duncan 3752* (GA). **Grady Co.:** 3 Sep 1964, *W. Faircloth 1512* (GA, VSC); 25 May 1993, *L. Anderson 14356* (GA); 15 Aug 2003, *R. Kral 94374* (VSC). **Gwinnett Co.:** 20 Jun 1980, *J. Allison 1500* (GA). **Irwin Co.:** 18 Sep 2009, *B. Sanderson 521* (VSC). **Lanier Co.:** 30 Jul 1965, *W. Faircloth 2547* (GA, VSC); 19 Jul 1966, *W. Faircloth 3601* (GA, VSC). **Liberty Co.:** 24 Jun 1992, *R. Carter 9916* (GA, VSC). **Long Co.:** 10 Sep 1946, *W. Duncan 7116* (GA); 6 Oct 1962, *J. Bozeman 1967* (GA); 5 May 1992, *T. Zebryk 215* (VSC). **McIntosh Co.:** 16 Apr 1954, *W. Duncan 17769* (GAS); 6 Jun 1963, *J. Bozeman 2964* (GAS). **McIntosh Co.:** 16 Apr 1954, *W. Duncan 17769* (GA); 26 May 1956, *W. Duncan 20112* (VSC); 14 Jul 1962, *J. Bozeman 1089* (GA); 8 Aug 1988, *R. Carter 7274* (VSC); 21 Sep 1991, *R. Carter 9282* (VSC). **Meriwether Co.:** 13 Jul 1971, *S. Jones 20895* (GAS). **Meriwether Co.:** 23 Aug 1971, *S. Jones 21170* (GA). **Miller Co.:** 28 Apr 1947, *R. Thorne 3416* (GA). **Mitchell Co.:** 28 Sep 1991, *R. Carter 9359* (VSC). **Montgomery Co.:** 10 Aug 2017, *P. Lowe 79* (VSC). **Muscogee Co.:** 30 Aug 1980, *J. Manhart 121* (VSC). **Peach Co.:** 18 Jun 1994, *P. Sheridan 1721* (GA). **Pierce Co.:** 19 Jun 1992, *R. Carter 9858* (GA, VSC). **Seminole Co.:** 15 May 1993, *L. Anderson 14308* (GA). **Tattnall Co.:** 3 Oct 1999, *J. Moore 259* (GA). **Taylor Co.:** 18 Jul 1948, *A. Cronquist 5525* (GA); 9 Sep 1990, *S. Orzell 15062* (GA); 15 Aug 1994, *R. Kral 84018* (GA, VSC); 13 Sep 2003, *L. Krueger 116* (GA). **Terrell Co.:** 22 Aug 1948, *R. Thorne 8396* (GA). **Thomas Co.:** 28 Sep 1991, *R. Carter 9336* (VSC); 27 Apr 2004, *R. Kral 94985* (VSC); 12 Jun 2004, *R. Kral 95308* (VSC); 26 Apr 2010, *R. Carter 19714* (VSC); *R. Carter 265716* (GA). **Tift Co.:** 2 Aug 2001, *C. Bryson 18992* (VSC). **Toombs Co.:** 24 Oct 1952, *W. Duncan 14624* (GA). **Treutlen Co.:** 14 Jul 1994, *R. Kral 83793A* (GA, VSC). **Ware Co.:** 6 Jul 1969, *B. Dial s.n.* (GA-2). **Wayne Co.:** 25 Apr 1970, *M.*

Bowles 192 (GAS). **Wayne Co.:** 12 Apr 1942, *W. Duncan* 4710 (GA); 17 Jun 1949, *W. Duncan* 9720 (GA). **Webster Co.:** 18 May 2009, *P. Rothrock* 4852 (VSC). **Wilkinson Co.:** 24 Jul 1946, *W. Duncan* 6626 (GA). **Worth Co.:** 29 Aug 1992, *S. Orzell* 20518 (GA).

Eleocharis vivipara

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 22 Apr 1990, *G. Krakow* 583 (GA-2); 2 Jul 1996, *R. Carter* 13015 (GA, VSC); 22 May 1997, *J. Sharpe* 515 (GA); 15 Jun 2004, *D. Giannasi* 938 (GA). **Chatham Co.:** 24 Oct 1959, *E. Mellinger* 1339 (GAS). **Decatur Co.:** 5 Jun 1947, *R. Thorne* 4471 (GA); 17 Jun 1947, *R. Thorne* 4734 (GA). **Dougherty Co.:** 00/00/1923, *J. Gillespie s.n.* (GA). **Echols Co.:** 21 Jul 1969, *W. Faircloth* 5875 (GA). **Evans Co.:** 16 Jun 1992, *R. Carter* 9755 (GA, VSC-2). **Glynn Co.:** 30 Apr 2003, *J. Schmidt s.n.* (GA). **Grady Co.:** 18 Apr 2006, *R. Kral* 97196A (VSC). **Lanier Co.:** 14 Jul 1988, *R. Carter* 7024 (VSC); 23 Jul 1992, *R. Carter* 10248 (VSC). **Lowndes Co.:** 10 Aug 1996, *S. Jones* 12830 (GA-2). **Seminole Co.:** 1 Sep 1955, *R. Thorne* 16775 (GA). **Ware Co.:** 19 Apr 1994, *K. Williges* 127 (GA).

Eleocharis wolfii

NORTH AMERICA. UNITED STATES GEORGIA. Walton Co.: 16 Apr 1938, *J. Pyron* 2555 (GA); 20 Apr 1950, *W. Duncan* 10718 (GA); 6 Jun 1991, *J. Allison* 5338 (GA); 25 Jul 1991, *J. Allison* 5535 (GA, VSC); 27 May 2013, *J. Allison* 14353 (GA).

Eleocharis

NORTH AMERICA. UNITED STATES GEORGIA. Chatham Co.: 2 Aug 1959, *E. Mellinger* 1046 (GAS).

Eriophorum virginicum

NORTH AMERICA. UNITED STATES GEORGIA. Charlton Co.: 7 Aug 1902, *R. Harper* 1474 (UNC*). **Rabun Co.:** 21 Jul 1946, *W. Duncan* 6614 (GA); 3 Aug 1946, *W. Duncan* 6839 (GA); 13 Sep 1949, *W. Duncan* 10353 (GA).

Fimbristylis annua

NORTH AMERICA. UNITED STATES GEORGIA. Barrow Co.: 12 Oct 1983, *J. Allison* 1885 (GA). **Bibb Co.:** 8 Dec 2008, *T. Murphy s.n.* (VSC). **Bryan Co.:** 17 Aug 1963, *R. Kral* 18796 (VSC). **Bulloch Co.:** 31 Aug 1964, *R. Kral* 22374 (VSC); *R. Kral* 22382 (VSC). **Butts Co.:** 23 Oct 1986, *J. Allison* 2802 (GA). **Camden Co.:** 12 Aug 1963, *R. Kral* 18633 (VSC); 11 Aug 1974, *J. Sharpe* 258 (GA). **Carroll Co.:** 30 Jul 1967, *R. Kral* 28840 (VSC); 13 Aug 1987, *J. Allison* 2933 (GA). **Chatham Co.:** 6 Aug 1958, *W. Duncan* 21434 (GAS); 1 Jun 1959, *M. Mellinger* 463 (GAS). **Chatham Co.:** 6 Aug 1958, *W. Duncan* 21434 (GA); 21 Aug 1963, *R. Kral* 18938 (VSC). **Clarke Co.:** 24 Sep 1937, *J. Pyron* 1844 (GA); 24 Oct 1979, *J. Allison* 980 (GA). **Coffee Co.:** 26 Sep 1987, *W. Faircloth* 8846 (VSC); 12 Oct 2007, *R. Carter* 18171 (VSC); 11 Sep 2013, *R. Carter* 21350 (VSC). **Columbia Co.:** 11 Oct 1936, *J. Pyron* 1051 (GA). **Coweta Co.:** 14 Nov 1979, *J. Allison* 1113 (GA). **Decatur Co.:** 23 Aug 1964, *R. Kral* 22061 (VSC); *R. Kral* 22062 (VSC); 18 Aug 1999, *R. Kral* 88673 (VSC); *R. Kral* 88674 (VSC). **DeKalb Co.:** 20 Aug 1950, *G. McDowell* 636 (GA); 9/11/1894, *J. Small s.n.* (GA); 9/11/1895, (VSC); 9/11/1896, (VSC). **Dougherty Co.:** 14 Aug 1947, *R. Thorne* 6067 (GA). **Douglas Co.:** 28 Aug 1987, *J. Allison* 2947 (GA). **Elbert Co.:** 28 Aug 1955, *G. McDowell s.n.* (GA); 1 Oct 1986, *J. Allison* 2793 (GA). **Fulton Co.:** 30 Aug 1985, *J. Allison* 2500 (GA). **Grady Co.:** 24 Aug 1964, *R. Kral* 22084 (VSC). **Greene Co.:** 26 Sep 1971, *S. Jones* 21534 (GA). **Gwinnett Co.:** 17 Aug 1984, *J. Allison* 2372 (GA). **Hancock Co.:** 14 Sep 1986, *J. Allison* 2753 (GA). **Hart Co.:** 12 Oct 1986, *J. Allison* 2798 (GA). **Heard Co.:** 31 Aug 1985, *J. Allison* 2507 (GA). **Houston Co.:** 25 Aug 1994, *R. Kral* 84131 (GA, VSC). **Jackson Co.:** 15 Oct 1936, *J. Pyron* 1073 (GA). **Jasper Co.:** 2 Oct 1986, *J. Allison* 2800 (GA). **Lowndes Co.:** 8 Sep 1990, *W. George s.n.* (VSC). **Macon Co.:** 17 Sep 2013, *W. Zomlefer* 3277 (GA). **Meriwether Co.:** 23 Aug 1971, *S. Jones* 21164.1 (GA). **Miller Co.:** 18 Jul 1947, *R. Thorne* 5409 (GA). **Muscogee Co.:** 31 Aug 1985, *J. Allison* 2551 (GA). **Newton Co.:** 3 Nov 1979, *J. Allison* 1037 (GA). **Oglethorpe Co.:** 28 Aug 1940, *R. McVaugh* 5369 (GA); 10 Oct 1965, *F. Montgomery* 249 (GA); 14 Oct 1966, *F. Montgomery* 722 (GA). **Pike Co.:** 24 Oct 1937, *J. Pyron* 1930 (GA). **Putnam Co.:** 14 Sep 1986, *J. Allison* 2757 (GA). **Rockdale Co.:** 18 Oct 1936, *J. Pyron* 1103 (GA). **Telfair Co.:** 30 Aug 1964, *R. Kral* 22351 (VSC). **Thomas Co.:** 28 Sep 1991, *R. Carter* 9335 (VSC); 23 Aug 1994, *R. Kral* 84119 (GA). **Walton Co.:** 3 Oct 1936, *J. Pyron* 976 (GA). **Worth Co.:** 25 Aug 1964, *R. Kral* 22119 (VSC).

Fimbristylis autumnalis

NORTH AMERICA. UNITED STATES GEORGIA. Appling Co.: 17 Jun 1993, *K. Tassin s.n.* (GA). **Bacon Co.:** 17 Aug 1993, *R. Kral* 83146 (GA, VSC); 19 Nov 2009, *M. Czarnota s.n.* (VSC). **Baker Co.:** 9 Jul 1966, *R. Kral* 27068 (GA). **Ben Hill Co.:** 19 Aug 1967, *W. Faircloth* 4622 (GA, VSC). **Brooks Co.:** 15 Sep 1969, *W. Faircloth* 6156 (GA, VSC); 5 Aug 1989, *R. Carter* 8017 (GA, VSC). **Bryan Co.:** 17 Aug 1963, *R. Kral* 18795 (VSC); 10 Jul 2014, *W. Zomlefer* 3653 (GA). **Bulloch Co.:** 19 Aug 1961, *J. Boole* 1176 (GAS); 30 Aug 1961, *J. Boole* 1219 (GAS); 23 Oct 1964, *P. Hooper s.n.* (GAS); 3 Nov 1964, *J. Spooner* 217 (GAS). **Burke Co.:** 15 Jul 1969, *W. Duncan* 23336 (GA). **Butts Co.:** 9 Aug 1987, *R. Carter* 6039 (GA, VSC). **Calhoun Co.:** 10 Jul 1966, *R. Kral* 27143 (VSC); 19 Aug 2009, *R. Carter* 19386 (VSC). **Camden Co.:** 12 Aug 1963, *R. Kral* 18632 (VSC); 8 Sep 1963, *D. Blake s.n.* (GA); 18 Oct 1972, *J. Sharpe* 56 (GA); 11 Aug 1974, *J. Worthington* 258 (GA); 16 Sep 1995, *R. Carter* 12803 (VSC); 6 Oct 1995, *R. Carter* 12915 (VSC); 28 Aug 1996, *R. Carter* 13596 (GA, VSC). **Candler Co.:** 4 Jul 1936, *J. Pyron* 706 (GA). **Charlton Co.:** 1 Oct 2004, *P. Hyatt* 11781 (VSC). **Chatham Co.:** 5 Aug 1958, *W. Duncan* 21387 (GAS-2); 8 Nov 1958, *M. Mellinger* 907 (GAS); 25 Sep 1960, *M. Mellinger* 1523 (GAS); 1 Oct 1960, *M. Mellinger*

1790 (GAS). **Chatham Co.:** 5 Aug 1958, *W. Duncan 21387* (GA); 12 Jun 2012, *W. Zomlefer 2717* (GA). **Chattahoochee Co.:** 8 Oct 2001, *M. Waters 292* (VSC). **Cherokee Co.:** 4 Oct 1988, *L. Foote s.n.* (GA). **Clarke Co.:** 6 Aug 1941, *M. Duncan 159* (GAS). **Clarke Co.:** 8 Nov 1935, *J. Pyron 60* (GA). **Clay Co.:** 24 Aug 1948, *R. Thorne 8485* (GA). **Clinch Co.:** 4 Jul 1969, *R. Norris 1181* (VSC); 12 Jul 1969, *R. Norris 1195* (VSC); 2 Aug 1969, *R. Norris 1303* (VSC); 4 Sep 1969, *R. Norris 1379* (VSC); 24 Oct 1997, *R. Carter 14077* (VSC). **Cook Co.:** 19 Jul 1965, *W. Faircloth 2398* (GA, VSC); 5 Oct 2001, *C. Rausch 65* (VSC); *C. Rausch 78* (VSC). **Dawson Co.:** 28 Sep 1941, *W. Duncan 4279B* (GA). **Decatur Co.:** 21 Jul 1947, *R. Thorne 5493* (GA); 23 Aug 1964, *R. Kral 22063* (VSC); 25 Aug 1982, *N. Coile 3053* (GA). **Dougherty Co.:** 10 Jul 1947, *R. Thorne 5327* (GA); 1 Nov 2010, *R. Carter 20132* (VSC). **Early Co.:** 16 Sep 2000, *R. Kral 90349* (VSC); 19 Jul 2007, *R. Carter 17767* (VSC). **Echols Co.:** 9 Jul 1965, *W. Faircloth 2098* (GA). **Evans Co.:** 21 Aug 1940, *W. Duncan 2747* (GA-2). **Fulton Co.:** 6 Nov 2007, *W. Zomlefer 2079* (GA). **Glascock Co.:** 22 Jul 2017, *P. Lowe 34* (VSC); *P. Lowe 40* (VSC). **Glynn Co.:** 26 Aug 1988, *R. Carter 7429* (GA); *R. Carter 7429a* (VSC). **Grady Co.:** 7 Jul 1948, *A. Cronquist 5479* (GA); 7 Oct 1992, *L. Anderson 14053* (GA); 15 Aug 2003, *R. Kral 94369* (VSC). **Harris Co.:** 26 Aug 1971, *S. Jones 21441* (GA); 12 Aug 1999, *Sweeney 660* (GA-2); 8 Sep 1999, *Sweeney 682* (GA). **Houston Co.:** 9 Aug 1987, *R. Carter 6052* (GA, VSC); 25 Aug 1994, *R. Kral 84132* (GA, VSC). **Irwin Co.:** 26 Aug 1964, *R. Kral 22167* (VSC). **Jackson Co.:** 15 Oct 1936, *J. Pyron 1078* (GA). **Jasper Co.:** 7 Sep 2012, *S. Sewell 774* (GA, VSC). **Lanier Co.:** 18 Jul 1966, *W. Faircloth 3538* (GA, VSC); 4 Aug 1986, *Anonymous s.n.* (GA); 14 Jul 1988, *R. Carter 7031* (GA, VSC); 23 Jul 1992, *R. Carter 10249* (VSC). **Lee Co.:** 21 Aug 1948, *R. Thorne 8305* (GA). **Liberty Co.:** 8 Aug 1988, *R. Carter 7257* (VSC); 15 Jul 1992, *R. Carter 10159* (GA, VSC). **Long Co.:** 4 Aug 1992, *Unknown 1632* (GAS). **Long Co.:** 6 Oct 1962, *J. Bozeman 1747* (GA); 4 Aug 1992, *M. Moore 1632* (GA, VSC). **Lowndes Co.:** 21 Aug 1967, *W. Faircloth 4711* (GA, VSC); 10 Sep 1967, *R. Norris 967* (VSC); 6 Sep 1968, *R. Norris 1099* (VSC); 23 Aug 1987, *R. Carter 6160* (VSC); *R. Carter 6177* (GA, VSC); *R. Carter 6188* (GA, VSC); 18 Sep 1991, *R. Carter 9156* (GA, VSC); 20 Aug 1994, *J. Lusk 163* (VSC). **Lumpkin Co.:** 2 Oct 1955, *W. Duncan 19781* (GA); 25 Aug 2001, *L. Kruse 01-674* (GA). **Macon Co.:** 17 Sep 2013, *W. Zomlefer 3278* (GA). **McIntosh Co.:** 25 Jul 1956, *W. Duncan 20356* (GAS); 20 Sep 1956, *W. Duncan 20581* (GAS); 8 Jul 1962, *J. Bozeman 965* (GAS). **McIntosh Co.:** 25 Jul 1956, *W. Duncan 20356* (GA, VSC); 20 Sep 1956, *W. Duncan 20581* (GA, VSC); 5 Nov 1960, *W. Harmer 1193* (GA); 15 Aug 1963, *R. Kral 18727* (VSC); 4 Oct 1982, *J. Angerman s.n.* (VSC); 21 Sep 1991, *R. Carter 9283* (VSC). **Miller Co.:** 27 Aug 1947, *R. Thorne 6373* (GA). **Mitchell Co.:** 28 Sep 1991, *R. Carter 9355* (VSC). **Montgomery Co.:** 10 Aug 2017, *P. Lowe 59* (VSC). **Morgan Co.:** 12 Aug 1979, *J. Hill 1068* (GA). **Murray Co.:** 9 Sep 1973, *R. Kral 51530* (VSC). **Muscogee Co.:** 31 Aug 1980, *J. Manhart 118* (GA). **Oconee Co.:** 7 Sep 1931, *L. Williams 32* (GA). **Oglethorpe Co.:** 16 Oct 1965, *F. Montgomery 249A* (GA). **Paulding Co.:** 13 Sep 1991, *R. Carter 9110* (VSC). **Pickens Co.:** 14 Sep 1991, *R. Carter 9142* (VSC). **Rabun Co.:** 5 Sep 1911, *J. Reade s.n.* (GA). **Richmond Co.:** 28 Aug 1991, *M. Moore 1323* (GA, VSC). **Rockdale Co.:** 18 Oct 1936, *J. Pyron 1099* (GA). **Seminole Co.:** 26 Oct 1963, *R. Godfrey 63203* (VSC); 5 Sep 1979, *S. Jones 23616* (GA); 7 Oct 1985, *S. Sherman 398* (GA); 5 Sep 1990, *M. Moore 1121* (GA). **Stephens Co.:** 27 Oct 1979, *J. Allison 998* (GA). **Sumter Co.:** 5 Aug 1953, *W. Duncan 17154* (GA). **Thomas Co.:** 28 Sep 1991, *R. Carter 9322* (VSC); 14 Oct 2010, *L. Anderson 25273* (GA). **Tift Co.:** 1 Sep 2008, *R. Carter 18506* (GAS). **Turner Co.:** 30 Aug 1992, *R. Norris 6501* (GA). **Upson Co.:** 17 Oct 1987, *J. Allison 3012* (GA); 10 Jul 1988, *R. Carter 6984* (GA, VSC); 9 Sep 2007, *R. Carter 18053* (VSC). **Ware Co.:** 8 Aug 1988, *R. Carter 7305* (GA, VSC); 7 Jun 2011, *R. Carter 20266* (GA); 7 Jul 2011, (VSC). **Wayne Co.:** 30 Aug 1963, *R. Kral 19257* (VSC). **Worth Co.:** 25 Aug 1964, *R. Kral 22129* (VSC); 10 Jul 1966, *R. Kral 27136* (VSC); 9 Sep 1973, *R. Kral 51548* (VSC).

Fimbristylis brevivaginata

NORTH AMERICA. UNITED STATES GEORGIA. **Gwinnett Co.:** 3 Nov 1983, *J. Allison 1927* (GA). **Hancock Co.:** 24 Sep 1986, *J. Allison 2788* (GA). **Rockdale Co.:** 14 May 1948, *A. Cronquist 5184* (GA); *A. Cronquist 5185* (GA). **Walton Co.:** 4 Jul 1984, *J. Allison 2340* (GA).

Fimbristylis caroliniana

NORTH AMERICA. UNITED STATES GEORGIA. **Baker Co.:** 18 Jun 1996, *R. Kral 86078* (VSC); 21 Aug 2009, *R. Carter 19443* (GA, VSC). **Camden Co.:** 25 Nov 1996, *J. Sharpe 479* (GA); 16 Jun 2004, *D. Giannasi 970* (GA); *D. Giannasi 983* (GA); 26 Jun 2006, *W. Zomlefer 1031* (GA). **Chatham Co.:** 3 Aug 1958, *M. Mellinger 890* (GAS). **Chatham Co.:** 5 Aug 1958, *W. Duncan 21403* (GA); 23 Jul 1976, *W. Duncan 29967* (GA). **Coffee Co.:** 18 Aug 1969, *R. Norris 1332* (VSC). **Glynn Co.:** 3 Sep 1948, *R. Thorne 8866* (GA); 10 Oct 1979, *J. Angerman s.n.* (GA); 4 Jul 1988, *R. Carter 6951* (VSC); 2 Oct 1999, *J. Moore 222* (GA); 20 Oct 2001, *K. Francl 397* (GA); *M. Waters 397* (VSC); 21 Sep 2003, *T. Thom 189* (GA). **Liberty Co.:** 11 Jun 1984, *S. Jones 24117* (GA); 15 Nov 1986, *N. Coile 4720* (GA). **McIntosh Co.:** 13 Aug 1956, *W. Duncan 20467* (GAS). **McIntosh Co.:** 23 Jun 1954, *W. Duncan 17967* (GA); 4 Aug 1955, *W. Duncan 19322* (GA); 23 Jul 1956, *W. Duncan 20339* (VSC); 13 Aug 1956, *W. Duncan 20467* (GA, VSC). **Tift Co.:** 13 May 1970, *W. Faircloth 6701* (VSC). **Turner Co.:** *W. Faircloth 6685* (VSC).

Fimbristylis castanea

NORTH AMERICA. UNITED STATES GEORGIA. **Camden Co.:** 3 Nov 1972, *J. Worthington 114* (GA); 26 Aug 1990, *G. Krakow 979* (GA); 8 Jul 1996, *R. Carter 13131* (VSC); 17 Jun 2004, *D. Giannasi 991* (GA). **Chatham Co.:** 3 Aug 1958, *M. Mellinger 889* (GAS); 5 Aug 1958, *W. Duncan 21385* (GAS-2); 19 Aug 1959, *S. Monk 1036* (GAS); 21 Jul 1965, *Fordham s.n.* (GAS). **Chatham Co.:** 3 Aug 1958, *M. Mellinger s.n.* (GA); 5 Aug 1958, *W. Duncan 21385* (GA); 23 Jul 1976, *W. Duncan 29967* (GA); 27 Oct 1992, *M. Moore 1787* (GA). **Glynn Co.:** 28 Nov 1935, *J. Pyron 241* (GA); 5 Sep 1946, *R. Thorne 2172* (GA); 17 Jun 1948, *A. Cronquist 5353* (GA); 2 Sep 1948, *R. Thorne 8831* (GA); 21 Aug 1950, *W. Duncan 11853* (GA); 22 Sep 1978, *W. Duncan 30506A* (GA); 11 Sep 1982, *W. Duncan 30737* (GA); 21 Sep 1991, *R. Carter 9259* (GA, VSC); 20 Oct 2001, *K. Francl 423* (GA). **Liberty Co.:** 19 Nov 1983, *N. Coile 3858* (GA); 12 Jun 1984, *S. Jones 24160* (GA). **McIntosh Co.:** 3 Jun 1963, *J. Bozeman 2857* (GAS). **McIntosh Co.:** 7 May

1954, *W. Duncan 17870* (GA); 25 Jun 1954, *W. Duncan 18046* (GA); 14 Jun 1956, *W. Duncan 20130* (GA, VSC); 20 Nov 1959, *W. Harmer 990* (GA); 27 Jul 1963, *W. Faircloth 471* (VSC); 15 Aug 1963, *R. Kral 18741* (VSC); 30 Sep 2000, *B. Bergstrom s.n.* (VSC).

Fimbristylis decipiens

NORTH AMERICA. UNITED STATES GEORGIA. Chatham Co.: 6 Aug 1958, *W. Duncan 21434* (GAS). **Monroe Co.:** 11 Sep 1987, *C. Howel 733* (GA). **Tift Co.:** 1 Sep 2008, *R. Carter 18508* (GAS).

Fimbristylis dichotoma

NORTH AMERICA. UNITED STATES GEORGIA. Berrien Co.: 17 Aug 1953, *F. Sargent 6502* (GA). **Camden Co.:** 31 Aug 2006, *R. Carter 17173* (VSC). **Charlton Co.:** 11 Oct 1979, *R. Kral 64656* (VSC). **Chatham Co.:** 16 Jun 1958, *W. Duncan 21072* (GAS); *W. Duncan 21072* (GAS). **Chatham Co.:** 10 Jul 1979, *T. Tatum s.n.* (GA). **Clinch Co.:** 4 Sep 1969, *R. Norris 1381 & 1383* (VSC); 9 Jul 1991, *R. Carter 8846* (VSC). **Echols Co.:** *R. Carter 8808* (GA, VSC). **Glynn Co.:** 18 Jun 1992, *C. Nordman s.n.* (GA); 2 Oct 1999, *H. Holland 183* (GA); *J. Moore 183* (GA); *R. Liebermann 99-8600-183* (GA). **Grady Co.:** 2 Oct 2000, *R. Kral 90470* (VSC); 5 Sep 2001, *R. Kral 91810* (VSC). **Lanier Co.:** 23 Jul 1992, *R. Carter 10253* (VSC). **Liberty Co.:** 26 Aug 1992, *Unknown 1693* (GAS). **Liberty Co.:** *M. Moore 1693* (GA, VSC). **Lowndes Co.:** 16 Jun 1994, *C. Wilson 273* (GA); 16 Jul 1994, (VSC). **Paulding Co.:** 13 Sep 1991, *R. Carter 9109* (GA, VSC).

Fimbristylis littoralis

NORTH AMERICA. UNITED STATES GEORGIA. Bacon Co.: 17 Aug 1993, *R. Kral 83161* (GA). **Baker Co.:** 8 Sep 1995, *L. Anderson 15844* (GA). **Barrow Co.:** 15 Oct 1955, *W. Duncan 19875* (GA). **Bartow Co.:** 23 Jun 2010, *L. Chafin s.n.* (GA). **Chatham Co.:** 5 Aug 1992, *T. Zebryk 546* (GA). **Clarke Co.:** 20 Nov 2008, *G. Galau 0808-79* (GA). **Cook Co.:** 23 Sep 1967, *W. Faircloth 4893* (GA). **Decatur Co.:** 28 Aug 1982, *N. Coile 3157* (GA). **Grady Co.:** 7 Jul 1948, *A. Cronquist 5454* (GA). **Liberty Co.:** 15 Jul 1992, *R. Carter 10158* (GA). **McIntosh Co.:** 7 Oct 1962, *J. Bozeman 2285* (GAS). **McIntosh Co.:** (GA). **Miller Co.:** 27 Aug 1947, *R. Thorne 6409* (GA). **Morgan Co.:** 12 Aug 1979, *J. Hill 1069* (GA). **Oglethorpe Co.:** 3 Nov 1935, *J. Pyron 47* (GA); 25 Mar 1965, *F. Montgomery 231* (GA). **Seminole Co.:** 7 Sep 1955, *R. Thorne 17244* (GA); 8 Aug 1977, *A. Gholson 6494* (GA); 6 Oct 1987, *C. Howel 982* (GA). **Thomas Co.:** 7 Aug 1965, *W. Faircloth 2616* (GA).

Fimbristylis miliacea

NORTH AMERICA. UNITED STATES GEORGIA. Atkinson Co.: 13 Sep 1969, *R. Norris 1434* (VSC). **Bacon Co.:** 17 Aug 1993, *R. Kral 83161* (VSC). **Camden Co.:** 12 Aug 1963, *R. Kral 18627B* (VSC); 14 Oct 2007, *R. Carter 18199* (VSC). **Charlton Co.:** 11 Oct 1979, *R. Kral 64658* (VSC). **Chatham Co.:** 24 Oct 1960, *M. Mellinger 1998* (GAS); 5 Aug 1992, *Unknown 546* (GAS). **Chatham Co.:** 21 Aug 1963, *R. Kral 18936* (VSC); 21 Aug 1964, *R. Kral 18944* (VSC); 5 Aug 1992, *T. Zebryk 546* (VSC). **Coffee Co.:** 26 Aug 1964, *R. Kral 22245* (VSC); 18 Aug 1969, *R. Norris 1325* (VSC). **Cook Co.:** 23 Sep 1967, *W. Faircloth 4893* (VSC). **Gordon Co.:** 1 Dec 2010, *D. McWhorter s.n.* (VSC). **Grady Co.:** 10 Oct 2002, *R. Kral 93381* (VSC). **Irwin Co.:** 25 Aug 1964, *R. Kral 22153* (VSC); 26 Aug 1964, *R. Kral 22168* (VSC). **Liberty Co.:** 15 Jul 1992, *R. Carter 10158* (VSC). **McIntosh Co.:** 14 Aug 1963, *R. Kral 18660* (VSC). **Montgomery Co.:** 10 Aug 2017, *P. Lowe 63* (VSC). **Richmond Co.:** 5 Aug 1974, *R. Ivey 2984* (GAS-2). **Screven Co.:** 31 Aug 1964, *R. Kral 22378* (VSC). **Thomas Co.:** 2 Aug 1965, *W. Faircloth 2616* (VSC); 28 Sep 1991, *R. Carter 9333* (VSC). **Turner Co.:** 26 Aug 1964, *R. Kral 22164* (VSC). **Upson Co.:** 9 Sep 2007, *R. Carter 18054* (VSC). **Ware Co.:** 30 Aug 1963, *R. Kral 19227* (VSC). **Worth Co.:** 25 Aug 1964, *R. Kral 22128* (VSC).

Fimbristylis perpusilla

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 11 Aug 1986, *A. Gholson 11704* (GA); 14 Aug 1986, *A. Gholson 11714* (GA); *R. Godfrey 82064* (GA-2); *R. Norris 5156* (GA); 9 Sep 1986, *A. Gholson 11741* (GA); 1 Oct 1986, *R. Godfrey 82165* (GA); 9 Sep 1990, *R. Godfrey 83978* (GA); 1 Sep 1995, *L. Anderson 15819* (GA); Sensitive Data, *R. Godfrey 82064* (VSC). **Seminole Co.:** 16 Jul 1977, *R. Godfrey 75966* (GAS). **Seminole Co.:** 1 Aug 1971, *R. Kral 43421* (GA, VSC); 2 Aug 1971, *R. Kral 43422* (VSC); 16 Jul 1977, *R. Godfrey 75966* (GA); 6 Aug 1977, *H. McIntyre s.n.* (VSC); 12 Aug 1977, *A. Gholson 6518* (GA).

Fimbristylis puberula

NORTH AMERICA. UNITED STATES GEORGIA. Atkinson Co.: 14 Jul 1994, *R. Kral 83757* (GA). **Baker Co.:** 21 Jun 1947, *R. Thorne 4829* (GA); 9 Jul 1966, *R. Kral 27066* (VSC); 30 May 1992, *R. Kral 80792* (GA). **Berrien Co.:** 26 Oct 1968, *W. Faircloth 5658* (GA, VSC). **Brooks Co.:** 8 Jul 1966, *W. Faircloth 3335* (GA, VSC). **Bulloch Co.:** 5 Jul 1936, *J. Pyron 649* (GA). **Calhoun Co.:** 14 Jun 1947, *R. Thorne 4702* (GA); 10 Jul 1966, *R. Kral 27144* (VSC). **Catoosa Co.:** 19 Apr 1951, *W. Duncan 12466* (GA); 19 May 1951, *W. Duncan 12429* (GA); 5 Jun 1991, *J. Allison 5326* (GA). **Chatham Co.:** 3 Aug 1958, *M. Mellinger 2226* (GAS). **Chatham Co.:** 16 Jun 1958, *W. Duncan 21072* (GA). **Coffee Co.:** 10 Jul 1966, *R. Kral 27114* (VSC). **Colquitt Co.:** 26 May 1992, *R. Kral 80592* (GA); 25 Jul 2007, *R. Carter 17800* (VSC). **Cook Co.:** 1 Jul 1966, *W. Faircloth 3241* (VSC). **Dodge Co.:** 5 Jun 1980, *R. Kral 65366* (GA). **Dougherty Co.:** 28 Jun 1947, *R. Thorne 5020* (GA); 7 Aug 2007, *R. Carter 17909* (VSC). **Early Co.:** 18 Aug 1999, *R. Kral 88688* (VSC). **Emanuel Co.:** 12 Aug 1995, *R. Kral 85489* (VSC). **Evans Co.:** 11 Jul 1966, *R. Kral 27166* (VSC). **Glynn Co.:** 20 Jul 1969, *R. Norris 1233* (VSC);

R. Norris 1242 (VSC). **Jeff Davis Co.:** 28 Jun 1985, *R. Carter 4212* (VSC). **Lanier Co.:** 18 Jul 1966, *W. Faircloth 3544* (GA, VSC). **Long Co.:** 5 May 1992, *Unknown 218* (GAS). **Long Co.:** *T. Zebryk 218* (GA, VSC). **Lowndes Co.:** 26 Aug 1965, *W. Faircloth 2894* (GA, VSC); 7 May 1970, *W. Faircloth 6664* (VSC). **Miller Co.:** 14 May 1947, *R. Thorne 3920* (GA); 16 Aug 2007, *R. Carter 17991* (VSC). **Thomas Co.:** 9 Apr 2011, *R. Carter 20223* (GA); 9 May 2011, (VSC); 1 Jun 2013, *R. Carter 20972* (VSC). **Tift Co.:** 13 May 1970, *W. Faircloth 6701* (GA). **Turner Co.:** *W. Faircloth 6685* (GA). **Ware Co.:** 21 Jul 1937, *A. McKellar s.n.* (GA). **Washington Co.:** 10 Jun 1938, *J. Pyron 3039* (GA). **Wayne Co.:** 24 Jun 1941, *W. Duncan 3757B* (GA). **Worth Co.:** 29 May 1992, *R. Kral 80773* (GA).

Fimbristylis schoenoides

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 1 Sep 2006, *R. Carter 17194* (VSC); 15 Oct 2007, *R. Carter 18245* (VSC). **Charlton Co.:** 23 Aug 1994, *B. Sorrie 8144* (GA); 24 Oct 1997, *R. Carter 14088* (GA, VSC). **Echols Co.:** 3 Sep 1985, *R. Carter 4443* (GA, VSC); 9 Jul 1991, *R. Carter 8818* (VSC). **Glynn Co.:** 21 Sep 1991, *R. Carter 9251* (GA, VSC). **Miller Co.:** 18 Jun 1947, *R. Thorne 5411* (GA).

Fimbristylis tomentosa

NORTH AMERICA. UNITED STATES GEORGIA. Brooks Co.: 5 Aug 1989, *R. Carter 8009* (GA, VSC). **Coffee Co.:** 18 Aug 1969, *R. Norris 1332* (VSC). **Decatur Co.:** 28 Aug 1982, *N. Coile 3157A* (GA). **Liberty Co.:** 18 Aug 1992, *Unknown 563* (GAS). **Liberty Co.:** 13 Aug 1992, *R. Carter 10359* (GA, VSC); 18 Aug 1992, *T. Zebryk 563* (GA, VSC). **Meriwether Co.:** 13 Sep 1990, *J. Allison 4784* (GA). **Miller Co.:** 4 Sep 1947, *R. Kral 6510* (VSC). **Seminole Co.:** 5 Sep 1979, *S. Jones 23615* (GA). **Thomas Co.:** 28 Sep 1991, *R. Carter 9334* (VSC). **Turner Co.:** 30 Aug 1992, *R. Norris 6496* (GA).

Fimbristylis vahlii

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 11 Aug 1986, *A. Gholson 11705* (GA); 14 Aug 1986, *A. Gholson 11715* (GA). **Calhoun Co.:** 23 May 1990, *J. Allison 4476* (GA); 31 Aug 1990, *J. Allison 4729* (GA). **Dougherty Co.:** 28 Jul 2009, *R. Carter 19155* (GAS). **Dougherty Co.:** 3 Aug 2001, *R. Kral 91706* (VSC); 7 Aug 2007, *R. Carter 17940* (VSC); 1 Nov 2010, *R. Carter 20125* (VSC); *R. Carter 20126* (GA, VSC). **Jeff Davis Co.:** 6 Oct 2001, *H. Holland 700* (GA). **Long Co.:** 6 Oct 1962, *J. Bozeman 1748* (GAS). **Long Co.:** (GA). **Mitchell Co.:** 5 Aug 2002, *R. Kral 92999* (VSC). **Seminole Co.:** 12 Aug 1962, *R. Kral 15485* (VSC); 26 Oct 1963, *R. Godfrey 63205* (VSC); 16 Jul 1977, *A. Gholson 6455* (GA); *R. Godfrey 75959* (GA); 18 Aug 1993, *R. Kral 83194* (GA, VSC). **Sumter Co.:** 7 Oct 1990, *R. Norris 6233* (GA). **Wayne Co.:** 15 Jul 1993, *K. Tassin s.n.* (GA).

Fuirena breviseta

NORTH AMERICA. UNITED STATES GEORGIA. Appling Co.: 17 Aug 1993, *R. Kral 83135* (GA). **Atkinson Co.:** 19 Aug 1950, *W. Duncan 11793* (GA, VSC). **Bacon Co.:** 18 Aug 1988, *R. Carter 7390* (GA, VSC). **Baker Co.:** 9 Aug 1946, *R. Thorne 1835* (GA); 28 Jul 1995, *L. Anderson 15774* (GA); 15 Aug 2000, *R. Kral 90128* (VSC). **Ben Hill Co.:** 29 Jul 1994, *R. Kral 83975* (GA). **Brantley Co.:** 21 Sep 1991, *R. Carter 9186* (VSC). **Brooks Co.:** 20 Sep 1940, *W. Duncan 2981* (GA); 6 Sep 1967, *W. Faircloth 4817* (GA). **Bulloch Co.:** 23 Oct 1964, *D. Hall 124* (GAS-2); 26 Oct 1964, *P. Hooper s.n.* (GAS-2); 2 Nov 1964, *R. O'Steen 139* (GAS); 23 Jun 1965, *C. Roach s.n.* (GAS); *Fordham 36* (GAS); *J. Nutting 69* (GAS); *W. Tanner 60* (GAS). **Bulloch Co.:** 15 Jun 1962, *T. Pullen 599* (GA). **Burke Co.:** 5 Jul 1936, *J. Pyron 619* (GA). **Calhoun Co.:** 10 Jun 1947, *R. Thorne 4566* (GA); 6 Aug 2009, *R. Carter 19310* (VSC); 6 Aug 2010, (GA). **Camden Co.:** 22 Aug 1962, *J. Blake s.n.* (GA); 30 Aug 1996, *R. Carter 13635* (VSC). **Candler Co.:** 12 Oct 1968, *J. Peabody 46* (GAS); *P. Sheahan 107* (GAS). **Charlton Co.:** 17 Oct 1979, *J. Loew 1327* (GA-2); 11 Oct 1991, *R. Kral 79926* (VSC). **Chatham Co.:** 12 Jul 1958, *W. Duncan 21259* (GAS); 5 Aug 1958, *W. Duncan 21424* (GAS); 28 Sep 1960, *M. Mellinger 1881* (GAS); 1 Oct 1960, *E. Mellinger 1815* (GAS). **Chatham Co.:** 5 Aug 1958, *W. Duncan 21424* (GA). **Coffee Co.:** 17 Oct 1970, *W. Faircloth 6925* (GA). **Cook Co.:** 23 Sep 1967, *W. Faircloth 4869* (GAS). **Cook Co.:** 9 Oct 1999, *T. Howard 32* (VSC). **Dooley Co.:** 31 Jul 1953, *W. Duncan 16820* (GA). **Dougherty Co.:** 3 Aug 2001, *R. Kral 91702* (VSC); *R. Kral 91721* (VSC). **Early Co.:** 7 Jul 1947, *R. Thorne 5182* (GA). **Echols Co.:** 9 Jul 1991, *R. Carter 8819* (GA-2, VSC). **Evans Co.:** 9 Jul 1992, *R. Carter 10108* (GA, VSC). **Grady Co.:** 3 Sep 1964, *W. Faircloth 1534* (GA). **Jenkins Co.:** 8 Aug 1936, *J. Pyron 927* (GA). **Lanier Co.:** 6 Aug 1994, *C. Wilson 332* (VSC); 27 Aug 1994, *J. Lusk 216* (VSC). **Liberty Co.:** 15 Sep 1992, *Unknown 1726* (GAS). **Liberty Co.:** *M. Moore 1726* (GA, VSC). **Long Co.:** 6 Oct 1962, *J. Bozeman 1905* (GAS); 24 Jun 1992, *Unknown 1574* (GAS). **Long Co.:** 2 Jun 1992, *T. Zebryk 324* (GA); 24 Jun 1992, *M. Moore 1574* (GA, VSC). **Macon Co.:** 22 Aug 1987, *R. Norris 5430* (GA). **McIntosh Co.:** 11 Aug 1956, *W. Duncan 20438* (GA, VSC); 21 Jun 1959, *W. Harmer 683* (GA); 8 Jul 1962, *J. Bozeman 969* (GA). **Seminole Co.:** 26 Aug 1982, *N. Coile 3142* (GA); 15 Sep 1999, *S. Bergamo 129* (GA). **Sumter Co.:** 31 Aug 1994, *R. Norris 6619* (GA). **Tattnall Co.:** 17 Oct 1959, *J. Boole 1015* (GAS); 25 Aug 1992, *Unknown 1680* (GAS). **Tattnall Co.:** *M. Moore 1680* (GA, VSC). **Thomas Co.:** 3 Jun 2002, *R. Kral 92680* (VSC). **Tift Co.:** 15 Sep 2009, *B. Sanderson 509* (VSC). **Toombs Co.:** 5 Jul 1962, *T. Pullen 679* (GA). **Ware Co.:** 27 Sep 1963, *E. Cypert 468* (GA); 8 Aug 1988, *R. Carter 7304* (GA, VSC). **Wilcox Co.:** 8 Oct 1952, *W. Duncan 14265* (GA).

Fuirena pumila

NORTH AMERICA. UNITED STATES GEORGIA. Atkinson Co.: 21 Jul 1969, *R. Norris 1247* (VSC). **Brooks Co.:** 23 Aug 1994, *R. Kral 84124* (GA); 6 Oct 2010, *R. Carter 20016* (GA, VSC). **Camden Co.:** 12 Sep 2004, *D. Giannasi 1121* (GA); 29 Sep 2006, *W. Zomlefer 1306* (GA). **Charlton Co.:** 11 Oct 1991, *R. Kral 79927* (VSC); 1 Oct 2004, *P. Hyatt 11779* (VSC). **Chatham Co.:** 15 Jul 1958, *M. Mellinger 1348* (GAS). **Clarke Co.:** 7 Jul 2010, *G.*

Galau s.n. (GA); 23 Jul 2013, *A. Martin* 28 (GA). **Glynn Co.:** 23 Sep 1978, *W. Duncan* 30514 (GA). **Grady Co.:** 5 Sep 2001, *R. Kral* 91792 (VSC). **Lanier Co.:** 27 Aug 1994, *J. Lusk* 230 (GA, VSC). **Liberty Co.:** 16 Jul 1992, *R. Carter* 10178 (GA, VSC); *R. Carter* 10192 (VSC). **Lowndes Co.:** 10 Jun 1967, *R. Norris* 856 (VSC); 23 Aug 1987, *R. Carter* 6189 (GA, VSC). **McIntosh Co.:** 5 Nov 1960, *W. Harmer* 1188 (GA); 14 Sep 1961, *W. Harmer* 1340 (GA); 21 Sep 1991, *R. Carter* 9284 (VSC). **Morgan Co.:** 7 Oct 1979, *J. Hill* 1292 (GA). **Screven Co.:** 13 Jul 1997, *B. Sorrie* 9354 (GA). **Seminole Co.:** 1 Sep 1955, *R. Thorne* 16749 (GA). **Tattnall Co.:** 25 Oct 1952, *W. Duncan* 14647 (GA). **Thomas Co.:** 14 Oct 2004, *R. Kral* 95752 (VSC).

Fuirena scirpoidea

NORTH AMERICA. UNITED STATES GEORGIA. **Camden Co.:** 28 Aug 1996, *R. Carter* 13597 (VSC). **Charlton Co.:** 27 Apr 1947, *W. Duncan* 7436 (GA); 11 Jul 1979, *S. Jones* 23352 (GA); 25 May 1999, *J. Nelson* 20467 (GA). **Lowndes Co.:** 20 Mar 1939, *W. Duncan* 1311 (GA). **Ware Co.:** 28 Jun 1963, *W. Duncan* 22073 (GA).

Fuirena squarrosa

NORTH AMERICA. UNITED STATES GEORGIA. **Baker Co.:** 21 Aug 2009, *R. Carter* 19448 (VSC). **Bartow Co.:** 12 Aug 1951, *W. Duncan* 12957 (GA). **Berrien Co.:** 29 Jun 1965, *W. Faircloth* 1940 (GA, VSC). **Brantley Co.:** 8 Aug 1988, *R. Carter* 7291 (GA, VSC). **Brooks Co.:** 20 Sep 1940, *W. Duncan* 2981 (GA); 6 Sep 1967, *W. Faircloth* 4817 (VSC). **Bulloch Co.:** 9 Oct 1964, *D. Hall* 191 (GAS-2); *J. Spooner* 74 (GAS); *P. Hooper* s.n. (GAS). **Camden Co.:** 15 Sep 1995, *R. Carter* 12764 (VSC); 16 Sep 1995, *R. Carter* 12795 (VSC). **Candler Co.:** 5 Jul 1936, *J. Pyron* 678 (GA). **Charlton Co.:** 17 Oct 1975, *W. Faircloth* 7910 (VSC); 11 Jul 1979, *S. Jones* 23335 (GA). **Clay Co.:** 28 Sep 1991, *R. Carter* 9388 (VSC). **Clinch Co.:** 4 Jul 1969, *R. Norris* 1177 (VSC). **Coffee Co.:** 17 Oct 1970, *W. Faircloth* 6925 (VSC). **Colquitt Co.:** 12 Jul 1966, *W. Faircloth* 3417 (GA, VSC); 3 Aug 1991, *S. Orzell* 17399 (GA); 20 Sep 2013, *R. Carter* 21376 (VSC). **Cook Co.:** 19 Jul 1965, *W. Faircloth* 2407 (VSC); 24 Aug 1966, *W. Faircloth* 4043 (GA, VSC); 23 Sep 1967, *W. Faircloth* 4869 (VSC); 22 Oct 1970, *T. Thigpen* 199 (VSC). **Decatur Co.:** 15 Oct 2013, *R. Carter* 21455b (VSC). **Dougherty Co.:** 3 Aug 2001, *R. Kral* 91692 (VSC). **Echols Co.:** 6 Sep 1967, *W. Faircloth* 4802 (GA, VSC). **Effingham Co.:** 9 Sep 2014, *W. Zomlefer* 3804 (GA). **Elbert Co.:** 26 Jul 1950, *W. Duncan* 11510 (GA). **Emanuel Co.:** 6 Oct 1962, *T. Pullen* 920 (GA); 19 Oct 1969, *W. Faircloth* 6309 (VSC); 22 Aug 1984, *S. Jones* 23820 (GA). **Glynn Co.:** 26 Aug 1988, *R. Carter* 7428 (GA, VSC). **Grady Co.:** 27 Aug 1963, *W. Faircloth* 530 (VSC); 3 Sep 1964, *W. Faircloth* 1534 (VSC); 5 Sep 2001, *R. Kral* 91793 (VSC). **Gwinnett Co.:** 20 Jun 1980, *J. Allison* 1499 (GA). **Hancock Co.:** 8 Jul 1978, *J. Allison* 70 (GA). **Harris Co.:** 24 Aug 1971, *S. Jones* 21299 (GA); 19 Oct 1998, *D. Giannasi* 1998-64 (GA). **Irwin Co.:** 16 Sep 2003, *R. Kral* 94476 (VSC). **Jeff Davis Co.:** 11 Sep 2013, *R. Carter* 21352 (VSC). **Jones Co.:** 26 Aug 1996, *T. Govus* 796 (GA). **Lamar Co.:** 23 Jul 1987, *J. Allison* 2902 (GA). **Lanier Co.:** 18 Jun 2011, *B. Sanderson* 713 (VSC). **Laurens Co.:** 19 Oct 1947, *A. Cronquist* 4884 (GA). **Lee Co.:** 6 Jun 2006, *R. Kral* 97471 (VSC). **Macon Co.:** 22 Sep 1996, *R. Norris* 6760 (GA); 17 Sep 2013, *W. Zomlefer* 3265 (GA). **Marion Co.:** 9 Sep 1990, *S. Orzell* 15095 (GA); 13 Aug 1995, *R. Kral* 85551 (GA). **McIntosh Co.:** 22 Aug 1953, *W. Duncan* 17215 (GA); 11 Aug 1956, *W. Duncan* 20483 (GAS). **Montgomery Co.:** 10 Aug 2017, *P. Lowe* 62 (VSC). **Oglethorpe Co.:** 23 Sep 1967, *F. Montgomery* 920 (GA). **Randolph Co.:** 19 Aug 1948, *R. Thorne* 8172 (GA). **Richmond Co.:** 28 Aug 1991, *M. Moore* 1320 (GA, VSC); 13 Aug 1992, *M. Moore* 1656 (GA). **Rockdale Co.:** 10 Aug 1946, *McDowell* 174 (GA). **Spalding Co.:** 23 Jun 1899, *M. Riegel* s.n. (GA). **Tattnall Co.:** 6 Oct 1992, *Unknown* 1752 (GAS). **Tattnall Co.:** *M. Moore* 1752 (GA, VSC). **Taylor Co.:** 8 Sep 1990, *S. Orzell* 15012 (GA). **Tift Co.:** 31 Jul 1962, *T. Pullen* 782 (GA). **Walton Co.:** 8 Nov 1983, *J. Allison* 1951 (GA). **Wilcox Co.:** 8 Oct 1952, *W. Duncan* 14265 (GA). **Worth Co.:** 17 Aug 1966, *W. Faircloth* 3863 (GA, VSC).

Isolepis carinata

NORTH AMERICA. UNITED STATES GEORGIA. **Barrow Co.:** 30 Apr 1984, *J. Allison* 2091 (GA). **Bartow Co.:** 5 May 1951, *W. Duncan* 12301 (GA). **Carroll Co.:** 16 May 1984, *J. Allison* 2185 (GA). **Columbia Co.:** 23 May 1937, *J. Pyron* 1674 (GA); 10 Apr 1938, *J. Pyron* 2527 (GA). **DeKalb Co.:** 19 May 1984, *J. Allison* 2138 (GA). **Elbert Co.:** 17 Apr 1986, *J. Allison* 2635 (GA). **Greene Co.:** 30 Apr 1984, *J. Allison* 2088 (GA-2). **Gwinnett Co.:** 31 May 1984, *J. Allison* 2287 (GA, VSC). **Harris Co.:** 18 May 1971, *S. Jones* 20811 (GA). **Heard Co.:** 17 May 1984, *J. Allison* 2201 (GA). **Jasper Co.:** 17 May 2013, *S. Sewell* 1455 (GA). **Lanier Co.:** 14 Apr 2006, *T. Murphy* s.n. (VSC); 21 Apr 2006, *Carter* 16494 (VSC). **Lowndes Co.:** 7 Apr 1993, *R. Carter* 10644 (VSC). **Macon Co.:** 4 May 2013, *W. Zomlefer* 3002 (GA). **Muscogee Co.:** 31 Mar 1985, *J. Allison* 2419 (GA). **Newton Co.:** 15 Jun 1984, *J. Allison* 2316 (GA). **Oglethorpe Co.:** 4 Apr 1938, *J. Pyron* 2445 (GA); 26 Apr 1952, *W. Duncan* 13459 (GA). **Pike Co.:** 19 May 1984, *J. Allison* 2247 (GA). **Putnam Co.:** 12 May 1984, *J. Allison* 2148 (GA). **Rockdale Co.:** 10 May 1980, *J. Allison* 1455 (GA); 3 May 1984, *J. Allison* 2103 (GA). **Sumter Co.:** 19 May 1996, *R. Norris* 6668 (GA); //, *R. Norris* s.n. (GA). **Upson Co.:** 12 Apr 1985, *J. Allison* 2435 (GA). **Walton Co.:** 10 May 1980, *J. Allison* 1459 (GA). **Wilcox Co.:** 22 Apr 1989, *W. George* s.n. (GA, VSC). **Wilkes Co.:** 28 Apr 1985, *J. Allison* 2482 (GA).

Isolepis pseudosetacea

NORTH AMERICA. UNITED STATES GEORGIA. **Hancock Co.:** 11 May 1952, *W. Duncan* 13535 (GA, VSC); 26 May 1984, *J. Allison* 2279 (GA-2). **Jeff Davis Co.:** 23 Apr 1988, *R. Carter* 6489 (VSC). **Meriwether Co.:** 17 May 1984, *J. Allison* 2221 (GA).

Kyllinga brevifolia

NORTH AMERICA. UNITED STATES GEORGIA. Atkinson Co.: 20 Jul 2017, *P. Lowe* 4 (VSC). Camden Co.: 11 Oct 1996, *R. Carter* 13876 (VSC). Chatham Co.: 4 Jul 1958, *M. Mellinger* 759B (GAS). Decatur Co.: 10 Jul 1947, *R. Thorne* 5264 (GA). Fulton Co.: 6 Nov 2007, *W. Zomlefer* 2077 (GA). Glynn Co.: 11 Sep 1974, *W. Duncan* 29112 (GA); 26 Feb 1988, *R. Carter* 7432 (VSC); 21 Sep 1991, *R. Carter* 9248 (GA-2, VSC-2); 2 Oct 1999, *S. Bergamo* 174 (GA). Irwin Co.: 22 Apr 1962, *T. Pullen* 240 (GA). Jenkins Co.: 25 Oct 1985, *L. Chafin* 161 (GA). Lanier Co.: 28 Aug 1994, *J. Lusk* 258 (VSC). Laurens Co.: 20 Jul 2017, *P. Lowe* 22 (VSC). Liberty Co.: 16 Jul 1992, *R. Carter* 10193 (GA, VSC). Lowndes Co.: 23 Aug 1987, *R. Carter* 6192 (VSC); 22 Jun 1994, *C. Wilson* 318 (GA); 22 Jul 1994, (VSC). Macon Co.: 17 Sep 2013, *W. Zomlefer* 3274 (GA). McIntosh Co.: 16 Jul 1956, *W. Duncan* 20291 (GA, VSC); 25 Oct 1959, *W. Harmer* 973 (GA); 21 Sep 1991, *R. Carter* 9281 (VSC). Mitchell Co.: 28 Sep 1991, *R. Carter* 9342 (GA, VSC). Telfair Co.: 20 Jul 2017, *P. Lowe* 12 (VSC). Ware Co.: 18 Aug 1988, *R. Carter* 7331 (GA, VSC). Wheeler Co.: 20 Jul 2017, *P. Lowe* 22 (VSC).

Kyllinga gracillima

NORTH AMERICA. UNITED STATES GEORGIA. Gilmer Co.: 14 Sep 1991, *R. Carter* 9145 (GA-2, VSC). Glynn Co.: 2 Oct 1999, *Anonymous* s.n. (GA). Gordon Co.: 13 Sep 1991, *R. Carter* 9128 (GA-2, VSC). Pickens Co.: 14 Sep 1991, *R. Carter* 9135 (GA-2, VSC). Towns Co.: 2 Aug 1991, *J. Allison* 5555 (GA, VSC).

Kyllinga odorata

NORTH AMERICA. UNITED STATES GEORGIA. Atkinson Co.: 20 Jul 2017, *P. Lowe* 1 (VSC). Baker Co.: 16 Aug 1996, *K. Kirkman* 3492 (GA). Baldwin Co.: 20 Jul 2017, *P. Lowe* 27 (VSC). Bibb Co.: 9 Jun 1991, *J. Payne* s.n. (GA). Brooks Co.: 15 Sep 1969, *W. Faircloth* 6154 (VSC); 5 Aug 1989, *R. Carter* 8016 (VSC). Camden Co.: 11 Oct 1996, *R. Carter* 13875 (VSC). Chatham Co.: 10 Oct 1959, *M. Mellinger* s.n. (GAS). Chatham Co.: 4 Jul 1958, (GA); 16 Jul 1958, *W. Duncan* 21341 (GA); 31 Jul 1958, *M. Mellinger* s.n. (GA); 6 Jun 1979, *T. Tatum* s.n. (GA); 24 May 2012, *W. Zomlefer* 2674 (GA). Clarke Co.: 29 Sep 1979, *W. Duncan* 30657 (GA); 11 Jul 2010, *E. Osburn* 59 (GA). Clinch Co.: 4 Sep 1969, *R. Norris* 1397 (VSC); 9 Jul 1991, *R. Carter* 8839 (VSC). Coffee Co.: 20 Jul 2017, *P. Lowe* 9 (VSC). Columbia Co.: 13 Aug 2006, *M. Morris* s.n. (VSC). Echols Co.: 18 Sep 1969, *W. Faircloth* 6217 (GA, VSC); 9 Jul 1991, *R. Carter* 8807 (VSC). Glascock Co.: 22 Jul 2017, *P. Lowe* 51 (VSC). Glynn Co.: 22 Sep 1978, *W. Duncan* 30504 (GA); 21 Sep 1991, *R. Carter* 9240 (VSC); *R. Carter* 9249 (VSC). Grady Co.: 16 Aug 2003, *R. Kral* 94392 (VSC). Gwinnett Co.: 31 Jul 2003, *P. Hyatt* 11482 (VSC); *P. Hyatt* 11485 (VSC). Harris Co.: 15 Jul 1998, *Crook* 448 (GA); 17 Aug 1998, *Crook* 565 (GA). Lanier Co.: 18 Sep 1991, *R. Carter* 9162 (GA, VSC). Laurens Co.: 20 Jul 2017, *P. Lowe* 21 (VSC). Liberty Co.: 15 Jul 1992, *Unknown* 1612 (GAS). Liberty Co.: 13 Jun 1984, *S. Jones* 24208 (GA); 15 Jul 1992, *M. Moore* 1612 (GA, VSC); 16 Jul 1992, *R. Carter* 10187 (GA, VSC). Lowndes Co.: 31 Jul 1967, *W. Faircloth* 4589 (GA, VSC); 23 Aug 1987, *R. Carter* 6190 (GA, VSC); 20 Jul 1988, *R. Carter* 7104 (GA, VSC); 28 May 1994, *J. Lusk* 28 (VSC). Macon Co.: 8 Aug 2013, *W. Zomlefer* 3197 (GA). McIntosh Co.: 23 Aug 1992, *T. Zebryk* s.n. (GA). Meriwether Co.: 23 Aug 1971, *S. Jones* 21166 (GA). Montgomery Co.: 10 Aug 2017, *P. Lowe* 76 (VSC). Muscogee Co.: 23 Oct 1988, *J. Allison* 3680 (VSC). Paulding Co.: 13 Sep 1991, *R. Carter* 9119 (GA, VSC). Seminole Co.: 5 Aug 1989, *R. Carter* 8025 (VSC). Sumter Co.: 8 Jul 1997, *M. Owsley* 1612 (GA). Telfair Co.: 20 Jul 2017, *P. Lowe* 11 (VSC). Thomas Co.: 28 Sep 1991, *R. Carter* 9320 (VSC). Tift Co.: 16 Sep 1979, *N. Pencoe* 546 (GA); 2 Aug 2001, *C. Bryson* 19003 (VSC). Ware Co.: 18 Aug 1988, *R. Carter* 7332 (GA, VSC). Wheeler Co.: 20 Jul 2017, *P. Lowe* 19 (VSC). Wilkinson Co.: 20 Jul 2017, *P. Lowe* 25 (VSC).

Kyllinga pumila

NORTH AMERICA. UNITED STATES GEORGIA. Barrow Co.: 4 Oct 1936, *J. Pyron* 988 (GA). Ben Hill Co.: 19 Aug 1967, *W. Faircloth* 4608 (GA, VSC). Burke Co.: 5 Jul 1936, *J. Pyron* 616 (GA). Camden Co.: 6 Oct 1995, *R. Carter* 12886 (VSC). Catoosa Co.: 29 Sep 1951, *W. Duncan* 13303 (GA). Charlton Co.: 24 Oct 1997, *R. Carter* 14079 (GA, VSC). Chatham Co.: 18 Jun 1958, *W. Duncan* 21145 (GAS); 31 Jul 1958, *M. Mellinger* 2271 (GAS). Clarke Co.: 28 Sep 1946, *A. Cronquist* 4178 (GA). Cobb Co.: 13 Sep 1991, *R. Carter* 9105 (GA-2, VSC). Coffee Co.: 20 Jul 2017, *P. Lowe* 8 (VSC). Cook Co.: 23 Sep 1967, *W. Faircloth* 4895 (GA, VSC). Coweta Co.: 23 Jul 1967, *J. Griffin* s.n. (VSC). Dawson Co.: 30 Sep 1988, *L. Foote* s.n. (GA); 24 Jul 2001, *L. Kruse* 01-504 (GA). Decatur Co.: 12 Jun 1947, *R. Thorne* 4619 (GA). DeKalb Co.: 19 Sep 1995, *M. Moore* 2419 (GA). Dougherty Co.: 1 Nov 2010, *R. Carter* 20135 (GA, VSC). Elbert Co.: 1 Oct 1949, *W. Duncan* 10581 (GA). Fulton Co.: 6 Oct 1929, *B. Higgins* s.n. (GA). Gordon Co.: 13 Sep 1991, *R. Carter* 9127 (GA-2, VSC). Greene Co.: 20 Sep 1992, *J. Seward* 1629 (GA). Laurens Co.: 20 Jul 2017, *P. Lowe* 23 (VSC). Lee Co.: 21 Aug 1948, *R. Thorne* 8273 (GA). Liberty Co.: 18 Sep 1984, *S. Jones* 24572 (GA). Long Co.: 6 Oct 1962, *J. Bozeman* 1851 (GAS). Long Co.: 13 Jul 1962, *J. Bozeman* 1215 (GA). Lowndes Co.: 1 Oct 1991, *R. Carter* 9391 (VSC). Lumpkin Co.: 16 Aug 1997, *R. Carter* 14068 (VSC); 30 Aug 2002, *L. Kruse* 02-304 (GA). Macon Co.: 17 Sep 2013, *W. Zomlefer* 3276 (GA). Mitchell Co.: 28 Sep 1991, *R. Carter* 9357 (VSC). Montgomery Co.: 10 Aug 2017, *P. Lowe* 75 (VSC). Morgan Co.: 30 Aug 1970, *S. Jones* 20030 (GA); 19 Aug 1978, *J. Hill* 620 (GA). Oconee Co.: 20 Oct 1928, *J. Reade* s.n. (GA). Oglethorpe Co.: 3 Nov 1935, *J. Pyron* 49 (GA); 16 Oct 1965, *F. Montgomery* 250 (GA). Pickens Co.: 14 Sep 1991, *R. Carter* 9134 (GA-2, VSC). Rabun Co.: 15 Sep 1995, *M. Mellinger* 785 (GA); 16 Jul 1999, *B. Stiles* 1323 (GA). Screven Co.: 25 Oct 1952, *W. Duncan* 14681 (GA). Telfair Co.: 20 Jul 2017, *P. Lowe* 15 (VSC). Thomas Co.: 28 Sep 1991, *R. Carter* 9321 (VSC). Union Co.: 13 Sep 1940, *W. Duncan* 2941 (GA); 14 Sep 1991, *R. Carter* 9150 (GA, VSC). Upson Co.: 9 Sep 2007, *R. Carter* 18052 (VSC). Wheeler Co.: 20 Jul 2017, *P. Lowe* 18 (VSC). White Co.: 14 Sep 1991, *R. Carter* 9154 (GA-2, VSC).

Kyllinga squamulata

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 17 Nov 2007, *R. Carter 18306* (GAS). **Lowndes Co.:** 1 Nov 1998, *R. Carter 14207* (GA, VSC). **Spalding Co.:** 2 Sep 2011, *P. McCullough s.n.* (VSC).

Lipocarpha maculata

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 23 Jun 1947, *R. Thorne 4879* (GA); 13 Oct 1995, *L. Anderson 15962* (GA). **Brantley Co.:** 21 Sep 1991, *R. Carter 9232* (GA, VSC); 12 Oct 1996, *R. Carter 13925* (VSC). **Brooks Co.:** 15 Sep 1969, *W. Faircloth 6153* (GA, VSC). **Bulloch Co.:** 9 Oct 1964, *J. Spooner 140* (GAS); 23 Oct 1964, *J. Spooner 258* (GAS); *P. Hooper s.n.* (GAS); *R. O'Steen 138* (GAS). **Camden Co.:** 8 Sep 1963, *D. Blake s.n.* (GA); 15 Sep 1995, *R. Carter 12769* (VSC). **Charlton Co.:** 24 Oct 1997, *R. Carter 14087* (VSC); 1 Oct 2004, *P. Hyatt 11782* (VSC). **Chatham Co.:** 28 Sep 1960, *M. Mellinger 1856* (GAS). **Clinch Co.:** 9 Jul 1991, *R. Carter 8845* (VSC); 10 Jul 1991, *S. Jones 7280* (VSC). **Cook Co.:** 2 Jul 1965, *W. Faircloth 2018* (GA, VSC); 21 Sep 1965, *W. Faircloth 2993* (VSC). **Decatur Co.:** 25 Oct 1997, *L. Anderson 18235* (GA). **Echols Co.:** 21 Oct 1967, *W. Faircloth 4974* (GA, VSC). **Grady Co.:** 24 Oct 2001, *R. Kral 92072* (VSC). **Lanier Co.:** 20 Aug 1994, *J. Lusk 173* (GA, VSC). **Lowndes Co.:** 23 Aug 1987, *R. Carter 6176* (GA, VSC); *R. Carter 6187* (GA, VSC). **Macon Co.:** 17 Sep 2013, *W. Zomlefer 3280* (GA). **McIntosh Co.:** 5 Nov 1960, *W. Harmer 1186* (GA); 14 Oct 1961, *W. Harmer 1402* (GA); 7 Oct 1962, *J. Bozeman 2313* (GA, GAS). **Miller Co.:** 18 Jul 1947, *R. Thorne 5420* (GA). **Montgomery Co.:** 10 Aug 2017, *P. Lowe 64* (VSC). **Sumter Co.:** 31 Aug 1994, *R. Norris 6618* (GA). **Tattnall Co.:** 6 Aug 1992, *R. Carter 10303* (GAS). **Tattnall Co.:** (GA, VSC). **Unknown Co.:** 6 Sep 1960, *M. Mellinger 1572* (GAS).

Lipocarpha micrantha

NORTH AMERICA. UNITED STATES GEORGIA. McIntosh Co.: 1 Aug 1997, *T. Stallins s.n.* (GA).

Lipocarpha microcephala

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 1 Sep 2006, *R. Carter 17193* (VSC). **Ware Co.:** 7 Jul 2011, *R. Carter 20264* (GA, VSC).

Oxycaryum cubense

NORTH AMERICA. UNITED STATES GEORGIA. Seminole Co.: 22 Jul 2008, *R. Carter 18461* (GAS).

Rhynchospora alba

NORTH AMERICA. UNITED STATES GEORGIA. Charlton Co.: 24 Sep 1993, *K. Williges 114* (GA).

Rhynchospora baldwinii

NORTH AMERICA. UNITED STATES GEORGIA. Bryan Co.: 18 Aug 1991, *S. Orzell 17770* (GA); 1 Jul 1992, *R. Carter 10023* (GA, VSC). **Charlton Co.:** 7 Sep 1969, *R. Norris 1403* (VSC). **Echols Co.:** 9 Sep 1979, *M. Norsworthy 550* (VSC). **Grady Co.:** 5 Sep 2001, *R. Kral 91798* (VSC); 24 Sep 2004, *R. Kral 95664* (VSC). **Lanier Co.:** 21 Apr 1994, *C. Wilson 251* (VSC). **Liberty Co.:** 23 Jun 1992, *Unknown 1561* (GAS). **Liberty Co.:** 24 Aug 1983, *S. Jones 23960* (GA); 23 Jun 1992, *M. Moore 1561* (GA, VSC). **Long Co.:** 24 Jun 1992, *Unknown 420* (GAS). **Long Co.:** *T. Zebryk 420* (GA, VSC). **McIntosh Co.:** 3 Jun 1963, *J. Bozeman 2894* (GAS). **McIntosh Co.:** 6 Jun 1963, *J. Bozeman 2996* (GA). **Worth Co.:** 19 Jun 1992, *R. Kral 80942* (GA).

Rhynchospora brachychaeta

NORTH AMERICA. UNITED STATES GEORGIA. Thomas Co.: 9 May 2011, *R. Carter 20229* (VSC).

Rhynchospora caduca

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 23 Jun 2010, *L. Chafin s.n.* (GA, VSC). **Brooks Co.:** 1 Jul 1965, *W. Faircloth 1985* (GA). **Bulloch Co.:** 5 Jul 1974, *D. Drapalik 18031* (GAS). **Calhoun Co.:** 31 May 1947, *R. Thorne 4312* (GA). **Camden Co.:** 28 Aug 1996, *R. Carter 13604* (VSC); 29 May 2006, *R. Carter 16720* (VSC); 9 Jun 2006, *R. Carter 16769* (VSC). **Charlton Co.:** 5 Jun 1990, *S. Orzell 13814* (GA); 1 Oct 2004, *P. Hyatt 11783* (VSC); 20 Jul 2006, *R. Carter 17048* (VSC). **Chatham Co.:** 18 Jun 1958, *M. Mellinger 2210* (GAS); 10 Jul 1958, *W. Duncan 21228* (GAS-2); 18 Jun 1959, *M. Mellinger 878* (GAS). **Chatham Co.:** 10 Jul 1958, *W. Duncan 21228* (GA). **Decatur Co.:** 5 Jun 1964, *W. Faircloth 1069* (GA, VSC). **Elbert Co.:** 23 Jul 1980, *W. Credle 3001* (GA). **Floyd Co.:** 1 Aug 1999, *R. Ware 440* (GA). **Glynn Co.:** 20 Jul 1969, *R. Norris 1244* (VSC). **Gordon Co.:** 15 Jul 1999, *T. Govus 1139* (GA). **Greene Co.:** 17 Jul 1950, *W. Duncan 11348* (GA, VSC). **Houston Co.:** 5 Jun 2005, *L. Echols 225* (GA, VSC); 24 Jun 2005, *L. Echols 270* (GA, VSC); 29 May 2006, *L. Echols 568* (GA, VSC). **Jasper Co.:** 25 May 2012, *S. Sewell 339* (GA); 5 Aug 2012, *S. Sewell 663* (GA). **Jones Co.:** 3 Jul 1999, *Sweeney 893* (GA). **Lanier Co.:** 21 Aug 1994, *J. Lusk 190* (VSC). **Laurens Co.:** 4 Jul 1936, *J. Pyron 751* (GA-2). **Lee Co.:** 23 Jun 1990, *R. Norris 6072* (GA). **Liberty Co.:** 23 Jun 1992, *Unknown 1568* (GAS). **Liberty Co.:** 13 Jun 1984, *S. Jones 24181* (GA); 23 Jun 1992, *M. Moore 1568* (GA, VSC). **Long Co.:** 24 Jun 1992, *Unknown 422* (GAS). **Long Co.:** 6 Oct 1962, *J. Bozeman 1985A* (GA); 24 Jun 1992, *T. Zebryk 422* (GA, VSC). **McIntosh Co.:** 4 Jun 1962, *J. Bozeman 673* (GAS). **McIntosh Co.:** 14 Jun 1979, *S. Jones 23264* (GA). **Miller Co.:** 12 May

2012, *R. Carter 20402* (VSC). **Morgan Co.:** 25 Jul 1992, *J. Seward 1458* (GA). **Richmond Co.:** 11 Jul 1969, *H. Gaines s.n.* (GA-2). **Screven Co.:** 26 Jul 1965, *C. Roach s.n.* (GAS); *Fordham s.n.* (GAS); *J. Nutting 286* (GAS). **Sumter Co.:** 7 Jul 1988, *R. Norris 5589* (GA). **Thomas Co.:** 1 Jun 1983, *L. Anderson 6384* (GA). **Tift Co.:** 27 Jun 1993, *R. Kral 82747* (GA); 11 Sep 2009, *B. Sanderson 495* (VSC). **Whitfield Co.:** 2 Jul 2012, *R. Carter 20442* (VSC). **Worth Co.:** 7 Nov 1993, *B. Sorrie 7789* (GA).

Rhynchospora capitellata

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 26 Jun 2006, *W. Zomlefer 1028* (GA). **Chatham Co.:** 8 Nov 1958, *M. Mellinger 632* (GAS); 22 May 1959, *M. Mellinger 887* (GAS). **Dawson Co.:** 3 Jul 2001, *L. Kruse 01-364* (GA); 23 Jul 2001, *L. Kruse 01-482* (GA); 15 Aug 2001, *L. Kruse 01-618* (GA). **Decatur Co.:** 19 Jun 1947, *R. Thorne 4791* (GAS). **Gilmer Co.:** 18 Jul 1973, *R. Kral 50722* (VSC). **Harris Co.:** 7 Sep 1999, *Sweeney 737* (GA). **Lumpkin Co.:** 14 Jul 1957, *W. Duncan 20705* (GA); 4 Oct 2002, *T. Govus 1293* (GA); //, *L. Kruse 01-599* (GA). **Marion Co.:** 22 Jul 2001, *B. Sorrie 10774* (GA); 7 Sep 2007, *T. Govus 1502* (GA). **Morgan Co.:** 16 Sep 1979, *J. Hill 1178* (GA). **Rabun Co.:** 5 Sep 1911, *J. Reade s.n.* (GA); 24 Sep 1949, *W. Duncan 10492* (GA). **Union Co.:** 13 Sep 1940, *W. Duncan 2936* (GA). **Walker Co.:** 18 Aug 1981, *N. Coile 2295* (GA). **White Co.:** 22 Oct 1939, *W. Duncan 1830* (GA); 18 Jul 1990, *J. Allison 4612* (GA).

Rhynchospora careyana

NORTH AMERICA. UNITED STATES GEORGIA. Bacon Co.: 25 Jun 1993, *R. Kral 82719* (GA). **Baker Co.:** 26 Jun 1992, *L. Kirkman 2275* (VSC-2); 6 Aug 2009, *R. Carter 19300* (VSC-2). **Berrien Co.:** 24 Aug 1965, *W. Faircloth 2880* (GA, VSC). **Bryan Co.:** 27 May 1992, *T. Zebryk 287* (GA). **Burke Co.:** 7 Aug 1975, *R. Kral 56163* (VSC). **Calhoun Co.:** 6 Aug 2009, *R. Carter 19329* (VSC). **Camden Co.:** 16 Sep 1995, *R. Carter 12814* (VSC); 30 Aug 1996, *R. Carter 13623* (VSC); 17 Aug 2006, *R. Carter 17139* (VSC). **Candler Co.:** 2 Aug 1965, *C. Roach s.n.* (GAS). **Charlton Co.:** 16 Jul 2010, *R. Carter 19874* (VSC). **Clinch Co.:** 23 Jul 2010, *R. Carter 19909* (VSC). **Cook Co.:** 19 Jul 1965, *W. Faircloth 2408* (GA). **Crisp Co.:** 9 Sep 1973, *R. Kral 51587* (VSC). **Early Co.:** 9 Jul 1966, *R. Kral 27093* (GA); 19 Jul 2007, *R. Carter 17788* (VSC). **Echols Co.:** 9 Jul 1991, *R. Carter 8836* (VSC). **Grady Co.:** 28 Aug 2006, *R. Kral 97590* (VSC). **Lanier Co.:** 21 Aug 1994, *J. Lusk 205* (GA, VSC). **Lee Co.:** 6 Jun 2006, *R. Kral 97470* (VSC-2). **Lowndes Co.:** 11 Aug 1967, *R. Norris 920* (VSC); 23 Aug 1987, *R. Carter 6157* (VSC); 15 Sep 2010, *R. Carter 19950* (VSC). **McIntosh Co.:** 7 Aug 1956, *W. Duncan 20404* (GA, VSC); 14 Aug 1958, *W. Harmer 130* (GA); 6 Jul 1959, *W. Harmer 741* (GA); 4 Jun 1962, *J. Bozeman 643* (GA); 16 Aug 1993, *R. Kral 83094* (GA); 24 Jul 1998, *J. Horn 1187* (GA). **Miller Co.:** 28 Jul 1946, *W. Duncan 6760* (GA); 25 Aug 2012, *R. Carter 20667* (VSC); 10 Sep 2013, *R. Carter 21337* (VSC). **Mitchell Co.:** 19 Jun 1996, *R. Kral 86131* (VSC). **Ware Co.:** 23 Jul 2010, *R. Carter 19901* (VSC).

Rhynchospora cephalantha

NORTH AMERICA. UNITED STATES GEORGIA. Atkinson Co.: 17 Aug 1969, *R. Norris 1309* (VSC). **Bacon Co.:** 25 Jun 1993, *R. Kral 82709* (GA). **Baker Co.:** 21 Jun 1947, *R. Thorne 4860* (GA); 28 Jul 1992, *K. Kirkman 2401* (GA); 8 Sep 1995, *L. Anderson 15876* (GA); 5 Aug 1996, *K. Kirkman 3489* (GA); 15 Aug 2000, *R. Kral 90145* (GA); 6 Aug 2009, *R. Carter 19297* (VSC). **Berrien Co.:** 23 Jun 1966, *J. Bozeman 4744* (GAS). **Berrien Co.:** 19 Aug 1950, *W. Duncan 11822* (GA); 12 Jul 1965, *W. Faircloth 2146* (GA, VSC); 21 Jul 1966, *W. Faircloth 3651* (GA, VSC); 17 Aug 1991, *S. Orzell 17624* (GA). **Brantley Co.:** 4 Jul 1988, *R. Carter 6963* (VSC). **Bryan Co.:** 23 Jun 1992, *R. Carter 9893* (GA, VSC). **Bulloch Co.:** 7 Oct 1964, *J. Spooner 109* (GAS); 27 Oct 1974, *D. Drapalik 3141* (GAS). **Bulloch Co.:** 5 Jul 1936, *J. Pyron 644* (GA). **Charlton Co.:** 6 Jun 1958, *E. Cypert 127* (GA); 20 Jul 1993, *K. Williges 89* (GA). **Chatham Co.:** 16 Jun 1958, *W. Duncan 21068* (GAS); *W. Duncan 21068* (GAS); 22 May 1959, *M. Mellinger 879* (GAS). **Chatham Co.:** 16 Jun 1958, *W. Duncan 21068* (GA). **Clinch Co.:** 17 Jun 1969, *R. Norris 1152* (VSC); 4 Jul 1969, *R. Norris 1175* (VSC). **Early Co.:** 26 Jun 1947, *R. Thorne 4954* (GA); 7 Jul 1947, *R. Thorne 5180* (GA). **Echols Co.:** 21 Jul 1969, *W. Faircloth 5912* (GA, VSC); 9 Jul 1991, *R. Carter 8825* (VSC). **Emanuel Co.:** 10 Aug 1995, *R. Kral 85443* (GA). **Glynn Co.:** 27 Jul 1979, *W. Duncan 30550* (GA). **Grady Co.:** 5 Sep 2001, *R. Kral 91800* (VSC); 15 Aug 2003, *R. Kral 93367* (VSC); 2 Jul 2004, *R. Kral 95400* (GA). **Jenkins Co.:** 8 Jul 1949, *W. Duncan 9905* (GA). **Lanier Co.:** 19 Jul 1966, *W. Faircloth 3599* (GA, VSC); 17 Aug 1991, *S. Orzell 17633* (GA). **Liberty Co.:** 24 Jun 1992, *R. Carter 9918* (GA, VSC); 2 Jul 1992, *R. Carter 10042* (VSC). **Long Co.:** 6 Oct 1962, *J. Bozeman 2055* (GAS); 2 Jun 1992, *Unknown 1524* (GAS). **Long Co.:** 6 Oct 1962, *J. Bozeman 1956* (GA); 2 Jun 1992, *M. Moore 1524* (GA, VSC). **Lowndes Co.:** 9 Oct 1970, *G. Breland 2* (VSC); 20 Jul 1988, *R. Carter 7099* (GA, VSC). **McIntosh Co.:** 30 Jun 1956, *W. Duncan 20229* (GA, VSC); 5 Jun 1963, *J. Bozeman 2958* (GA). **Miller Co.:** 8 Jul 1998, *M. Owsley 1806* (GA). **Thomas Co.:** 25 Jul 2007, *R. Carter 17834* (VSC). **Tift Co.:** 11 Sep 2009, *B. Sanderson 493* (VSC). **Toombs Co.:** 3 Aug 1948, *A. Cronquist 5594* (GA). **Ware Co.:** 8 Aug 1988, *R. Carter 7303* (GA, VSC). **Wheeler Co.:** 1 Aug 1953, *W. Duncan 16948* (GA). **Worth Co.:** 24 Aug 1966, *W. Faircloth 3950* (VSC); 20 Jul 1988, *R. Norris 5610* (GA); 24 Aug 1996, *W. Faircloth 3950* (GA).

Rhynchospora chalarocephala

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 14 Jul 1951, *W. Duncan 12736* (GA); 11 Aug 1951, *W. Duncan 12921* (GA); 6 Aug 1964, *P. Greear 64368* (GA). **Bulloch Co.:** 7 Oct 1964, *P. Hooper s.n.* (GAS); 8 Oct 1964, (GAS). **Charlton Co.:** 1 Aug 1926, *C. Sperry 608* (GA); 18 Jul 1984, *J. Glasser s.n.* (GA-2). **Chatham Co.:** 8 Nov 1958, *M. Mellinger 653* (GAS). **Cook Co.:** 19 Jul 1965, *W. Faircloth 2400* (GA, VSC). **Early Co.:** 26 Jun 1947, *R. Thorne 4948* (GA). **Echols Co.:** 6 Sep 1967, *W. Faircloth 4804* (GA). **Emanuel Co.:** 12 Aug 1995, *R. Kral 85499* (GA). **Grady Co.:** 22 Jun 2002, *R. Kral 92791* (VSC). **Harris Co.:** 16 Jul 1998, *Crook 463* (GA). **Irwin Co.:** 17 Sep 2009, *R. Carter 19596* (VSC). **Jones Co.:** 29 Aug 1996, *T. Govus 811* (GA). **Liberty Co.:** 13 May 1992, *Unknown 259* (GAS). **Liberty Co.:** *T. Zebryk 259* (GA, VSC). **Long Co.:** 16 Mar 1993, *C. Nordman s.n.*

(GA). **Macon Co.:** 26 Aug 1929, *J. Pyron s.n.* (GA). **McDuffie Co.:** 8 Oct 2007, *T. Govus 1493* (GA). **Tattnall Co.:** 16 Jun 1948, *A. Cronquist 5347* (GA). **Thomas Co.:** 25 Jul 2007, *R. Carter 17838* (VSC). **Tift Co.:** 3 Aug 1953, *W. Duncan 17082* (GA). **Turner Co.:** 24 Jun 1993, *R. Kral 82683* (GA). **Ware Co.:** 5 Oct 1960, *E. Cypert 341* (GA). **Wayne Co.:** 16 Aug 1993, *R. Kral 83070* (GA); 19 Aug 1993, *C. Nordman s.n.* (GA). **Worth Co.:** 6 Jun 2006, *R. Kral 97495* (VSC).

Rhynchospora chapmanii

NORTH AMERICA. UNITED STATES GEORGIA. Appling Co.: 17 Aug 1993, *R. Kral 83139* (GA). **Atkinson Co.:** 21 Jul 1969, *R. Norris 1262* (VSC). **Charlton Co.:** 20 Jul 2006, *R. Carter 17052* (VSC). **Grady Co.:** 5 Sep 2001, *R. Kral 91801* (VSC); 10 Oct 2002, *R. Kral 93378* (VSC). **Lanier Co.:** 27 Aug 1994, *J. Lusk 208* (VSC). **Lowndes Co.:** 10 Aug 1996, *S. Jones 12828* (VSC).

Rhynchospora ciliaris

NORTH AMERICA. UNITED STATES GEORGIA. Brantley Co.: 21 Sep 1991, *R. Carter 9210* (VSC). **Bryan Co.:** 1 Jul 1992, *R. Carter 10022* (VSC). **Bulloch Co.:** 30 Aug 1961, *J. Boole 1222* (GAS-3); 30 Sep 1964, *R. O'Steen 140* (GAS); 23 Oct 1964, *D. Hall 225* (GAS); *P. Hooper s.n.* (GAS). **Camden Co.:** 21 Jul 2006, *R. Carter 17078* (VSC). **Charlton Co.:** 11 Oct 1991, *R. Kral 79935* (VSC-2); 14 Oct 2004, *R. Kral 95794* (VSC). **Chatham Co.:** 13 Jun 1958, *W. Duncan 20988* (GAS-2). **Colquitt Co.:** 18 Jul 2013, *R. Carter 21164* (VSC); 29 Oct 2013, *R. Carter 21486* (VSC). **Cook Co.:** 4 Sep 1991, *V. McNeilus 91-1124* (GA). **Echols Co.:** 24 May 1979, *P. Bostian s.n.* (GAS). **Echols Co.:** 20 Oct 1970, *W. Faircloth 6947* (VSC). **Lanier Co.:** 18 Jul 1966, *W. Faircloth 3540* (VSC); 21 Aug 1994, *J. Lusk 203* (VSC). **Liberty Co.:** 2 Jul 1992, *R. Carter 10044* (VSC). **Thomas Co.:** 3 Jun 2002, *R. Kral 92687* (VSC); 6 Jun 2004, *R. Kral 95282* (VSC).

Rhynchospora colorata

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 15 Jun 1996, *R. Kral 86084* (VSC). **Camden Co.:** 9 Jul 1996, *R. Carter 13183* (VSC); 20 May 2006, *R. Carter 16682* (VSC). **Charlton Co.:** 12 May 1963, *H. J. s.n.* (GAS). **Chatham Co.:** 9 Jul 1958, *W. Duncan 21195* (GAS); 18 May 1966, *H. Wright 172* (GAS); *J. Walters 285* (GAS); *L. Pafford 281* (GAS). **Echols Co.:** 11 May 1966, *C. Kidd s.n.* (VSC); 21 Jul 1969, *W. Faircloth 5881* (VSC). **Glynn Co.:** 28 Apr 1957, *J. Boole 761* (GAS); 15 Apr 1961, *J. Sikes 73* (GAS); 16 Apr 1961, *R. Simmons 40* (GAS). **Glynn Co.:** 26 Apr 1970, *H. Strickland s.n.* (VSC); 4 Jul 1988, *R. Carter 6952* (VSC). **Liberty Co.:** 16 Jul 1992, *Unknown 1620* (GAS). **Liberty Co.:** *M. Moore 1620* (VSC). **Long Co.:** 19 May 1985, *C. McNair 38* (GAS). **Long Co.:** 19 Apr 1974, *W. Faircloth 7512* (VSC). **Lowndes Co.:** 25 May 1993, *J. Lusk 11* (VSC). **McIntosh Co.:** 25 May 1956, *W. Duncan 20104* (GAS); 4 Jun 1962, *J. Bozeman 657* (GAS); 26 Apr 1964, *N. B. n208* (GAS-2); 9 May 1964, *D. Varnedoe 189* (GAS); *P. Trapnell 244* (GAS). **McIntosh Co.:** 25 May 1956, *W. Duncan 20104* (VSC). **Thomas Co.:** 20 Aug 1965, *W. Faircloth 2815* (VSC). **Unknown Co.:** 11 May 1959, *M. Mellinger 497* (GAS). **Wayne Co.:** 16 Apr 1961, *W. Threlkeld 99* (GAS).

Rhynchospora compressa

NORTH AMERICA. UNITED STATES GEORGIA. Colquitt Co.: 10 Jun 1964, *W. Faircloth 1126* (VSC); 13 May 2006, *R. Kral 97360* (VSC); 20 Jun 2013, *R. Carter 21035* (VSC). **Cook Co.:** 26 May 1992, *R. Kral 80657* (VSC). **Thomas Co.:** 13 May 2006, *R. Kral 97367* (VSC). **Turner Co.:** 13 May 1970, *W. Faircloth 6682* (VSC); 19 Jun 1992, *R. Kral 80935* (VSC). **Worth Co.:** 6 Jun 2006, *R. Kral 97496* (VSC); 30 Jun 2010, *R. Carter 19841* (VSC).

Rhynchospora corniculata

NORTH AMERICA. UNITED STATES GEORGIA. Appling Co.: 11 Oct 1991, *R. Kral 79970* (VSC). **Atkinson Co.:** 26 Jul 1969, *R. Norris 1251* (VSC). **Ben Hill Co.:** 19 Aug 1967, *W. Faircloth 4707* (VSC). **Berrien Co.:** 12 Jul 1965, *W. Faircloth 2125* (VSC); 21 Jul 1966, *W. Faircloth 3649* (GA, VSC). **Brooks Co.:** 13 Jul 1966, *W. Faircloth 3486* (VSC). **Bryan Co.:** 25 Jun 1992, *R. Carter 9945* (GA, VSC); 10 Jul 2014, *W. Zomlefer 3682* (GA-2). **Bulloch Co.:** 7 Oct 1964, *P. Hooper 77* (GAS); 26 Jul 1965, *J. Nutting 263* (GAS); 27 Oct 1974, *D. Drapalik 3130* (GAS); 30 Jul 1975, *D. Drapalik 3242* (GAS-2); 13 Oct 1975, *D. Drapalik 3260* (GAS-2). **Bulloch Co.:** 5 Jul 1936, *J. Pyron 656* (GA); 17 Sep 1979, *J. Manhart 8* (GA, VSC). **Calhoun Co.:** 25 Jul 2002, *R. Kral 92968* (VSC-3). **Camden Co.:** 8 Sep 1963, *D. Blake s.n.* (GA); 29 Jun 2006, *R. Carter 16864* (VSC); 1 Sep 2006, *R. Carter 17177* (VSC). **Candler Co.:** 2 Aug 1965, *Fordham s.n.* (GAS). **Candler Co.:** 24 Aug 1941, *W. Duncan 3961* (GA). **Charlton Co.:** 20 Jul 2006, *R. Carter 17049* (VSC); 24 Sep 2013, *R. Carter 21413* (VSC). **Chatham Co.:** 17 Jun 1958, *W. Duncan 21108* (GAS-2); 23 Jul 1958, *M. Mellinger 891* (GAS); 20 Oct 1958, *M. Mellinger 917* (GAS). **Chatham Co.:** 17 Jun 1958, *W. Duncan 21108* (GA); 20 Oct 1958, *M. Mellinger M6* (VSC). **Clarke Co.:** 31 Oct 2010, *L. Chafin s.n.* (GA). **Coffee Co.:** 23 Aug 2007, *J. Clay 133* (VSC). **Colquitt Co.:** 1 Aug 1965, *L. Parry s.n.* (VSC); 10 Aug 1965, *W. Faircloth 2693* (GA, VSC); 12 Jul 2007, *R. Carter 17714* (VSC). **Cook Co.:** 19 Jul 1965, *W. Faircloth 2408* (VSC); 23 Sep 1967, *W. Faircloth 4891* (GA, VSC). **Decatur Co.:** 25 Aug 1982, *N. Coile 3081* (GA). **Dougherty Co.:** 12 Jul 1923, *J. Gillespie s.n.* (GA); 25 Jun 1988, *R. Norris 5565* (GA); 3 Aug 2001, *R. Kral 91719* (VSC). **Echols Co.:** 9 Jul 1965, *W. Faircloth 2089* (VSC); 21 Jun 1970, *W. Faircloth 6743* (VSC). **Effingham Co.:** 25 Jun 2014, *W. Zomlefer 3590* (GA). **Emanuel Co.:** 10 Aug 1995, *R. Kral 85447* (GA). **Glascok Co.:** 22 Jul 2017, *P. Lowe 47* (VSC). **Glynn Co.:** 23 Sep 1978, *W. Duncan 30516* (GA); 6 Jul 1992, *C. Nordman s.n.* (GA). **Irwin Co.:** 26 Jun 2009, *B. Sanderson 359* (VSC). **Liberty Co.:** 23 Jun 1992, *Unknown 413* (GAS). **Liberty Co.:** 26 Aug 1988, *R. Carter 7448* (VSC); 23 Jun 1992, *T. Zebryk 413* (VSC). **Long Co.:** 6 Oct 1962, *J. Bozeman 1968* (GAS). **McDuffie Co.:** 20 Jul 1950, *W. Duncan 11542* (GA). **McIntosh Co.:** 7 Aug 1956, *W. Duncan 20404* (GAS). **McIntosh Co.:** 12 Jul 1959, *W. Harmer 760* (GA); 17 Aug

1960, *W. Harmer 1153* (GA); 8 Jul 1992, *C. Nordman s.n.* (GA). **Miller Co.:** 8 Jul 1947, *R. Thorne 5222* (GA). **Montgomery Co.:** 10 Aug 2017, *P. Lowe 84* (VSC). **Richmond Co.:** 11 Jul 1969, *H. Gaines s.n.* (GA). **Screven Co.:** 13 Nov 1964, *P. Hooper s.n.* (GAS); 26 Jul 1965, *Fordham s.n.* (GAS); *W. Tanner 248* (GAS). **Seminole Co.:** 4 Sep 2009, *R. Carter 19564* (VSC). **Sumter Co.:** 8 Jul 1996, *R. Norris 6712* (GA). **Thomas Co.:** 2 Aug 1965, *W. Faircloth 2625* (VSC). **Upson Co.:** 9 Sep 1947, *A. Cronquist 4683* (GA). **Walker Co.:** 20 Sep 1951, *W. Duncan 13237* (GA). **Ware Co.:** 30 Aug 1978, *S. Jones 23007* (GA). **Wilcox Co.:** 9 Aug 1987, *R. Carter 6063* (VSC).

Rhynchospora crinipes

NORTH AMERICA. UNITED STATES GEORGIA. Marion Co.: 13 Aug 1995, *R. Kral 85554* (GA). **Treutlen Co.:** 14 Jul 1994, *R. Kral 83808* (GA). **Wheeler Co.:** 9 Aug 1995, *R. Kral 85409* (GA, VSC).

Rhynchospora culixa

NORTH AMERICA. UNITED STATES GEORGIA. Candler Co.: 4 Jul 1936, *J. Pyron 691* (GA). **Cook Co.:** 26 May 1992, *R. Kral 80652* (GA). **Worth Co.:** 29 May 1992, *R. Kral 80780* (GA).

Rhynchospora debilis

NORTH AMERICA. UNITED STATES GEORGIA. Bacon Co.: 25 Jun 1993, *R. Kral 82712* (GA). **Baker Co.:** 21 Jun 1947, *R. Thorne 4834* (GA). **Bartow Co.:** 17 Jul 1964, *P. Greear 64295* (GA). **Brooks Co.:** 23 Aug 1994, *R. Kral 84126* (GA); 14 Oct 2004, *R. Kral 95773* (VSC). **Camden Co.:** 16 Sep 1995, *R. Carter 12816* (VSC); 9 Jul 1996, *R. Carter 13191* (VSC). **Charlton Co.:** 15 Oct 2004, *R. Kral 95795* (VSC); *R. Kral 95797* (VSC). **Chatham Co.:** 13 Jun 1958, *W. Duncan 20990* (GAS). **Chatham Co.:** (GA); 20 Jul 1979, *J. Bozeman s.n.* (GA). **Crisp Co.:** 23 Jun 1993, *R. Kral 82649* (GA). **Grady Co.:** 8 Aug 2001, *R. Kral 91817* (VSC); 24 Sep 2004, *R. Kral 95661* (VSC). **Jeff Davis Co.:** 19 Aug 1991, *S. Orzell 17821* (GA); 11 Sep 2013, *R. Carter 21353* (VSC). **Lowndes Co.:** 18 Sep 1991, *R. Carter 9155* (GA, VSC). **Miller Co.:** 18 Jul 1947, *R. Thorne 5413* (GA). **Worth Co.:** 30 Jun 2010, *R. Carter 19840* (VSC).

Rhynchospora decurrens

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 15 Aug 2000, *R. Kral 90143* (VSC). **Calhoun Co.:** 14 Jun 1947, *R. Thorne 4708* (GA). **Charlton Co.:** 8 Jun 2006, *R. Carter 16754* (VSC). **Dougherty Co.:** 10 Jun 1947, *R. Thorne 4547* (GA); 3 Aug 2001, *R. Kral 91718* (VSC). **Long Co.:** 14 Jul 2006, *R. Carter 16975* (VSC). **McIntosh Co.:** 6 Jun 1963, *J. Bozeman 2970* (GAS). **McIntosh Co.:** (GA). **Tift Co.:** 29 Jun 1966, *J. Bozeman 5306* (GAS). **Wheeler Co.:** 9 Aug 1995, *R. Kral 85419* (GA).

Rhynchospora divergens

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 22 Aug 1977, *R. Kral 60893* (VSC). **Calhoun Co.:** 10 Jun 1947, *R. Thorne 4586* (GA).

Rhynchospora elliottii

NORTH AMERICA. UNITED STATES GEORGIA. Bacon Co.: 25 Jun 1993, *R. Kral 82717* (GA). **Baker Co.:** 16 Jun 1947, *R. Thorne 4726* (GA). **Ben Hill Co.:** 29 Jul 1994, *R. Kral 83972* (GA). **Brantley Co.:** 4 Jul 1988, *R. Carter 6967* (VSC). **Bryan Co.:** 23 Jun 1992, *R. Carter 9894* (GAS). **Bryan Co.:** (GA, VSC); 30 Jun 1992, *R. Carter 10005* (GA, VSC). **Bulloch Co.:** 23 Jun 1965, *J. Nutting 67* (GAS). **Camden Co.:** 24 Jul 1996, *R. Carter 13376* (GAS). **Camden Co.:** 4 Jul 1988, *R. Carter 6944* (VSC); 9 Jul 1996, *R. Carter 13221* (GA, VSC); 30 Aug 1996, *R. Carter 13641* (GA, VSC); 20 May 2006, *R. Carter 16687* (VSC); 10 Jun 2006, *R. Carter 16815* (VSC); 30 Jun 2006, *R. Carter 16913* (VSC). **Charlton Co.:** 5 Jun 1990, *S. Orzell 13810* (GA); 8 Jun 2006, *R. Carter 16757* (VSC). **Clarke Co.:** 15 Aug 1980, *J. Manhart 87* (GA). **Colquitt Co.:** 20 Jun 2013, *R. Carter 21075* (VSC). **Cook Co.:** 6 Jun 2004, *R. Kral 95350* (VSC). **Decatur Co.:** 24 May 2001, *R. Kral 91129* (VSC). **Dooly Co.:** 31 Jul 1953, *W. Duncan 16833* (GA). **Dougherty Co.:** 19 Jun 1931, *P. Shelley s.n.* (GA). **Early Co.:** 26 Jun 1947, *R. Thorne 4947* (GA). **Echols Co.:** 9 Jul 1991, *R. Carter 8827* (VSC). **Grady Co.:** 6 May 2001, *R. Kral 91042* (VSC). **Jeff Davis Co.:** 6 Sep 1999, *H. Holland 195* (GA). **Jefferson Co.:** 9 Jun 1967, *J. Bozeman 9557* (GAS). **Liberty Co.:** 22 Jul 1993, *M. Moore 1853* (GA). **McIntosh Co.:** 6 Jun 1963, *J. Bozeman 2997* (GAS). **McIntosh Co.:** 26 May 1956, *W. Duncan 20117* (GA, VSC); 3 Jun 1963, *J. Bozeman 2870* (GA); 15 Jul 1992, *C. Nordman s.n.* (GA). **Miller Co.:** 8 Nov 1947, *R. Thorne 7534* (GA). **Seminole Co.:** 15 Sep 1999, *S. Bergamo 126* (GA). **Turner Co.:** 19 Jun 1992, *R. Kral 80936* (VSC). **Worth Co.:** 29 Aug 1992, *S. Orzell 20523* (GA); 19 Jun 2013, *R. Carter 20997* (VSC-2).

Rhynchospora fascicularis

NORTH AMERICA. UNITED STATES GEORGIA. Appling Co.: 11 Oct 1991, *R. Kral 79972* (VSC). **Bacon Co.:** 18 Aug 1988, *R. Carter 7388* (GA, VSC); 25 Jun 1993, *R. Kral 82715* (GA). **Baker Co.:** 14 Jul 1992, *R. Kral 81072* (GA); 15 Aug 2000, *R. Kral 90133* (GA); 6 Aug 2009, *R. Carter 19298* (VSC). **Berrien Co.:** 20 Jul 1991, *R. Kral 79358* (GA); 27 May 1992, *R. Kral 80707* (VSC). **Brantley Co.:** 21 Sep 1991, *R. Carter 9185* (GA, VSC). **Brooks Co.:** 12 Jun 2004, *R. Kral 95370* (VSC); 24 Jul 2013, *R. Carter 21228* (VSC). **Bryan Co.:** 30 Jun 1992, *R. Carter 10007* (VSC); 22 Jul 1992, *R. Carter 10229* (VSC); *R. Carter 10230* (GA, VSC); 10 Jul 2014, *W. Zomlefer 3646* (GA). **Bulloch Co.:** 23 Oct 1964, *J. Spooner 262* (GAS). **Calhoun Co.:** 14 Jun 1947,

R. Thorne 4691 (GA). **Camden Co.:** 4 Jul 1988, *R. Carter* 6945 (VSC); 16 Sep 1995, *R. Carter* 12809 (VSC); *R. Carter* 12811 (GA, VSC); 3 Jul 1996, *R. Carter* 13048 (VSC); 28 Aug 1996, *R. Carter* 13605 (GA, VSC); 29 Jun 2006, *R. Carter* 16867 (VSC); 30 Jun 2006, *R. Carter* 16886 (VSC). **Candler Co.:** 2 Aug 1965, *C. Roach s.n.* (GAS). **Charlton Co.:** 11 Jul 1979, *S. Jones* 23332 (GA); 3 Aug 1979, *J. Loew* 1086 (GA); 18 Jun 1980, *J. Loew* 1664 (GA-2); 11 Oct 1991, *R. Kral* 79933B (VSC); 15 Oct 2004, *R. Kral* 95793 (VSC). **Chatham Co.:** 9 Aug 1958, *W. Duncan* 21489 (GAS); 10 Sep 1959, *M. Mellinger* 903 (GAS). **Chatham Co.:** 9 Aug 1958, *W. Duncan* 21489 (GA). **Clinch Co.:** 17 Jun 1969, *R. Norris* 1151 (VSC); 21 Jun 1969, *R. Norris* 1168 (VSC); 4 Jul 1969, *R. Norris* 1176 (VSC); 14 Jul 1998, *R. Carter* 12 (VSC). **Coffee Co.:** 6 Aug 1998, *R. Carter* 14134 (VSC). **Cook Co.:** 12 Jun 2004, *R. Kral* 95351 (VSC). **Dougherty Co.:** 3 Aug 2001, *R. Kral* 91698 (VSC). **Early Co.:** 31 May 1947, *R. Thorne* 4342 (GA); 11 Aug 1947, *R. Thorne* 5989 (GA); 12 Aug 1947, *R. Thorne* 6020 (GA); 20 Nov 1947, *R. Thorne* 7614 (GA). **Echols Co.:** 21 Jul 1969, *W. Faircloth* 5895 (GA, VSC); 9 Jul 1991, *R. Carter* 8814 (VSC); *R. Carter* 8820 (VSC); *R. Carter* 8826 (VSC). **Effingham Co.:** 9 Sep 2014, *W. Zomlefer* 3805 (GA). **Grady Co.:** 5 Sep 2001, *R. Kral* 91796 (VSC); 24 Sep 2004, *R. Kral* 95663 (VSC). **Lanier Co.:** 14 Jul 1988, *R. Carter* 7027 (GA, VSC); 17 Aug 1991, *S. Orzell* 17669 (GA); 22 Jul 1994, *C. Wilson* 307 (VSC); *C. Wilson* 308 (VSC); 21 Aug 1994, *J. Lusk* 192 (VSC). **Liberty Co.:** 17 Sep 1984, *S. Jones* 24497 (GA); 24 Jun 1992, *R. Carter* 9919 (GA, VSC); 2 Jul 1992, *R. Carter* 10041 (GA); *R. Carter* 10045 (VSC). **Long Co.:** 6 Oct 1962, *J. Bozeman* 2052 (GAS); 21 Apr 1992, *Unknown* 1438 (GAS); 2 Jun 1992, *Unknown* 1528 (GAS). **Long Co.:** 6 Oct 1962, *J. Bozeman* 1955 (GA); 21 Apr 1992, *M. Moore* 1438 (GA); 2 Jun 1992, *M. Moore* 1528 (GA, VSC). **Lowndes Co.:** 19 May 1966, *W. Faircloth* 3214 (GA, VSC); 10 Aug 1996, *S. Jones* 12832 (GA-2); 13 Jul 2010, *R. Carter* 19872 (VSC). **Macon Co.:** 30 Aug 1987, *R. Norris* 5436 (GA). **McIntosh Co.:** 26 May 1956, *W. Duncan* 20115 (GAS); 7 Oct 1962, *J. Bozeman* 2221 (GAS). **McIntosh Co.:** 7 May 1954, *W. Duncan* 17872 (GA); 23 Jun 1954, *W. Duncan* 17974 (VSC); 3 Aug 1955, *W. Duncan* 19294 (GA); 26 May 1956, *W. Duncan* 20115 (GA, VSC); 10 Sep 1961, *W. Harmer* 1329 (GA); 7 Oct 1962, *J. Bozeman* 2225 (GA); 21 Sep 1991, *R. Carter* 9285 (VSC); 23 Aug 1992, *T. Zebryk s.n.* (GA). **Miller Co.:** 3 Jun 1947, *R. Thorne* 4417 (GA). **Pierce Co.:** 11 Oct 1991, *R. Kral* 79986 (VSC-2). **Taylor Co.:** 8 Sep 1990, *S. Orzell* 14994 (GA). **Tift Co.:** 4 Aug 1953, *W. Duncan* 17084 (GA). **Unknown Co.:** 9 Aug 1958, *W. Duncan* 21489 (GAS). **Ware Co.:** 4 Oct 2010, *R. Carter* 20001 (VSC); *R. Carter* 20003 (VSC). **Wayne Co.:** 22 Jul 1993, *C. Nordman s.n.* (GA). **Wheeler Co.:** 19 Sep 1987, *R. Carter* 6400 (GA, VSC).

Rhynchospora fernaldii

NORTH AMERICA. UNITED STATES GEORGIA. **Brantley Co.:** 21 Sep 1991, *R. Carter* 9211 (GA, VSC). **Charlton Co.:** 11 Oct 1991, *R. Kral* 79933A (VSC); 24 Sep 2013, *R. Carter* 21415 (VSC). **Echols Co.:** 11 Aug 1965, *W. Faircloth* 2720 (GA, VSC); 9 Jul 1991, *R. Carter* 8821 (GA, VSC).

Rhynchospora filifolia

NORTH AMERICA. UNITED STATES GEORGIA. **Appling Co.:** 17 Aug 1993, *R. Kral* 83127 (GA). **Bacon Co.:** 18 Aug 1988, *R. Carter* 7389 (GA, VSC); 25 Jun 1993, *R. Kral* 82714 (GA). **Baker Co.:** 12 Sep 1986, *R. Godfrey* 82097 (GA); 28 Jul 1992, *K. Kirkman* 2404 (GA); *L. Kirkman* 2399 (VSC); 1 Sep 1995, *L. Anderson* 15839 (GA-2); 15 Aug 2000, *R. Kral* 90147 (GA); 6 Aug 2009, *R. Carter* 19302 (VSC). **Bartow Co.:** 14 Jul 1951, *W. Duncan* 12730 (GA, VSC); *W. Duncan* 12782 (GA); 18 Sep 1951, *W. Duncan* 13162 (GA). **Bryan Co.:** 23 Jun 1992, *R. Carter* 9891 (GA); *R. Carter* 9892 (VSC). **Burke Co.:** 4 Jun 1980, *R. Kral* 65333 (VSC). **Calhoun Co.:** 28 Jul 1947, *R. Thorne* 5667 (GA); 6 Aug 2009, *R. Carter* 19327 (VSC). **Camden Co.:** 30 Aug 1996, *R. Carter* 13631 (VSC); 30 Jun 2006, *R. Carter* 16917 (VSC); 19 Jul 2006, *R. Carter* 17009 (VSC). **Charlton Co.:** 11 Jul 1979, *S. Jones* 23351 (GA); 9 Jul 1991, *R. Carter* 8856 (GA, VSC); 24 Oct 1997, *R. Carter* 14090 (VSC). **Chatham Co.:** 6 Aug 1958, *W. Duncan* 21425 (GAS). **Chatham Co.:** (GA). **Decatur Co.:** 5 Jun 1947, *R. Thorne* 4485 (GA). **Dougherty Co.:** 3 Aug 2001, *R. Kral* 91697 (VSC). **Glynn Co.:** 16 Aug 1993, *R. Kral* 83081 (GA). **Jeff Davis Co.:** 18 Jul 1993, *R. Kral* 83181 (GA). **Lanier Co.:** 28 May 2011, *B. Sanderson* 642 (VSC). **Lee Co.:** 6 Jun 2006, *R. Kral* 97461 (VSC). **Long Co.:** 6 Oct 1962, *J. Bozeman* 1877 (GA); 16 Aug 1993, *R. Kral* 83105 (GA). **Lowndes Co.:** 23 Aug 1987, *R. Carter* 6158 (VSC). **Macon Co.:** 22 Aug 1987, *R. Norris* 5426 (GA, VSC-2); *R. Norris* 5432 (GA). **McIntosh Co.:** 11 Aug 1956, *W. Duncan* 20444 (GA, VSC); 7 Oct 1962, *J. Bozeman* 2226A (GA); 8 Aug 1988, *R. Carter* 7273 (GA, VSC); 21 Sep 1991, *R. Carter* 9286 (VSC); 14 Aug 1993, *R. Kral* 83064 (GA). **Miller Co.:** 18 Jul 1947, *R. Thorne* 5412 (GA). **Mitchell Co.:** 31 Jul 1947, *R. Thorne* 5798 (GA). **Pierce Co.:** 7 Jul 2011, *R. Carter* 20247 (GA, VSC). **Pulaski Co.:** 31 Jul 1953, *W. Duncan* 16862 (GA). **Thomas Co.:** 10 Jul 2013, *R. Carter* 21106 (VSC). **Tift Co.:** 19 Jun 1992, *R. Kral* 80893 (VSC). **Turner Co.:** 24 Jun 1993, *R. Kral* 82684 (GA). **Worth Co.:** 20 Jul 1988, *R. Norris* 5609 (GA).

Rhynchospora globularis

NORTH AMERICA. UNITED STATES GEORGIA. **Ben Hill Co.:** 29 Jul 1994, *R. Kral* 83986 (GA). **Calhoun Co.:** 14 Jun 1947, *R. Thorne* 4689 (GA); 19 May 2009, *P. Rothrock* 4864 (VSC). **Candler Co.:** 12 May 1970, *D. Drapalik* 1612 (GAS). **Charlton Co.:** 5 Jun 1990, *S. Orzell* 13803 (GA). **Chatham Co.:** 9 Jun 1958, *W. Duncan* 20841 (GAS); *W. Duncan* 20845 (GAS). **Clarke Co.:** 24 Oct 1979, *J. Allison* 981 (GA); 22 Jun 1984, *J. Allison* 2326 (GA). **Cobb Co.:** 23 Jun 1980, *J. Allison* 1527 (GA). **Coffee Co.:** 6 Aug 1998, *R. Carter* 14139 (GA). **Columbia Co.:** 20 Sep 1986, *J. Allison* 2769 (GA). **Coweta Co.:** 20 May 1999, *T. Govus s.n.* (GA). **Crisp Co.:** 23 Jun 1993, *R. Kral* 82640 (GA). **Decatur Co.:** 21 Jul 1947, *R. Thorne* 5525 (GA); 17 Sep 1998, *L. Anderson* 18441 (GA); 24 May 2011, *R. Kral* 91131 (VSC). **DeKalb Co.:** 14 Jun 1980, *J. Allison* 1487 (GA); 20 May 2012, *J. Allison* 14050 (GA). **Dooley Co.:** 29 Apr 1986, *R. Norris* 5090 (VSC); 12 Jun 1986, *R. Norris* 5107 (GA). **Dougherty Co.:** 28 Jun 1947, *R. Thorne* 5016 (GA). **Effingham Co.:** 15 May 1959, *M. Mellinger* 748 (GAS). **Emanuel Co.:** 12 Aug 1995, *R. Kral* 85487 (GA). **Evans Co.:** 9 Jul 1992, *R. Carter* 10100 (VSC). **Glascok Co.:** 22 Jul 2017, *P. Lowe* 41 (VSC). **Glynn Co.:** 26 Apr 1997, *B. Sorrie* 9173 (GA). **Grady Co.:** 7 Oct 1992, *L. Anderson* 14038 (GA); 11 Aug 2006, *L. Anderson* 22211 (GA). **Gwinnett Co.:** 20 Jun 1980, *J. Allison* 1508 (GA); 29 Aug 1989, *M. Owsley* 1086 (GA). **Hancock Co.:** 5 Aug 1979, *R. Kral* 64181 (VSC); 24 Jun 1980, *J. Allison* 1537 (GA); 14 Jun 1983, *W. Duncan* 30875 (GA). **Hart Co.:** 15 Sep 1987, *J. Allison* 2962 (GA). **Heard Co.:** 31

Aug 1985, *J. Allison 2509* (GA). **Jackson Co.:** 14 Jun 1936, *J. Pyron 525a* (GA). **Jasper Co.:** 24 Jul 1987, *J. Allison 2907* (GA). **Jeff Davis Co.:** 30 May 1990, *J. Churchill 90095* (GA). **Johnson Co.:** 31 Aug 1994, *J. Harrison 196* (GA). **Lee Co.:** 12 May 1992, *R. Norris 6446* (GA); 18 Jun 1995, *R. Norris 6643* (GA-2). **Long Co.:** 2 Jun 1992, *Unknown 1529* (GAS). **Long Co.:** *M. Moore 1529* (GA). **Lowndes Co.:** 30 Apr 1994, *C. Wilson 211* (VSC); 16 Jul 1994, *C. Wilson 272* (VSC). **Macon Co.:** 1 Aug 1987, *R. Norris 5413* (GA-2). **Newton Co.:** 15 Jun 1984, *J. Allison 2313* (GA). **Oglethorpe Co.:** 15 Sep 1987, *J. Allison 2955* (GA). **Putnam Co.:** 7 Jul 1986, *J. Allison 2736* (GA). **Rockdale Co.:** 14 May 1948, *A. Cronquist 5182* (GA); 14 Jun 1980, *J. Allison 1491* (GA). **Stephens Co.:** 17 Aug 1980, *J. Allison 1615* (GA); 15 Jul 2010, *T. Govus 1601* (GA). **Sumter Co.:** 9 Jun 1996, *R. Norris 6684* (GA-2); 2 May 1997, *R. Norris 6831* (GA-2); 13 Jun 1999, *R. Norris 7037* (GA). **Telfair Co.:** 20 Jul 2017, *P. Lowe 14* (VSC). **Troup Co.:** 14 Jul 1980, *J. Allison 1592* (GA). **Turner Co.:** 8 Sep 1990, *S. Orzell 14914* (GA). **Upson Co.:** 23 Jul 1987, *J. Allison 2905* (GA). **Walton Co.:** 21 Jun 1936, *J. Pyron 549* (GA). **Washington Co.:** 1 Jul 1987, *J. Allison 2883* (GA).

Rhynchospora glomerata

NORTH AMERICA. UNITED STATES GEORGIA. **Ben Hill Co.:** 19 Aug 1967, *W. Faircloth 4705* (VSC). **Bulloch Co.:** 13 Oct 1975, *D. Drapalik 3258* (GAS-3). **Camden Co.:** 10 Jun 2006, *R. Carter 16814* (VSC). **Carroll Co.:** 1 Jul 1967, *D. Withrow s.n.* (VSC); 12 Jul 1967, *P. Copely s.n.* (VSC). **Clarke Co.:** 29 Jul 1941, *M. Duncan 97* (VSC). **Coffee Co.:** 6 Aug 1998, *R. Carter 14132* (VSC). **Colquitt Co.:** 11 Jul 1966, *W. Faircloth 3453* (VSC); 18 Jul 2013, *R. Carter 21175* (VSC). **Dawson Co.:** 24 Jul 2001, *L. Kruse 01-509* (VSC). **Dougherty Co.:** 3 Aug 2001, *R. Kral 91694* (VSC). **Early Co.:** 19 Jul 2007, *R. Carter 17786* (VSC). **Elbert Co.:** 26 Jul 1950, *W. Duncan 11502* (VSC); 9 Aug 1950, *W. Duncan 11712* (VSC). **Glascok Co.:** 22 Jul 2017, *P. Lowe 32* (VSC). **Gwinnett Co.:** 3 Sep 2006, *P. Hyatt 12083* (VSC). **Hall Co.:** 14 Aug 2004, *P. Hyatt 11762* (VSC). **McDuffie Co.:** 29 Jul 1950, *W. Duncan 11541* (VSC). **Mitchell Co.:** 14 Jul 1992, *R. Kral 81095* (VSC). **Montgomery Co.:** 10 Aug 2017, *P. Lowe 61* (VSC). **Thomas Co.:** 25 Jul 2007, *R. Carter 17835* (VSC); 19 Jul 2011, *R. Carter 20268* (VSC). **Upson Co.:** 9 Sep 2007, *R. Carter 18044* (VSC). **Ware Co.:** 18 Aug 1988, *R. Carter 7320* (VSC).

Rhynchospora gracilentia

NORTH AMERICA. UNITED STATES GEORGIA. **Appling Co.:** 17 Aug 1993, *R. Kral 83138* (GA). **Brantley Co.:** 8 Aug 1988, *R. Carter 7290* (VSC). **Bryan Co.:** 1 Jul 1992, *R. Carter 10013* (GAS). **Bryan Co.:** (VSC); *R. Carter 10014* (VSC). **Camden Co.:** 10 Jun 2006, *R. Carter 16812* (VSC). **Chatham Co.:** 2 Aug 1959, *E. Mellinger 1060* (GAS). **Colquitt Co.:** 18 Jul 2013, *R. Carter 21157* (VSC); *R. Carter 21174* (VSC); 20 Sep 2013, *R. Carter 21399* (VSC). **Evans Co.:** 9 Jul 1992, *R. Carter 10106* (VSC). **Grady Co.:** 5 Sep 2001, *R. Kral 91795* (VSC); 22 Jun 2002, *R. Kral 92790* (VSC); 15 Aug 2003, *R. Kral 94368* (VSC). **Irwin Co.:** 16 Sep 2003, *R. Kral 94481* (VSC). **McIntosh Co.:** 6 Jun 1963, *J. Bozeman 2994* (GAS). **Thomas Co.:** 19 Jul 2011, *R. Carter 20269* (VSC). **Turner Co.:** 19 Jun 1992, *R. Kral 80934* (VSC).

Rhynchospora grayi

NORTH AMERICA. UNITED STATES GEORGIA. **Baker Co.:** 22 May 1947, *R. Thorne 4091* (GA); 5 May 1986, *A. Gholson 11628* (GA); 6 Aug 1992, *K. Kirkman 2438* (GA-2); 7 Jul 1995, *L. Anderson 15678* (GA). **Calhoun Co.:** 15 Jun 1996, *R. Kral 86119* (VSC). **Camden Co.:** 19 May 2006, *R. Carter 16620* (VSC). **Chatham Co.:** 10 Jun 1958, *W. Duncan 20888* (GA). **Chattahoochee Co.:** 6 Aug 2004, *T. Govus 1375* (GA). **Colquitt Co.:** 12 Jul 2007, *R. Carter 17706* (VSC). **Decatur Co.:** 21 Jul 1947, *R. Thorne 5529* (GA); 18 Jun 2010, *R. Carter 19818* (VSC). **Dodge Co.:** 1 Apr 1942, *W. Duncan 5030* (GA). **Dougherty Co.:** 4 Jul 1947, *R. Thorne 5107* (GA). **Evans Co.:** 16 Jun 1992, *R. Carter 9788* (GA); 17 Jun 1992, *R. Carter 9818* (VSC); *R. Carter 9834* (GA). **Grady Co.:** 19 Jun 1996, *R. Kral 86139* (VSC). **Lee Co.:** 17 Sep 1995, *R. Norris 6649* (GA). **Seminole Co.:** 2 May 2012, *R. Carter 20388* (VSC). **Tattnall Co.:** 14 Jul 1994, *R. Kral 83777* (GA). **Taylor Co.:** 23 May 1948, *A. Cronquist 5267* (GA); 9 Aug 1992, *R. Norris 6483* (GA). **Tift Co.:** 10 May 1941, *W. Shepherd 129* (GA). **Turner Co.:** 10 Aug 1991, *R. Norris 6333* (GA). **Worth Co.:** 29 May 1992, *R. Kral 80766* (VSC).

Rhynchospora harperi

NORTH AMERICA. UNITED STATES GEORGIA. **Camden Co.:** 5 Oct 1995, *R. Carter 12834* (VSC); 2 Jul 1996, *R. Carter 13014* (VSC); 9 Jul 1996, *R. Carter 13198* (VSC); *R. Carter 13205* (VSC). **Long Co.:** 3 Nov 1993, *B. Sorrie 7777* (GA).

Rhynchospora harveyi

NORTH AMERICA. UNITED STATES GEORGIA. **Baker Co.:** 26 May 2005, *R. Kral 96456* (VSC). **Bryan Co.:** 1 Jul 1992, *R. Carter 10027* (GA, VSC). **Bulloch Co.:** 7 Oct 1964, *D. Hall s.n.* (GAS); *P. Hooper s.n.* (GAS). **Calhoun Co.:** 10 Jun 1947, *R. Thorne 4587* (GA-2). **Chattahoochee Co.:** 6 Aug 2004, *T. Govus 1376* (GA). **Colquitt Co.:** 26 May 1992, *R. Kral 80621* (VSC). **Decatur Co.:** 17 Jun 1947, *R. Thorne 4764* (GA). **Grady Co.:** 23 Jul 1993, *L. Anderson 14465* (GA). **Jasper Co.:** 11 Nov 1958, *E. Mellinger 2034* (GAS). **Mitchell Co.:** 9 May 2011, *R. Carter 20191* (VSC). **Stephens Co.:** 27 Jun 1936, *J. Pyron 588* (GA). **Thomas Co.:** 26 Jul 1968, *A. Clewell 2793* (GA). **Turner Co.:** 10 Aug 1991, *R. Norris 6348* (GA). **Worth Co.:** 25 Aug 1947, *R. Thorne 6319a* (GA).

Rhynchospora inexpansa

NORTH AMERICA. UNITED STATES GEORGIA. **Atkinson Co.:** 21 Jul 1969, *R. Norris 1248* (VSC). **Bartow Co.:** 18 Jun 1951, *W. Duncan 12567* (GA); 13 Jul 1951, *W. Duncan 12702* (GA); 14 Jul 1951, *W. Duncan 12773* (GA); 1/0/1900, *P. Greear 64402* (GA). **Berrien Co.:** 26 Jun 1988, *R. Carter 6838*

(VSC). **Brantley Co.:** 4 Jul 1988, *R. Carter 6964* (VSC). **Bryan Co.:** 7 Jul 1992, *Unknown 442* (GAS). **Bryan Co.:** 23 Jun 1992, *R. Carter 9902* (GA, VSC); 7 Jul 1992, *T. Zebryk 442* (GA, VSC); 10 Jul 2014, *W. Zomlefer 3635* (GA). **Bulloch Co.:** 23 Jun 1965, *C. Roach s.n.* (GAS); *J. Nutting 86* (GAS); 9 Aug 1974, *D. Drapalik 2985* (GAS); 13 Oct 1975, *D. Drapalik 3257* (GAS-3). **Camden Co.:** 4 Jul 1988, *R. Carter 6946* (VSC); 29 May 2006, *R. Carter 16730* (VSC). **Candler Co.:** 2 Aug 1965, *Fordham s.n.* (GAS); *W. Tanner 299* (GAS). **Candler Co.:** 4 Jul 1936, *J. Pyron 692* (GA). **Chatham Co.:** 15 Jun 1958, *W. Duncan 21028* (GAS); 10 Jul 1958, *W. Duncan 21227* (GAS); 21 Jun 1959, *M. Mellinger 882* (GAS). **Chatham Co.:** 10 Jul 1958, *W. Duncan 21227* (GA). **Clinch Co.:** 4 Jul 1969, *R. Norris 1187* (VSC). **Coffee Co.:** 6 Aug 1998, *R. Carter 14133* (VSC). **Colquitt Co.:** 10 Aug 1965, *W. Faircloth 2679* (VSC); 3 Aug 1991, *S. Orzell 17407* (GA); 23 Aug 2000, *R. Kral 90199* (GA); 20 Jun 2013, *R. Carter 21029* (VSC). **Cook Co.:** 26 Jun 1988, *R. Carter 6818* (VSC); *R. Carter 6823* (VSC). **Decatur Co.:** 12 Jul 1980, *R. Godfrey 77952* (GA). **Early Co.:** 11 Aug 1947, *R. Thorne 5996* (GA). **Echols Co.:** 4 Jul 1994, *R. Kral 83639* (GA). **Glascocock Co.:** 22 Jul 2017, *P. Lowe 45* (VSC). **Glynn Co.:** 3 Aug 1993, *C. Nordman s.n.* (GA). **Irwin Co.:** 28 Jul 1994, *R. Kral 83945* (GA); 26 Jun 2009, *B. Sanderson 352* (VSC); 18 Sep 2009, *B. Sanderson 522* (VSC). **Jeff Davis Co.:** 24 Jun 2000, *H. Holland 561* (GA); 11 Sep 2013, *R. Carter 21357* (VSC). **Jenkins Co.:** 8 Jul 1901, *A. Curtiss 6835* (GA). **Lanier Co.:** 29 Jun 1965, *W. Faircloth 1926* (GA, VSC). **Laurens Co.:** 1 Oct 2004, *P. Hyatt 11773* (VSC). **Long Co.:** 6 Oct 1962, *J. Bozeman 2031* (GA). **Lowndes Co.:** 10 Jul 1976, *M. Norsworthy 405* (GA, VSC); 12 Jun 1994, *J. Lusk 101* (VSC-2). **Marion Co.:** 9 Sep 1990, *S. Orzell 15091* (GA). **McIntosh Co.:** 21 Jun 1959, *W. Harmer 682* (GA); 16 Aug 1959, *W. Harmer 833* (GA); 7 Jul 1962, *J. Bozeman 858* (GAS); 7 Oct 1962, *J. Bozeman 2390* (GA). **Montgomery Co.:** 10 Aug 2017, *P. Lowe 67* (VSC). **Sumter Co.:** 31 May 1990, *R. Norris 6059* (GA-2); 25 Jul 1991, *R. Norris 6326* (GA). **Taylor Co.:** 7 Jul 1990, *R. Norris 6102* (GA-2); 9 Sep 1990, *S. Orzell 15049* (GA). **Turner Co.:** 16 Jul 1990, *R. Norris 6107* (GA, VSC); 10 Aug 1991, *R. Norris 6335* (GA). **Ware Co.:** 23 Jul 2010, *R. Carter 19897a* (VSC). **Wayne Co.:** 21 Jul 1993, *K. Tassin s.n.* (GA). **Webster Co.:** 23 Jun 1993, *R. Kral 82662* (GA).

Rhynchospora inundata

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 8 Jul 1986, *R. Norris 5140* (GA); 28 Jul 1992, *K. Kirkman 2410* (GA). **Bryan Co.:** 27 May 1992, *Unknown 287* (GAS). **Bryan Co.:** *T. Zebryk 287* (VSC); 23 Jun 1992, *R. Carter 9889* (VSC). **Bulloch Co.:** 13 Oct 1975, *D. Drapalik 3260* (GAS-5-4, GAS). **Burke Co.:** 4 Jun 1980, *R. Kral 65328* (VSC). **Charlton Co.:** 26 May 1984, *C. White s.n.* (VSC). **Echols Co.:** 9 Jul 1991, *R. Carter 8824* (VSC). **Lowndes Co.:** 16 Jul 1994, *C. Wilson 275* (VSC). **Miller Co.:** 8 Jul 1998, *M. Owsley 1809* (GA). **Sumter Co.:** 3 Jul 2000, *R. Norris s.n.* (GA). **Thomas Co.:** 10 Jul 2013, *R. Carter 21105* (VSC). **Ware Co.:** 30 Aug 1978, *S. Jones 23007* (GA); 12 Jun 1979, *J. Loew 828* (GA); 10 Jul 1979, *S. Jones 23320* (GA).

Rhynchospora latifolia

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 4 Jun 1992, *K. Kirkman 2216* (GA). **Berrien Co.:** 12 Jul 1965, *W. Faircloth 2171* (GA, VSC). **Bulloch Co.:** 10 Jul 1998, *B. Johnson 64* (GAS); 22 Jun 1999, *S. Bruckmair 60* (GAS). **Bulloch Co.:** 19 May 1962, *T. Pullen 359* (GA). **Calhoun Co.:** 16 Jun 1994, *P. Sheridan 1699* (GA); 6 Aug 2009, *R. Carter 19318* (VSC). **Camden Co.:** 10 Jun 2006, *R. Carter 16816* (VSC). **Charlton Co.:** 21 May 1963, *C. Sands s.n.* (VSC); 31 Aug 1978, *S. Jones 23020* (GA); 14 Aug 1985, *R. Brooks 17828* (GA); 5 Jun 1990, *S. Orzell 13808* (GA). **Coffee Co.:** 2 Jun 1949, *W. Duncan 9624* (GA, VSC). **Colquitt Co.:** 11 Jul 1966, *W. Faircloth 3391* (GA, VSC). **Cook Co.:** 24 Aug 1966, *W. Faircloth 4041* (GA, VSC). **Irwin Co.:** 22 Apr 1962, *T. Pullen s.n.* (GA). **Jeff Davis Co.:** 20 Aug 1972, *M. Norsworthy 168* (VSC). **Liberty Co.:** 13 May 1992, *Unknown 1501* (GAS). **Liberty Co.:** *M. Moore 1501* (GA); *M. Moore 4501* (VSC). **Long Co.:** 7 Jun 1970, *W. Duncan 23429* (GA). **Lowndes Co.:** 25 May 1941, *B. Nevins s.n.* (VSC); 27 Jun 1944, (VSC); 19 Apr 1955, *W. Faircloth s.n.* (VSC); 19 May 1962, *W. Faircloth 87* (GA, VSC-2); 19 May 1985, *R. Carter 4100* (GA, VSC); 22 May 1988, *H. Brasell 462* (GA, VSC); *J. Young 204* (GA). **McIntosh Co.:** 24 May 1986, *J. Love 81* (GAS). **McIntosh Co.:** 4 Jun 1962, *J. Bozeman 657* (GA). **Miller Co.:** 14 May 1947, *R. Thorne 3915* (GA). **Tattnall Co.:** 3 Oct 1999, *H. Holland 242* (GA); *S. Bergamo 242* (GA). **Tift Co.:** 3 Aug 1953, *W. Duncan 17069* (GAS). **Tift Co.:** 21 Jul 1966, *W. Faircloth 3696* (GA, VSC); 22 May 2009, *B. Sanderson 214* (VSC). **Ware Co.:** 20 May 1930, *J. Harper 108* (GA); 19 May 1985, *D. Durham 20* (GA, VSC). **Wayne Co.:** 5 Jul 1942, *W. Duncan 5469* (GA).

Rhynchospora leptocarpa

NORTH AMERICA. UNITED STATES GEORGIA. Liberty Co.: 9 Jul 1992, *R. Carter 10114* (VSC). **Thomas Co.:** 16 Jul 2013, *R. Carter 21138* (VSC).

Rhynchospora macra

NORTH AMERICA. UNITED STATES GEORGIA. Turner Co.: 25 Aug 1994, *B. Sorrie 8166* (GA).

Rhynchospora macrostachya

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 14 Jul 1951, *W. Duncan 12728* (GA); 11 Aug 1951, *W. Duncan 12943* (GA, VSC); 18 Sep 1951, *W. Duncan 13159* (GA); 8 Sep 1963, *P. Greear 63350* (GA); 17 Jul 1964, *P. Greear 64284* (GA). **Bryan Co.:** 20 Oct 1992, *T. Zebryk 751* (GA); 14 Jul 2006, *R. Carter 16970* (VSC). **Burke Co.:** 13 Jul 1965, *W. Duncan 22524* (GA). **Camden Co.:** 30 Jun 2006, *R. Carter 16889* (VSC); 22 Sep 2006, *R. Carter 17245* (VSC); 15 Oct 2007, *R. Carter 18244* (VSC-3). **Charlton Co.:** 26 May 1984, *C. White s.n.* (GA); 1 Oct 2004, *P. Hyatt 11784* (VSC). **Chatham Co.:** 5 Aug 1958, *W. Duncan 21416* (GAS). **Chatham Co.:** (GA). **Dougherty Co.:** 1/0/1900, *P. Shelley 46* (GA). **Early Co.:** 29 Aug 1941, *W. Duncan 4041* (GA). **Echols Co.:** 9 Jul 1965, *W. Faircloth 2089* (GA). **Glynn Co.:** 19 Sep 1970, *W. Duncan 23525* (GA); 9 Jul 1972, *W.*

Duncan 23786 (GA); 26 Aug 1988, *R. Carter 7430* (VSC); 21 Sep 1991, *R. Carter 9243* (GA, VSC); 18 Aug 1993, *K. Tassin s.n.* (GA). **Jefferson Co.:** 13 Jul 1965, *W. Duncan 22511* (GA). **Lamar Co.:** 8 Jul 1933, *I. Stuckey s.n.* (GA). **Lanier Co.:** 13 Aug 1963, *W. Duncan 22219* (VSC); 13 Oct 1963, (GA); 25 Oct 1970, *T. Thigpen 221* (VSC); 22 Jul 1994, *C. Wilson 315* (VSC); 20 Aug 1994, *J. Lusk 172* (VSC). **Lee Co.:** 29 Aug 1901, *A. Curtiss 6891* (GA). **McIntosh Co.:** 8 Aug 1988, *R. Carter 7272* (GA, VSC). **Thomas Co.:** 2 Aug 1965, *W. Faircloth 2625* (GA).

Rhynchospora megalocarpa

NORTH AMERICA. UNITED STATES GEORGIA. **Baker Co.:** 30 Oct 1947, *R. Thorne 7441* (GA); 15 Sep 1995, *K. Kirkman 3432* (GA). **Ben Hill Co.:** 9 Oct 1952, *W. Duncan 14330* (GA); 9 Aug 1987, *R. Carter 6077* (VSC). **Bryan Co.:** 15 Jul 1992, *Unknown 466* (GAS). **Bryan Co.:** *T. Zebryk 466* (GA, VSC); 22 Jul 1992, *R. Carter 10227* (GA, VSC). **Bulloch Co.:** 5 Oct 1964, *D. Hall s.n.* (GAS); 2 Jun 1965, *J. Nutting 53* (GAS); 21 Jun 1965, *C. Roach s.n.* (GAS). **Camden Co.:** 27 Sep 2006, *W. Zomlefer 1265* (GA); 15 Jun 2007, *R. Carter 17606* (VSC). **Candler Co.:** 11 Dec 1985, *S. Jones 24747* (GA). **Long Co.:** 5 Jun 1963, *J. Bozeman 2947* (GAS). **Long Co.:** 22 Aug 1947, *R. Thorne 6212* (GA); 25 Jul 1999, *H. Holland 114* (GA). **McIntosh Co.:** 3 Jun 1963, *J. Bozeman 2905* (GA). **Tattnall Co.:** 5 Aug 1965, *W. Tanner 307* (GAS). **Tift Co.:** 10 Sep 1947, *R. Thorne 6591* (GA). **Ware Co.:** 18 Aug 1988, *R. Carter 7337* (GA, VSC).

Rhynchospora microcarpa

NORTH AMERICA. UNITED STATES GEORGIA. **Bacon Co.:** 17 Aug 1993, *R. Kral 83154* (GA). **Baker Co.:** 27 Aug 1955, *R. Thorne 16411* (GAS). **Baker Co.:** 21 Jun 1947, *R. Thorne 4814* (GA); 28 Jul 1992, *K. Kirkman 2390* (GA); *L. Kirkman 2390* (VSC-2). **Brantley Co.:** 20 May 1999, *J. Horn 1942* (GA). **Bryan Co.:** 25 Jun 1992, *R. Carter 9987* (GAS). **Bryan Co.:** (GA, VSC); 16 May 2014, *W. Zomlefer 3463* (GA). **Calhoun Co.:** 25 Jul 2002, *R. Kral 92967* (VSC). **Camden Co.:** 29 Jun 2006, *R. Carter 16865* (VSC). **Decatur Co.:** 17 Jun 1947, *R. Thorne 4761* (GA); 6 Sep 1955, *R. Thorne 17141* (GA); 25 Aug 1982, *N. Coile 3084* (GA); 19 Aug 1993, *R. Kral 83200* (GA); 17 Aug 2000, *R. Kral 90167* (VSC). **Dooly Co.:** 11 Aug 1989, *R. Norris 5827* (GA). **Evans Co.:** 16 Jun 1992, *R. Carter 9756* (GA, VSC). **Grady Co.:** 5 Jun 2012, *L. Anderson 26404* (GA). **Jasper Co.:** 25 May 2012, *S. Sewell 362* (GA, VSC). **Jeff Davis Co.:** 11 Sep 2013, *R. Carter 21358* (VSC). **Lanier Co.:** 26 Jun 1993, *R. Kral 82736* (GA). **Lee Co.:** 19 Aug 1977, *R. Kral 60818* (VSC). **McIntosh Co.:** 24 Jul 1998, *J. Horn 1198* (GA). **Seminole Co.:** 1 Sep 1955, *R. Thorne 16752* (GA); *R. Thorne 16769a* (GA). **Sumter Co.:** 22 Sep 1989, *R. Norris 5927* (GA). **Terrell Co.:** 4 Jun 1987, *R. Norris 5373* (GA). **Worth Co.:** 6 Jun 2006, *R. Kral 97448* (VSC); *R. Kral 97449* (VSC).

Rhynchospora microcephala

NORTH AMERICA. UNITED STATES GEORGIA. **Baker Co.:** 6 Aug 2009, *R. Carter 19299* (VSC). **Berrien Co.:** 29 Jun 1965, *W. Faircloth 1923* (GA, VSC). **Brantley Co.:** 21 Sep 1991, *R. Carter 9212* (GA, VSC). **Camden Co.:** 15 Sep 1995, *R. Carter 12768* (VSC); 16 Sep 1995, *R. Carter 12817* (VSC); 17 Jun 2004, *D. Giannasi 1022* (GA); 12 Sep 2004, *D. Giannasi 1136* (GA); 29 Jun 2006, *R. Carter 16868* (VSC). **Charlton Co.:** 11 Jul 1979, *S. Jones 23332* (GA); 15 Oct 2004, *R. Kral 95792* (VSC). **Cobb Co.:** 11 Jul 2006, *W. Zomlefer 1072* (GA). **Echols Co.:** 6 Sep 1967, *W. Faircloth 4804* (VSC). **Glynn Co.:** 28 Nov 1935, *J. Pyron 153* (GA). **Liberty Co.:** 14 Oct 1992, *Unknown 731* (GAS). **Liberty Co.:** 2 Jul 1992, *R. Carter 10043* (GA, VSC); 14 Oct 1992, *T. Zebryk 731* (GA, VSC). **McIntosh Co.:** 7 Oct 1962, *J. Bozeman 2167* (GAS). **Rabun Co.:** 4 Sep 1946, *W. Duncan 7073* (GA). **Screven Co.:** 15 Jul 1969, *W. Duncan 23341* (GAS). **Screven Co.:** 26 Oct 1952, *W. Duncan 14740* (GA); 15 Jul 1969, *W. Duncan 23341* (GA, VSC). **Ware Co.:** 3 Aug 1980, *J. Loew 1783* (GA-2). **Wayne Co.:** 28 Jul 1993, *K. Tassin s.n.* (GA).

Rhynchospora miliacea

NORTH AMERICA. UNITED STATES GEORGIA. **Bryan Co.:** 10 Jul 2014, *W. Zomlefer 3681* (GA). **Burke Co.:** 25 Jul 1967, *J. Logue 2049* (VSC). **Camden Co.:** 4 Jul 1988, *R. Carter 6926* (VSC); 26 Aug 1990, *G. Krakow 976* (GA); 30 Aug 1996, *R. Carter 13622* (VSC); 19 May 2006, *R. Carter 16646* (VSC); 17 Apr 2009, *T. Govus 1541* (GA). **Clay Co.:** 19 May 2006, *R. Kral 97398* (VSC). **Crisp Co.:** 2 Sep 1989, *R. Norris 5879* (GA). **Decatur Co.:** 18 Sep 1990, *J. Allison 4846* (GA); 11 May 2001, *R. Kral 91074* (VSC); 14 Aug 2009, *R. Carter 19377* (VSC). **Early Co.:** 11 Jun 2010, *P. Lynch 73* (VSC); 5 Sep 2010, *M. Medley s.n.* (VSC). **Echols Co.:** 15 Jul 1965, *W. Faircloth 2275* (GA, VSC). **Evans Co.:** 10 Jun 1992, *Unknown 371* (GAS). **Evans Co.:** *T. Zebryk 371* (GA, VSC). **Glynn Co.:** 1 Jul 1992, *C. Nordman s.n.* (GA); 13 Oct 1992, (GA); 3 Aug 1993, *K. Tassin s.n.* (GA). **Grady Co.:** 7 Aug 1987, *R. Carter 6021* (GA, VSC). **Miller Co.:** 10 Sep 2013, *R. Carter 21321* (VSC). **Sumter Co.:** 5 Aug 1953, *W. Duncan 17156* (GA-2). **Unknown Co.:** 21 Jun 1959, *M. Mellinger 895* (GAS).

Rhynchospora mixta

NORTH AMERICA. UNITED STATES GEORGIA. **Brooks Co.:** 1 Jul 1965, *W. Faircloth 1985* (VSC). **Camden Co.:** 30 Aug 1996, *R. Carter 13624* (VSC). **Chatham Co.:** 12 Jun 2012, *W. Zomlefer 2727* (GA). **Decatur Co.:** 11 May 2001, *R. Kral 91073* (VSC). **Dougherty Co.:** 30 May 1992, *R. Kral 80801* (GA). **Echols Co.:** 15 Jul 1965, *W. Faircloth 2263* (VSC). **Lee Co.:** 11 May 1940, *W. Duncan 2334* (GA). **Long Co.:** 6 Oct 1962, *J. Bozeman 1872B* (GAS).

Rhynchospora nitens

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 3 Aug 1992, *L. Kirkman 2428* (VSC-2); 15 Aug 2000, *R. Kral 90144* (VSC); 21 Aug 2009, *R. Carter 19449* (VSC). **Brantley Co.:** 12 Oct 1996, *R. Carter 13929* (VSC). **Camden Co.:** 22 Sep 2006, *R. Carter 17275* (VSC); 27 Oct 2006, *R. Carter 17360* (VSC). **Charlton Co.:** 1 Oct 2004, *P. Hyatt 11780* (VSC). **Decatur Co.:** 15 Oct 2013, *R. Carter 21455* (VSC). **Dougherty Co.:** 3 Aug 2001, *R. Kral 91708* (VSC). **Jenkins Co.:** 8 Aug 1975, *R. Kral 56256* (VSC). **Long Co.:** 6 Oct 1962, *J. Bozeman 2086* (GAS). **Lowndes Co.:** 6 Sep 1968, *R. Norris 1098* (VSC); 23 Aug 1987, *R. Carter 6186* (VSC). **Tift Co.:** 2 Aug 2007, *R. Carter 17892* (VSC).

Rhynchospora odorata

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 6 Aug 1995, *R. Carter 12893* (VSC); 20 Jul 2006, *R. Carter 17021* (VSC). **Jasper Co.:** 25 May 2012, *S. Sewell 366* (GA); 15 Jun 2013, *S. Sewell 1528* (GA).

Rhynchospora perplexa

NORTH AMERICA. UNITED STATES GEORGIA. Appling Co.: 17 Aug 1993, *R. Kral 83130* (GA-2). **Bartow Co.:** 19 Jun 1951, *W. Duncan 12586* (VSC). **Berrien Co.:** 26 Jun 1988, *R. Carter 6839* (VSC); 27 May 1992, *R. Kral 80705* (VSC). **Bryan Co.:** 18 Jun 1992, *R. Carter 9845* (GAS). **Bryan Co.:** (VSC). **Burke Co.:** 4 Jun 1980, *R. Kral 65330* (VSC). **Calhoun Co.:** 6 Aug 2009, *R. Carter 19328* (VSC); 19 Aug 2009, *R. Carter 19384* (VSC). **Clay Co.:** 19 May 2006, *R. Kral 97406* (VSC). **Decatur Co.:** 24 May 2001, *R. Kral 91130* (VSC); 18 Jun 2010, *R. Carter 19822* (VSC); *R. Carter 19823* (VSC). **Lowndes Co.:** 23 Aug 1987, *R. Carter 6156* (VSC). **McIntosh Co.:** 20 Oct 1987, *J. Angerman s.n.* (VSC). **Miller Co.:** 12 May 2012, *R. Carter 20395* (VSC). **Tattnall Co.:** 4 Aug 1965, *C. Roach s.n.* (GAS); 5 Aug 1965, *M. Fordham s.n.* (GAS); *W. Tanner 309* (GAS). **Terrell Co.:** 19 Aug 2009, *R. Carter 19415* (VSC). **Thomas Co.:** 31 May 2005, *R. Kral 96537* (VSC); *R. Kral 96546* (VSC). **Tift Co.:** 19 Jun 1992, *R. Kral 80895* (VSC). **Worth Co.:** 6 Jun 2006, *R. Kral 97487* (VSC); 7 Jul 2010, *R. Carter 19856* (GA, VSC).

Rhynchospora plumosa

NORTH AMERICA. UNITED STATES GEORGIA. Brooks Co.: 8 Jul 1966, *W. Faircloth 3333* (VSC). **Bulloch Co.:** 7 Oct 1964, *J. Spooner 94* (GAS); 9 Oct 1964, *D. Hall s.n.* (GAS); *P. Hooper s.n.* (GAS). **Camden Co.:** 16 Sep 1995, *R. Carter 12180* (VSC); 9 Jul 1996, *R. Carter 13189* (VSC). **Lanier Co.:** 30 Apr 1994, *C. Wilson 161* (VSC); 21 Aug 1994, *J. Lusk 196* (VSC). **Liberty Co.:** 24 Jun 1992, *R. Carter 9910* (VSC); *R. Carter 9917* (VSC). **Long Co.:** 2 Jun 1992, *Unknown 352* (GAS). **Long Co.:** *T. Zebryk 352* (VSC). **Lowndes Co.:** 10 Jul 1968, *W. Faircloth 5278* (VSC); 7 May 1970, *W. Faircloth 6663* (VSC). **McIntosh Co.:** 30 Jun 1956, *W. Duncan 20225* (GAS). **McIntosh Co.:** (VSC). **Mitchell Co.:** 5 Sep 2011, *R. Carter 20190* (VSC). **Thomas Co.:** 29 May 2013, *R. Carter 20901* (VSC). **Turner Co.:** 13 May 1970, *W. Faircloth 6683* (VSC); 3 May 1976, *R. Kral 57779* (VSC).

Rhynchospora punctata

NORTH AMERICA. UNITED STATES GEORGIA. Chatham Co.: 10 Jun 1958, *W. Duncan 20888* (GAS). **Coffee Co.:** 28 May 2015, *R. Carter 22344* (GAS). **Crisp Co.:** 23 Jun 1993, *R. Kral 82656* (VSC).

Rhynchospora pusilla

NORTH AMERICA. UNITED STATES GEORGIA. Atkinson Co.: 26 Jul 1969, *R. Norris 1252* (VSC); 3 Aug 1969, *R. Norris 1291* (VSC). **Bacon Co.:** 17 Aug 1993, *R. Kral 83147* (GA). **Baker Co.:** 23 Jun 1947, *R. Thorne 4877* (GA). **Bulloch Co.:** 5 Jul 1936, *J. Pyron 650* (GA). **Charlton Co.:** 5 Jun 1990, *S. Orzell 13804* (GA). **Clinch Co.:** 12 Jul 1969, *R. Norris 1203* (VSC). **Coffee Co.:** 12 Oct 2007, *R. Carter 18172* (VSC); 2 Aug 2013, *R. Carter 21256* (VSC). **Crisp Co.:** 23 Jun 1993, *R. Kral 82647* (GA). **DeKalb Co.:** 14 Jun 1980, *J. Allison 1488* (GA). **Echols Co.:** 4 Jul 1994, *R. Kral 83638* (GA). **Grady Co.:** 8 Aug 2001, *R. Kral 91818* (VSC). **Irwin Co.:** 19 Jun 1992, *R. Kral 80921* (VSC). **Jeff Davis Co.:** 11 Sep 2013, *R. Carter 21354* (VSC). **Liberty Co.:** 23 Jun 1992, *Unknown 407* (GAS). **Liberty Co.:** *T. Zebryk 407* (GA, VSC); 2 Jul 1992, *R. Carter 10048* (GA, VSC). **Miller Co.:** 8 Jul 1947, *R. Thorne 5184* (GA). **Tattnall Co.:** 18 Aug 1991, *S. Orzell 17693* (GA); *S. Orzell 17736* (GA). **Ware Co.:** 4 Oct 2010, *R. Carter 20004* (VSC). **Wilcox Co.:** 29 Jul 1994, *R. Kral 83957* (GA).

Rhynchospora rariflora

NORTH AMERICA. UNITED STATES GEORGIA. Bacon Co.: 25 Jun 1993, *R. Kral 82716* (GA). **Baker Co.:** 21 Jun 1947, *R. Thorne 4855* (GA); 18 May 1992, *K. Kirkman 2139* (GA). **Bartow Co.:** 19 Jun 1951, *W. Duncan 12588* (GA); 23 Jul 1965, *P. Greear 56243* (GA). **Berrien Co.:** 21 May 1988, *R. Carter 6628* (VSC); 27 May 1992, *R. Kral 80711* (GA). **Bulloch Co.:** 23 Jun 1965, *C. Roach s.n.* (GAS); *J. Nutting 92* (GAS); *M. Fordham 38* (GAS); *W. Tanner 70* (GAS). **Burke Co.:** 4 Jun 1980, *R. Kral 65332* (VSC). **Calhoun Co.:** 10 Jun 1947, *R. Thorne 4568* (GA); 26 May 2005, *R. Kral 96480* (VSC). **Camden Co.:** 30 Apr 2006, *R. Carter 16557* (VSC). **Charlton Co.:** 25 May 1999, *J. Nelson 20489* (GA). **Chatham Co.:** 9 Jun 1958, *W. Duncan 2278* (GAS); 13 Jun 1958, *W. Duncan 20989* (GAS). **Chatham Co.:** 9 Jun 1958, *W. Duncan 20851* (GA). **Coffee Co.:** 27 May 1992, *R. Kral 80691* (GA). **Colquitt Co.:** 13 May 2006, *R. Kral 97354* (VSC). **Crisp Co.:** 23 Jun 1993, *R. Kral 82648* (GA). **Dougherty Co.:** 30 May 1992, *R. Kral 80799* (VSC). **Early Co.:** 26 Jun 1947, *R. Thorne 4968* (GA). **Echols Co.:** 9 Jul 1991, *R. Carter 8804* (VSC). **Glynn Co.:** 3 Aug 1993, *K. Tassin s.n.* (GA); 26 Apr 1997, *B. Sorrie 9175* (GA). **Grady Co.:** 6 May 2001, *R. Kral 91052* (VSC); 18 Apr 2006, *R. Kral 97191* (VSC); 6 May 2006, *R. Kral 97330* (VSC). **Gwinnett Co.:** 20 Jun 1980, *J. Allison 1506* (GA). **Heard Co.:** 17 May 1984, *J. Allison 2203* (GA). **Long Co.:** 28 May 1992, *Unknown 312* (GAS). **Long Co.:** *T.*

Zebryk 312 (GA, VSC). **Lowndes Co.:** 30 Apr 1994, C. Wilson 202 (VSC). **McIntosh Co.:** 6 Jun 1963, J. Bozeman 2993 (GAS). **McIntosh Co.:** 7 May 1954, W. Duncan 17873 (GA). **Miller Co.:** 27 May 1947, R. Thorne 4226 (GA). **Sumter Co.:** 22 Sep 1989, R. Norris 5926 (GA). **Tattnall Co.:** 18 Aug 1991, S. Orzell 17680 (GA). **Taylor Co.:** 30 May 1994, P. Sheridan 1589 (GA). **Thomas Co.:** 9 May 2011, R. Carter 20230 (GA, VSC). **Treutlen Co.:** 14 Jul 1994, R. Kral 83800 (GA). **Turner Co.:** 3 May 1976, R. Kral 57773 (GA). **Wheeler Co.:** 19 Aug 1991, S. Orzell 17855 (GA).

Rhynchospora recognita

NORTH AMERICA. UNITED STATES GEORGIA. **Baker Co.:** 2 Jun 1947, R. Thorne 4375 (GA); 18 May 1992, K. Kirkman 2133 (GA-2); 13 Jul 1995, L. Anderson 15716 (GA). **Barrow Co.:** 5 Sep 1980, J. Allison 1641 (GA). **Bartow Co.:** 29 Sep 1963, P. Greear 63381 (GA). **Ben Hill Co.:** 20 Jul 1937, A. McKellar s.n. (GA). **Burke Co.:** 4 Jun 1980, R. Kral 65331 (VSC). **Calhoun Co.:** 24 May 1947, R. Thorne 4180 (GA); 26 May 2005, R. Kral 96481 (VSC). **Chatham Co.:** 9 Jun 1958, W. Duncan 20841 (GA). **Clarke Co.:** 22 Jun 1984, J. Allison 2326 (GA). **Coffee Co.:** 27 May 1992, R. Kral 80690 (GA); 6 Aug 1998, R. Carter 14139 (VSC). **DeKalb Co.:** 21 Jun 1986, J. Allison 2729 (GA); 17 Jun 1992, R. Kral 80857 (GA); R. Kral 80861 (VSC). **Douglas Co.:** 28 Jun 1948, A. Cronquist 5429 (GA); 5 Jun 1949, W. Duncan 9683 (GA); 12 Jul 1980, J. Allison 1549 (GA); 13 Aug 1987, J. Allison 2931 (GA). **Elbert Co.:** 15 Sep 1987, J. Allison 2956 (GA). **Grady Co.:** 6 May 2001, R. Kral 91041 (VSC). **Greene Co.:** 17 Jul 1950, W. Duncan 11346 (GA); 24 Aug 1986, J. Allison 2741 (GA). **Gwinnett Co.:** 21 Jun 1986, J. Allison 2728 (GA). **Harris Co.:** 10 Jun 1972, S. Jones 22074 (GA). **Heard Co.:** 20 Aug 1940, R. McVaugh 5184 (GA); 31 Aug 1985, J. Allison 2512 (GA). **Henry Co.:** 10 Aug 1984, J. Allison 2360 (GA-2). **Jackson Co.:** 14 Jun 1936, J. Pyron 525 (GA). **Jeff Davis Co.:** 17 Aug 1990, R. Norris 6152 (GA). **Johnson Co.:** 4 Jun 1980, R. Kral 65320 (VSC). **McDuffie Co.:** 2 Oct 1949, W. Duncan 10594 (GA). **Miller Co.:** 14 May 1947, R. Thorne 3919 (GA). **Muscogee Co.:** 14 Jul 1980, J. Allison 1589 (GA). **Newton Co.:** 8 Sep 1980, J. Allison 1663 (GA). **Rabun Co.:** 16 Jul 1949, W. Duncan 9943 (GA). **Thomas Co.:** 31 May 2005, R. Kral 96533 (VSC). **White Co.:** 16 Jul 2007, T. Govus 1441 (GA). **Worth Co.:** 28 May 1992, R. Kral 80759 (GA); 29 May 1992, R. Kral 80779 (VSC).

Rhynchospora scirpoides

NORTH AMERICA. UNITED STATES GEORGIA. **Camden Co.:** 13 Aug 1974, J. Sharpe 266 (GA). **Candler Co.:** 2 Aug 1965, C. Roach s.n. (GAS); J. Nutting 305 (GAS); M. Fordham s.n. (GAS); 21 Oct 1968, J. Peabody 117 (GAS). **Chatham Co.:** 1/0/1900, M. Mellinger 1793 (GAS). **Decatur Co.:** 27 Aug 1948, R. Thorne 8621 (GA). **Evans Co.:** 7 Oct 1992, Unknown 722 (GAS). **Evans Co.:** T. Zebryk 722 (GA, VSC). **Irwin Co.:** 25 Aug 2012, R. Carter 20661 (VSC-2). **Richmond Co.:** 23 Jul 1991, M. Moore 1245 (VSC); 28 Aug 1991, M. Moore 1329 (GA, VSC). **Screven Co.:** 15 Jul 1969, W. Duncan 23340 (GAS). **Screven Co.:** 26 Oct 1952, W. Duncan 14743 (GA-2); 15 Jul 1969, W. Duncan 23340 (GA, VSC); 13 Jul 1997, B. Sorrie 9357 (GA). **Seminole Co.:** 1 Sep 1955, R. Thorne 16750 (GA).

Rhynchospora solitaria

NORTH AMERICA. UNITED STATES GEORGIA. **Turner Co.:** 25 Aug 1994, B. Sorrie 8164 (GA); 30 Sep 1994, J. Allison 8637 (GA-2).

Rhynchospora stenophylla

NORTH AMERICA. UNITED STATES GEORGIA. **Crawford Co.:** 8 Sep 1990, S. Orzell 14941 (GA). **Decatur Co.:** 13 Jun 1994, P. Sheridan 1672 (GA). **Talbot Co.:** 9 Sep 1990, S. Orzell 15150 (GA). **Taylor Co.:** 8 Sep 1990, S. Orzell 14997 (GA). **Turner Co.:** 25 Aug 1994, B. Sorrie 8165 (GA). **Worth Co.:** 26 Jul 1998, J. Horn 1282 (GA).

Rhynchospora sulcata

NORTH AMERICA. UNITED STATES GEORGIA. **Baker Co.:** 6 Aug 2009, R. Carter 19301 (GA, VSC). **Decatur Co.:** 15 Oct 2013, R. Carter 21454 (VSC). **Taylor Co.:** 18 Sep 2009, R. Carter 19608 (GA, VSC).

Rhynchospora thornei

NORTH AMERICA. UNITED STATES GEORGIA. **Bartow Co.:** 23 Jun 2010, L. Chafin s.n. (GA). **Floyd Co.:** 4 Jul 1993, J. Allison 7776 (GA); J. Allison 7780 (GA); 25 Aug 1995, J. Allison 8950 (GA); 3 Jul 2012, R. Carter 20495 (VSC).

Rhynchospora torreyana

NORTH AMERICA. UNITED STATES GEORGIA. **Atkinson Co.:** 21 Jul 1969, R. Norris 1261 (VSC). **Baker Co.:** 21 Jun 1947, R. Thorne 4830 (GA). **Berrien Co.:** 17 Aug 1991, S. Orzell 17622 (GA); 27 Oct 1994, B. Sorrie 8280 (GA). **Brooks Co.:** 15 Sep 1969, W. Faircloth 6152 (VSC); 23 Aug 1994, R. Kral 84123 (GA, VSC). **Bryan Co.:** 7 Jul 1992, Unknown 452 (GAS). **Bryan Co.:** 30 Jun 1992, R. Carter 10006 (GA, VSC); R. Carter 10009 (VSC); R. Carter 10010 (VSC); 7 Jul 1992, T. Zebryk 452 (GA, VSC). **Bulloch Co.:** 30 Sep 1964, J. Spooner 18 (GAS); 5 Oct 1964, J. Spooner 91 (GAS); 7 Oct 1964, J. Spooner 105 (GAS). **Chatham Co.:** 17 Jun 1958, E. Mellinger 1346 (GAS). **Cook Co.:** 26 May 1992, R. Kral 80653 (VSC). **Crisp Co.:** 23 Jun 1993, R. Kral 82650 (GA). **Emanuel Co.:** 10 Aug 1995, R. Kral 85442 (GA). **Grady Co.:** 5 Sep 2001, R. Kral 91799 (VSC). **Irwin Co.:** 19 Aug 1991, S. Orzell 17798 (GA). **Liberty Co.:** 23 Jun 1992, Unknown 411 (GAS). **Liberty Co.:** T. Zebryk 411 (GA, VSC). **McIntosh Co.:** 24 Jul 1998, J. Horn 1194 (GA).

Miller Co.: 18 Jul 1947, *R. Thorne 5407* (GA). **Sumter Co.:** 4 Aug 1990, *R. Norris 6130* (GA). **Tattnall Co.:** 18 Aug 1991, *S. Orzell 17700* (GA); *S. Orzell 17741* (GA). **Thomas Co.:** 6 Jun 2004, *R. Kral 95291* (VSC). **Wilcox Co.:** 5 Jun 1980, *R. Kral 65340* (VSC). **Worth Co.:** 6 Jun 2006, *R. Kral 97497* (VSC).

Rhynchospora tracyi

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 29 Aug 1946, *R. Thorne 2017* (GA); 7 Jul 1986, *R. Norris 5127* (GA); 28 Jul 1992, *K. Kirkman 2411* (GA). **Burke Co.:** 25 Jul 1967, *J. Logue 2070* (GAS). **Burke Co.:** (GA-2). **Calhoun Co.:** 14 Jun 1947, *R. Thorne 4666* (GA); 20 Aug 1991, *S. Orzell 17894* (GA); 18 Aug 1996, *R. Kral 86118* (VSC). **Decatur Co.:** 6 Sep 1955, *R. Thorne 17140* (GA). **Dooly Co.:** 10 Aug 1975, *R. Kral 56337* (VSC). **Early Co.:** 19 Jul 2007, *R. Carter 17787* (VSC). **Miller Co.:** 28 Jul 1946, *W. Duncan 6753* (GA). **Mitchell Co.:** 19 Jun 1996, *R. Kral 86130* (VSC). **Terrell Co.:** 19 Aug 2009, *R. Carter 19418* (VSC).

Rhynchospora wrightiana

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 15 Aug 2000, *R. Kral 90146* (VSC). **Bryan Co.:** 1 Jul 1992, *R. Carter 10024* (GA, VSC); 7 Jul 1992, *R. Carter 10070* (GA, VSC). **Camden Co.:** 15 Sep 1995, *R. Carter 12739* (VSC); 16 Sep 1995, *R. Carter 12815* (VSC); 9 Jul 1996, *R. Carter 13181* (VSC). **Charlton Co.:** 3 Aug 1979, *J. Loew 1086* (GA); 11 Aug 1991, *R. Kral 79934* (VSC); 24 Oct 1997, *R. Carter 14089* (VSC); 24 Sep 2013, *R. Carter 21416* (VSC). **Chatham Co.:** 10 Jul 1979, *T. Tatum s.n.* (GA). **Coffee Co.:** 27 May 1992, *R. Kral 80686* (GA). **Effingham Co.:** 11 Jul 1997, *B. Sorrie 9345* (GA). **Long Co.:** 6 Oct 1962, *J. Bozeman 2056* (GA). **McIntosh Co.:** 7 Oct 1962, *J. Bozeman 2226* (GA). **Seminole Co.:** 15 May 1993, *L. Anderson 14314* (GA). **Talbot Co.:** 9 Sep 1990, *S. Orzell 15153* (GA).

Schoenoplectus acutus

NORTH AMERICA. UNITED STATES GEORGIA. Chatham Co.: 12 Dec 1991, *J. Allison 6216* (GA).

Schoenoplectus americanus

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 22 Sep 2006, *R. Carter 17259* (VSC). **Chatham Co.:** 8 Jun 1958, *W. Duncan 20819* (GAS); 18 May 1966, *Higginbotham s.n.* (GAS); *L. Pafford 282* (GAS). **Liberty Co.:** 17 Oct 1989, *R. Crook 229* (GA); 16 Jul 1992, *R. Carter 10195* (VSC). **McIntosh Co.:** 20 Jun 1956, *W. Duncan 20174* (GAS). **McIntosh Co.:** (VSC); 14 Jun 1979, *S. Jones 23254* (GA); 13 Jul 2003, *R. Carter 15014* (VSC). **Tattnall Co.:** 24 Jul 1963, *W. Faircloth 427* (VSC).

Schoenoplectus californicus

NORTH AMERICA. UNITED STATES GEORGIA. Dougherty Co.: 25 Sep 2009, *R. Carter 19655* (VSC). **McIntosh Co.:** 27 Mar 1959, *W. Harmer 487* (GA); 22 Apr 1959, *W. Harmer 533* (GA); 15 Jul 1959, *W. Harmer 776* (GA); 27 Apr 1960, *W. Harmer 1026* (GA); 18 May 1975, *N. Wechsler s.n.* (GA). **Seminole Co.:** 5 Sep 1979, *S. Jones 23625* (GA); 6 Oct 1987, *C. Howel 973* (GA); 3 Oct 1989, *R. Crook 188* (GA); 6 Sep 1990, *M. Moore 1145* (GA); 15 Sep 1999, *S. Bergamo 121* (GA).

Schoenoplectus erectus

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 6 Aug 2009, *R. Carter 19343* (GA). **Decatur Co.:** 8 Sep 1947, *R. Thorne 6536* (GA); 13 Oct 1991, *R. Kral 80042* (GA). **Miller Co.:** 15 Sep 2005, *R. Kral 96798* (GA, VSC). **Terrell Co.:** 19 Aug 2009, *R. Carter 19423* (GA).

Schoenoplectus etuberculatus

NORTH AMERICA. UNITED STATES GEORGIA. Lanier Co.: 28 May 2011, *B. Sanderson 645* (VSC). **Lowndes Co.:** 19 May 1974, *J. LeFiles s.n.* (VSC); 17 Aug 1990, *W. George s.n.* (VSC).

Schoenoplectus hallii

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 9 Jul 1966, *R. Kral 27081* (GA). **Dougherty Co.:** 5 Aug 1946, *R. Thorne 1811* (GA); 9 Sep 1946, *R. Thorne 2277* (GA).

Schoenoplectus pungens

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 3 Nov 1972, *J. Worthington 109* (GA); 22 Apr 1990, *G. Krakow 584* (GA); 25 Nov 1996, *J. Sharpe 473* (GA); 16 Jun 2004, *D. Giannasi 984* (GA); 15 Jun 2007, *R. Carter 17593* (VSC). **Chatham Co.:** 8 Jun 1958, *W. Duncan 20819* (GA); 20 Jul 1979, *T. Tatum s.n.* (GA). **Liberty Co.:** 11 Jun 1984, *S. Jones 24121* (GA); 16 Jul 1992, *R. Carter 10195* (GA). **McIntosh Co.:** 7 May 1954, *W.*

Duncan 17841 (GA); 20 Jun 1956, *W. Duncan 20174* (GA); 30 Jun 1959, *W. Harmer 720* (GA); 18 Jul 1959, *W. Harmer 783* (GA); 3 May 1960, *W. Harmer 1045* (GA); 24 May 1960, *W. Harmer 1065* (GA); 14 Jun 1974, *W. Duncan 29067* (GA); 18 Jul 1982, *K. Davison s.n.* (GA).

Schoenoplectus purshianus

NORTH AMERICA. UNITED STATES GEORGIA. Bartow Co.: 12 Aug 1951, *W. Duncan 12967* (GA, VSC). **Cherokee Co.:** *L. Foote 1990* (GA). **Clarke Co.:** 6 Aug 1941, *M. Duncan 166* (GA). **Dawson Co.:** 28 Sep 1941, *M. Duncan 260* (GA); 30 Sep 1988, *L. Foote s.n.* (GA); 5 Jun 2002, *L. Kruse 02-219* (GA, VSC); 14 Jul 2002, *L. Kruse 02-258* (GA). **DeKalb Co.:** 27 Aug 1978, *J. Allison 535* (GA); 12 Jul 1995, *M. Moore 2275* (GA); *T. Porter s.n.* (GA). **Douglas Co.:** 22 Aug 1950, *H. Venard 2045* (GA). **Habersham Co.:** 25 Jun 1967, *W. Duncan 23062* (GA). **Hall Co.:** 25 Sep 1955, *W. Duncan 19502* (GA); 8 Sep 1980, *J. Manhart 165* (GA, VSC); 14 Aug 2004, *P. Hyatt 11763* (VSC). **Harris Co.:** 25 Aug 1971, *S. Jones 21373* (GA); 19 Oct 1998, *D. Giannasi 1998-72* (GA). **Lumpkin Co.:** 30 Aug 2002, *L. Kruse 02-303* (GA). **Morgan Co.:** 27 Aug 1978, *J. Hill 694* (GA). **Murray Co.:** 12 May 2000, *J. Moore 110* (GA); 26 Aug 2001, *J. Moore 1077* (GA). **Rabun Co.:** 11 Jul 1936, *J. Pyron 802* (GA); 28 Oct 1998, *B. Stiles 1301* (GA). **White Co.:** 18 Jul 1990, *J. Allison 4605* (GA).

Schoenoplectus robustus

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 8 Jul 1996, *R. Carter 13132* (GA). **Chatham Co.:** 17 Jun 1958, *W. Duncan 21121* (GAS-2); 16 May 1959, *M. Mellinger 745* (GAS); 21 Jul 1965, *C. Roach s.n.* (GAS); *Fordham s.n.* (GAS); *J. Nutting 221* (GAS). **Chatham Co.:** 17 Jun 1958, *W. Duncan 21121* (GA); 9 Jul 1958, *W. Duncan 21201* (GA); 3 May 1975, *W. Duncan 29296* (GA). **McIntosh Co.:** 26 Jun 1959, *W. Harmer 703* (GA); 29 Apr 1961, *W. Harmer 1290* (GA); 8 Jun 1970, *W. Duncan 23439* (GA); 14 Jun 1974, *W. Duncan 29062* (GA); 1 May 2000, *A. Beckman 444* (GA); 23 Jul 2009, *L. Chafin s.n.* (GA).

Schoenoplectus tabernaemontani

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 24 May 1969, *W. Duncan 23314* (GA); 22 May 1997, *J. Sharpe 517* (GA); 15 Jun 2007, *R. Carter 17600* (VSC). **Chatham Co.:** 10 Jun 1958, *W. Duncan 109175* (GAS); *W. Duncan 20912* (GAS); 25 Mar 1959, *M. Mellinger 442* (GAS). **Chatham Co.:** 7 Aug 1958, *W. Duncan 21455* (GA); 21 May 1982, *A. Tate s.n.* (GA). **Douglas Co.:** 5 Jun 1949, *W. Duncan 9693* (GA). **Jackson Co.:** 24 Jun 1989, *C. Howel 1747* (GA). **Jasper Co.:** 12 Oct 2012, *S. Sewell 1027* (GA, VSC). **Liberty Co.:** 21 Apr 1984, *N. Coile 3911* (GA); 18 Sep 1984, *S. Jones 24547* (GA). **McIntosh Co.:** 24 Jun 1954, *W. Duncan 18005* (GA, VSC); 15 Apr 1956, *W. Duncan 19964* (GA); 25 May 1956, *W. Duncan 20105* (GA); 20 Jul 1959, *W. Harmer 785* (GA); 30 Apr 1960, *W. Harmer 1041* (GA); 5 May 1977, *N. Mody s.n.* (GA); 14 Jun 1979, *S. Jones 23250* (GA). **Oconee Co.:** 16 Jun 1992, *J. Seward 1283* (GA). **Rabun Co.:** 12 Jul 1950, *W. Duncan 11319* (GA); 14 Jun 1995, *C. Howel 708* (GA); 5 Jul 1996, *B. Stiles 1033* (GA). **White Co.:** 19 Oct 1990, *J. Allison 5010* (GA).

Scirpus atrovirens

NORTH AMERICA. UNITED STATES GEORGIA. Catoosa Co.: 21 Jun 1951, *W. Duncan 12692* (GA). **Cobb Co.:** 21 May 2007, *W. Zomlefer 1667* (GA). **Dade Co.:** 9 Jun 2002, *P. Hyatt 10060* (GA). **Gwinnett Co.:** 17 Jul 1992, *J. Seward 1409* (GA); 24 Jun 2006, *P. Hyatt 12042* (GA, VSC); 8 Jul 2006, *P. Hyatt 12048* (GA). **Morgan Co.:** 25 May 1980, *J. Hill 1361* (GA); 25 Jul 1992, *J. Seward 1455* (GA). **Rabun Co.:** 16 Jul 2010, *T. Govus 1608* (GA). **Walker Co.:** 28 Jun 1982, *N. Coile 2985* (GA).

Scirpus cyperinus

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 15 Aug 1946, *R. Thorne 1916* (GA); 17 Sep 1992, *K. Kirkman 2565* (GA). **Bartow Co.:** 11 Aug 1951, *W. Duncan 12910* (GA); 18 Sep 1951, *W. Duncan 13153* (GA); 6 Aug 1964, *P. Greear 64382* (GA). **Berrien Co.:** 29 Jun 1965, *W. Faircloth 1956* (GA, VSC); 26 Jun 1988, *R. Carter 6844* (VSC). **Bibb Co.:** 4 Oct 1994, *J. Payne s.n.* (GA); 23 Jul 2002, *J. Nelson 22967* (GA); 9 Sep 2002, *L. Gaddy s.n.* (GA); 25 Jul 2008, *W. Zomlefer 2278* (GA). **Brantley Co.:** 8 Aug 1988, *R. Carter 7289* (GA, VSC). **Brooks Co.:** 31 Jul 1976, *T. Baker s.n.* (VSC). **Bulloch Co.:** 23 Oct 1964, *J. Spooner 255* (GAS); *P. Hooper 78* (GAS); *P. Hooper 80* (GAS); *P. Hooper s.n.* (GAS); *R. O'Steen 134* (GAS); 12 Jul 1965, *W. Tanner 130* (GAS). **Butts Co.:** 16 Aug 1987, *C. Howel 583* (GA). **Camden Co.:** 14 Oct 2007, *R. Carter 18200* (VSC). **Candler Co.:** 21 Oct 1968, *J. Peabody 142* (GAS); *P. Sheahan 47* (GAS). **Chatham Co.:** 12 Jul 1958, *W. Duncan 21242* (GAS-2); 1 Oct 1958, *M. Mellinger 918* (GAS); 19 Jun 1959, *M. Mellinger 963* (GAS). **Chatham Co.:** 12 Jul 1958, *W. Duncan 21242* (GA); 14 Jul 2006, *R. Carter 16962* (VSC); 27 Jul 2012, *W. Zomlefer 2800* (GA). **Cherokee Co.:** 4 Oct 1988, *L. Foote s.n.* (GA). **Clarke Co.:** 31 Aug 1947, *A. Cronquist 4631* (GA); 21 Aug 2001, *K. Francl 10* (GA). **Clayton Co.:** 26 Oct 1949, *W. Duncan 10674* (GA). **Cobb Co.:** 3 Sep 1941, *G. Dorsey s.n.* (GA); 26 Aug 2003, *G. Weng 34* (GA); 11 Jul 2006, *W. Zomlefer 1102* (GA). **Colquitt Co.:** 14 Aug 1930, *S. Kilpatrick s.n.* (GA); 10 Aug 1965, *W. Faircloth 2685* (GA, VSC); 26 Jun 1988, *R. Carter 6797* (VSC). **Cook Co.:** 19 Jul 1965, *W. Faircloth 2404* (GA, VSC); 26 Jun 1988, *R. Carter 6837* (VSC). **Dawson Co.:** 7 Sep 2001, *L. Kruse 01-733* (GA). **DeKalb Co.:** 12 Jul 1995, *M. Moore 2281* (GA). **Dougherty Co.:** 1/0/1900, *P. Shelley 25* (GA). **Early Co.:** 29 Aug 1941, *W. Duncan 4022* (GA). **Echols Co.:** 11 Jul 1976, *D. Zeigler s.n.* (VSC); 9 Jul 1991, *R. Carter 8809* (VSC). **Elbert Co.:** 22 Jul 1950, *W. Duncan 11493* (GA); 6 Sep 1977, *N. Coile 1364* (GA). **Evans Co.:** 9 Jul 1992, *R. Carter 10109* (GA, VSC). **Glascock Co.:** 22 Jul 2017, *P. Lowe 35* (VSC). **Grady Co.:** 3 Sep 1964, *W. Faircloth 1514* (GA, VSC). **Gwinnett Co.:** 25 Jul 2004, *P. Hyatt 11742* (VSC); 3 Sep 2006, *P. Hyatt 12082* (GA); 18 Sep 2007, *W. Zomlefer 1983*

(GA). **Hall Co.:** 14 Aug 2004, *P. Hyatt 11758* (VSC); *P. Hyatt 11767* (VSC). **Harris Co.:** 23 Aug 1971, *S. Jones 21174* (GA); 16 Jul 1998, *Crook 486* (GA); 22 Sep 1998, *D. Giannasi 1998-41* (GA). **Hart Co.:** 25 Jul 1979, *W. Credle 1124* (GA). **Irwin Co.:** 3 Sep 2009, *R. Carter 19537* (VSC); 18 Sep 2009, *B. Sanderson 524* (VSC). **Jasper Co.:** 28 Jul 2012, *S. Sewell 595* (GA, VSC). **Jeff Davis Co.:** 24 Jun 2000, *H. Holland 573* (GA). **Jenkins Co.:** 8 Aug 1936, *J. Pyron 963* (GA). **Johnson Co.:** 23 Sep 1996, *J. Harrison 248* (GA). **Jones Co.:** 11 Jul 1970, *R. Campbell 2* (GA). **Lanier Co.:** 18 Jul 1966, *W. Faircloth 3569* (GA, VSC); 18 Jun 2011, *B. Sanderson 736* (VSC). **Lee Co.:** 6 Jun 2006, *R. Kral 97468* (VSC). **Long Co.:** 2 Jun 1992, *Unknown 329* (GAS). **Long Co.:** *T. Zebryk 329* (GA, VSC); 14 Jul 2006, *R. Carter 16977* (VSC). **Lowndes Co.:** 20 Jul 1988, *R. Carter 7101* (GA, VSC). **Lumpkin Co.:** 2 Oct 1955, *W. Duncan 19773* (GA); 25 Aug 2001, *L. Kruse 01-673* (GA). **Macon Co.:** 8 Aug 2013, *W. Zomlefer 3225* (GA). **Madison Co.:** 3 Feb 2007, *A. Ogden 6* (GA). **McDuffie Co.:** 29 Jul 1950, *W. Duncan 11544* (GA). **McIntosh Co.:** 12 Jul 1959, *W. Harmer 764* (GA); 12 Aug 1959, *W. Harmer 825* (GA); 16 Aug 1959, *W. Harmer 827* (GA); 7 Jul 1962, *J. Bozeman 861* (GA); 7 Oct 1962, *J. Bozeman 2397* (GAS); 30 Jun 2011, *D. Floyd 185* (GA). **Meriwether Co.:** 17 May 1974, *W. Faircloth 7617* (VSC). **Mitchell Co.:** 24 Jun 1964, *W. Faircloth 1342* (GA, VSC). **Monroe Co.:** 2 Oct 1988, *C. Howel 1758* (GA). **Montgomery Co.:** 10 Aug 2017, *P. Lowe 72* (VSC). **Morgan Co.:** 30 Sep 1979, *J. Hill 1258* (GA); 20 Sep 1992, *J. Seward 1607* (GA). **Murray Co.:** 26 Sep 1984, *H. DiGioia 283* (GA); 26 Aug 2001, *J. Moore 1080* (GA). **Muscogee Co.:** 5 Jul 1980, *J. Stutts 523* (GA). **Oconee Co.:** 24 Aug 1999, *H. Holland s.n.* (VSC); *R. Liebermann 99-8600-011* (GA). **Oglethorpe Co.:** 25 Sep 1965, *F. Montgomery 237* (GA). **Pickens Co.:** 8 Sep 1988, *S. Jones 25073* (GA). **Rabun Co.:** 4 Sep 1946, *W. Duncan 7053* (GA). **Spalding Co.:** 20 Jul 2005, *M. Czarnota s.n.* (VSC). **Stephens Co.:** 29 Sep 1996, *J. Cruse 1153* (GA). **Sumter Co.:** 5 Aug 1998, *R. Norris 6984* (GA). **Tattnell Co.:** 14 Aug 1985, *R. Brooks 17840* (GA). **Taylor Co.:** 10 Jul 1988, *R. Carter 7017* (VSC); 18 Jun 1994, *P. Sheridan 1714* (GA). **Telfair Co.:** 22 Aug 1992, *D. Guynn 197* (GA). **Twiggs Co.:** 18 Jul 2009, *P. Lynch 412* (GA). **Upson Co.:** 10 Jul 1988, *R. Carter 6979* (VSC); 9 Sep 2007, *R. Carter 18055* (VSC). **Walker Co.:** 18 Aug 1981, *N. Coile 2293* (GA). **Washington Co.:** 26 Mar 2002, *S. Law s.n.* (VSC). **Wayne Co.:** 10 Aug 2005, *R. Carter 16086* (GAS). **Wilcox Co.:** 21 Aug 1950, *R. Wilbur 2707* (GA). **Wilkinson Co.:** 1 Oct 2004, *P. Hyatt 11771* (VSC). **Worth Co.:** 17 Aug 1966, *W. Faircloth 3884* (GA, VSC); 10 Jul 2007, *R. Carter 17665* (VSC).

Scirpus divaricatus

NORTH AMERICA. UNITED STATES GEORGIA. **Bibb Co.:** 1 Jul 1965, *H. Welch s.n.* (GA). **Bryan Co.:** 18 Jun 1992, *R. Carter 9850* (GA, VSC). **Bulloch Co.:** 12 Jul 1965, *M. Fordham s.n.* (GAS). **Calhoun Co.:** 19 May 2006, *R. Kral 97399* (VSC). **Dade Co.:** 9 Jun 2002, *P. Hyatt 10059* (GA). **Decatur Co.:** 20 May 1967, *W. Faircloth 4463* (GA, VSC). **Dougherty Co.:** 28 Jul 1947, *R. Thorne 5700* (GA). **Emanuel Co.:** 12 Aug 1995, *R. Kral 85494* (GA, VSC). **Gordon Co.:** 18 May 1968, *W. Duncan 23132* (GA). **Long Co.:** 10 Jun 1950, *W. Duncan 11097* (GA, VSC). **Screven Co.:** 31 May 1968, *W. Duncan 23141* (GA). **Sumter Co.:** 26 May 1971, *F. Wilson s.n.* (GA). **Wilcox Co.:** 27 Jun 1966, *R. Suttkus 66-3917-7* (GA). **Worth Co.:** 6 Jun 2006, *R. Kral 97492* (VSC).

Scirpus expansus

NORTH AMERICA. UNITED STATES GEORGIA. **Cobb Co.:** 12 Jun 2007, *W. Zomlefer 1722* (GA). **Elbert Co.:** 30 May 1977, *N. Coile 911* (GA). **Gordon Co.:** 20 Jun 1951, *W. Duncan 12608* (GA). **Rabun Co.:** 21 Jul 1946, *W. Duncan 6610* (GA); 12 Jul 1950, *W. Duncan 11318* (GA, VSC); 14 Jun 1995, *B. Stiles 642* (GA); 24 Jul 1996, *Milsted 1086* (GA); 21 May 1998, *B. Stiles 1262* (GA). **Towns Co.:** 14 May 1966, *W. Faircloth 3196* (VSC). **Union Co.:** 30 Jun 2012, *M. Medley 4* (VSC). **White Co.:** 18 Jul 1990, *J. Allison 4632* (GA).

Scirpus georgianus

NORTH AMERICA. UNITED STATES GEORGIA. **Bartow Co.:** 13 Jun 1948, *W. Duncan 8307* (GA); 15 Jul 1951, *W. Duncan 12830* (GA); 11 Jul 1964, *P. Greear 64205* (GA). **Burke Co.:** 10 Apr 1964, *W. Duncan 22240* (GA). **Clarke Co.:** 22 May 1929, *J. Dunnaway s.n.* (GA); 13 Jun 1936, *J. Pyron 513* (GA). **Cobb Co.:** 22 Sep 2001, *J. Cruse-Sanders 122* (GA, VSC); 10 May 2006, *W. Zomlefer 871* (GA); 11 Jul 2006, *W. Zomlefer 1079* (GA). **Douglas Co.:** 5 Jun 1949, *W. Duncan 9679* (GA). **Fulton Co.:** 7 Jun 1947, *Venard 364* (GA). **Greene Co.:** 17 Jul 1950, *W. Duncan 11347* (GA). **Harris Co.:** 10 Jun 1972, *S. Jones 22073* (GA). **Jasper Co.:** 19 May 2012, *S. Sewell 263* (GA); 26 May 2013, *S. Sewell 1523* (GA, VSC). **McDuffie Co.:** 29 Jul 1950, *W. Duncan 11564* (GA). **Monroe Co.:** 3 May 1987, *C. Howel 202* (GA). **Morgan Co.:** 15 Jun 1978, *J. Hill 507* (GA). **Paulding Co.:** 13 Sep 1991, *R. Carter 9122* (GA). **Whitfield Co.:** 21 May 1977, *W. Duncan 30419* (GA). **Wilkes Co.:** 24 May 1970, *C. Fitzgerald 275* (GA); 11 Sep 2014, *L. Chafin s.n.* (GA).

Scirpus lineatus

NORTH AMERICA. UNITED STATES GEORGIA. **Camden Co.:** 4 Jul 1988, *R. Carter 6927* (VSC); 30 Apr 2006, *R. Carter 16596* (VSC); 20 May 2006, *R. Carter 16702* (VSC). **Charlton Co.:** 14 Apr 1940, *W. Duncan 1976B* (GA). **Chatham Co.:** 23 Apr 1958, *E. Mellinger 1347* (GAS). **Houston Co.:** 7 Apr 2012, *B. Sorrie 12906* (GA).

Scirpus pendulus

NORTH AMERICA. UNITED STATES GEORGIA. **Candler Co.:** 23 Jul 1998, *J. Chase 54A* (GAS). **Catoosa Co.:** 19 May 1951, *W. Duncan 12425* (GA). **Dade Co.:** 9 Jun 2002, *P. Hyatt 10059* (VSC). **Emanuel Co.:** 23 Jul 1998, *J. Chase 54B* (GAS). **Floyd Co.:** 16 May 1936, *H. Jones s.n.* (GA). **Glynn Co.:** 16 Apr 1961, *D. Newton 98* (GAS). **McIntosh Co.:** 15 Apr 1961, *T. Lord 103* (GAS). **Walker Co.:** 24 May 2013, *A. Prater s.n.* (GA).

Scirpus polyphyllus

NORTH AMERICA. UNITED STATES GEORGIA. **Butts Co.:** 4 Jul 1988, *C. Howel 1533* (GA). **Catoosa Co.:** 16 Jun 2012, *J. Shaw s.n.* (GA). **Cherokee Co.:** 13 Jun 1948, *W. Duncan 8325* (GA). **Clarke Co.:** 18 Jun 1941, *M. Duncan 54* (GA); 23 Sep 1941, *M. Duncan 250* (GA). **Cobb Co.:** 7 Sep 1947, *Venard 502* (GA). **Dawson Co.:** 28 Jul 1955, *W. Duncan 19252* (GA); 20 Oct 1955, *W. Duncan 19709* (GA); 30 Aug 2002, *L. Kruse 02-299* (GA); 1/0/1900, *L. Kruse 01-339* (GA). **DeKalb Co.:** 20 Jun 1995, *M. Moore 2234* (GA). **Elbert Co.:** 30 Jun 1980, *W. Credle 2939* (GA). **Fannin Co.:** 27 Jun 1983, *N. Coile 3702* (GA). **Floyd Co.:** 23 Jun 2001, *R. Ware 497* (GA). **Forsyth Co.:** 4 Jul 1955, *W. Duncan 19085* (GA); 18 Aug 1955, *W. Duncan 19574* (GA). **Gilmer Co.:** 21 Aug 1963, *W. Duncan 22137* (GAS). **Gilmer Co.:** (GA). **Greene Co.:** 13 Aug 1939, *W. Duncan 1582* (GA). **Gwinnett Co.:** 24 Jul 2007, *W. Zomlefer 1843* (GA). **Hall Co.:** 19 Jul 1955, *W. Duncan 19137* (GA). **Jones Co.:** 14 Aug 1999, *Sweeney 924* (GA). **Lumpkin Co.:** 2 Oct 1955, *W. Duncan 19776* (GA); 8 Jul 2001, *L. Kruse 01-383* (GA); 20 Jul 2001, *L. Kruse 01-441* (GA). **Murray Co.:** 29 Aug 1979, *S. Jones 23470* (GA); *S. Jones 23497* (GA); 27 Aug 1997, *T. Govus 866* (GA); 21 Jul 2001, *M. Moore 831* (GA); 8 Sep 2001, *J. Moore 1103* (GA). **Rabun Co.:** 3 Jul 1911, *J. Reade s.n.* (GA); 7 Jul 1936, *J. Whitney s.n.* (GA); 8 Jul 1993, *B. Stiles 575* (GA); 22 Jun 1995, *Milsted 163* (GA); 22 Sep 1995, *Milsted 277* (GA); 22 Oct 1995, *Milsted 570* (GA); 27 Jun 1996, *Milsted 916* (GA); 5 Jul 1996, *Milsted 943* (GA); 24 Jul 1996, *Milsted 1114* (GA); 5 Nov 1997, *B. Stiles 1209* (GA); 9 Sep 1999, *B. Stiles 1342* (GA). **Union Co.:** 2 Aug 1930, *I. Stuckey s.n.* (GA). **Walker Co.:** 2 Jul 2015, *A. Prater s.n.* (GA). **White Co.:** 1 Aug 1965, *D. Pittillo 2814* (GA); 20 Aug 1970, *S. Jones 19993* (GA); 17 Jul 1990, *J. Allison 4601* (GA).

Scleria baldwinii

NORTH AMERICA. UNITED STATES GEORGIA. **Bacon Co.:** 25 Jun 1993, *R. Kral 82721* (GA, VSC). **Bryan Co.:** 1 Jul 1992, *R. Carter 10016* (GAS). **Bryan Co.:** (GA, VSC). **Bulloch Co.:** 5 Jul 1936, *J. Pyron 646* (GA). **Calhoun Co.:** 14 Jun 1947, *R. Thorne 4712* (GA); 15 Jun 1996, *R. Kral 86112* (VSC); 10 Jul 1997, *M. Owsley 1637* (GA). **Camden Co.:** 10 Jun 2006, *R. Carter 16813* (VSC). **Colquitt Co.:** 28 Jun 2006, *R. Kral 97509* (VSC). **Dougherty Co.:** 10 Jun 1947, *R. Thorne 4548* (GA). **Grady Co.:** 25 May 1993, *L. Anderson 14346* (GA).

Scleria ciliata

NORTH AMERICA. UNITED STATES GEORGIA. **Baker Co.:** 23 Apr 1947, *R. Thorne 3227* (GA). **Brooks Co.:** 8 Jul 1966, *W. Faircloth 3332* (GA). **Bryan Co.:** 30 Jun 1992, *R. Carter 9992* (GA). **Calhoun Co.:** 14 Jun 1947, *R. Thorne 4714* (GA). **Candler Co.:** 4 Jul 1936, *J. Pyron 742* (GA). **Carroll Co.:** 16 May 1984, *J. Allison 2183* (GA). **Charlton Co.:** 1 Oct 2004, *P. Hyatt 11785* (GA). **Chatham Co.:** 10 Jun 1958, *W. Duncan 10889* (GAS); *W. Duncan 20889* (GAS); 15 Jun 1958, *W. Duncan 21049* (GAS-2); 8 Nov 1958, *M. Mellinger 908* (GAS); 28 Apr 1959, *M. Mellinger 886* (GAS); 12 Jun 1959, *M. Mellinger 475* (GAS). **Chatham Co.:** 10 Jun 1958, *W. Duncan 20889* (GA); 15 Jun 1958, *W. Duncan 21049* (GA). **Colquitt Co.:** 4 Aug 1953, *W. Duncan 17123* (GA); 20 Jun 2013, *R. Carter 21042* (VSC). **Cook Co.:** 22 May 1992, *V. McNeilus 92-305* (GA). **Dougherty Co.:** 30 Jun 1937, *A. McKellar s.n.* (GA). **Douglas Co.:** 30 May 1937, *J. Pyron 1724* (GA). **Evans Co.:** 17 Jun 1992, *R. Carter 9836* (GA). **Fannin Co.:** 21 Jun 2005, *T. Govus 1356* (GA). **Hall Co.:** 17 Jun 1955, *W. Duncan 18869B* (GA). **Lee Co.:** 12 May 1992, *R. Norris 6444* (GA). **Liberty Co.:** 23 Jun 1992, *Unknown 1559* (GAS). **Liberty Co.:** *M. Moore 1559* (GA). **Macon Co.:** 9 Jun 1936, *J. Pyron 490* (GA). **McIntosh Co.:** 30 Jun 1956, *W. Duncan 20224* (GAS). **McIntosh Co.:** (GA). **Seminole Co.:** 15 May 1993, *L. Anderson 14312* (GA). **Sumter Co.:** 28 Jun 1989, *R. Norris 5764* (GA). **Wilkes Co.:** 19 May 1929, *J. Dunnaway s.n.* (GA). **Worth Co.:** 29 Aug 1992, *S. Orzell 20552* (GA); *S. Orzell 20553* (GA).

Scleria distans

NORTH AMERICA. UNITED STATES GEORGIA. **Brooks Co.:** 2 Sep 1967, *R. Norris 943* (VSC). **Colquitt Co.:** 12 Jul 1966, *W. Faircloth 3416* (VSC); 11 Jul 2007, *R. Carter 17703* (VSC); 20 Jun 2013, *R. Carter 21041* (VSC).

Scleria georgiana

NORTH AMERICA. UNITED STATES GEORGIA. **Bacon Co.:** 25 Jun 1993, *R. Kral 82720* (VSC). **Baker Co.:** 8 Jul 1986, *R. Norris 5139* (GA). **Berrien Co.:** 17 Aug 1991, *S. Orzell 17602* (GA). **Calhoun Co.:** 14 Jun 1947, *R. Thorne 4687* (GA). **Camden Co.:** 30 Aug 1996, *R. Carter 13634* (GA, VSC). **Dougherty Co.:** 17 May 1947, *R. Thorne 3991* (GA); 7 Aug 2007, *R. Carter 17910* (VSC). **Lanier Co.:** 23 May 1992, *V. McNeilus 92-327* (GA, VSC). **Lee Co.:** 15 Sep 1989, *R. Norris 5913* (GA). **McIntosh Co.:** 6 Jun 1963, *J. Bozeman 2963* (GAS). **Miller Co.:** 8 Jul 1947, *R. Thorne 5191* (GA); 12 May 2012, *R. Carter 20400* (VSC). **Pierce Co.:** 27 Jul 1967, *J. Logue 2128* (GAS). **Pierce Co.:** (VSC); 7 Jun 2011, *R. Carter 20253* (GA); 7 Jul 2011, *R. Carter 20235* (VSC). **Sumter Co.:** 28 Jun 1977, *R. Kral 60510* (VSC). **Worth Co.:** 7 Jul 2010, *R. Carter 19851* (GA, VSC).

Scleria hirtella

NORTH AMERICA. UNITED STATES GEORGIA. **Bulloch Co.:** 5 Jul 1936, *J. Pyron 662* (GA). **Camden Co.:** 23 Aug 1994, *B. Sorrie 8141* (GA). **Colquitt Co.:** 12 Jul 1966, *W. Faircloth 3416* (GA). **Grady Co.:** 25 May 1993, *L. Anderson 14353* (GA). **McIntosh Co.:** 6 Jun 1963, *J. Bozeman 2981* (GAS). **Worth Co.:** 25 Aug 1947, *R. Thorne 6335* (GA).

Scleria muehlenbergii

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 22 Sep 2006, *R. Carter 17247* (VSC); *R. Carter 17273* (VSC). **Charlton Co.:** 12 Oct 2006, *R. Carter 17284* (VSC); 27 Oct 2006, *R. Carter 17363* (VSC). **Long Co.:** 6 Oct 1962, *J. Bozeman 1894* (GAS). **Lowndes Co.:** 23 Sep 2009, *R. Carter 19627* (VSC). **McIntosh Co.:** 18 Oct 1956, *W. Duncan 20690* (GAS). **Thomas Co.:** 2 Sep 2009, *R. Carter 19506* (VSC).

Scleria muhlenbergii

NORTH AMERICA. UNITED STATES GEORGIA. Bulloch Co.: 17 Sep 1979, *J. Manhart 10* (GA). **Calhoun Co.:** 6 Aug 2009, *R. Carter 19313* (GA). **Charlton Co.:** 15 Oct 2004, *R. Kral 95796A* (VSC). **Cook Co.:** 21 Sep 1965, *W. Faircloth 3003* (GA); 24 Aug 1966, *W. Faircloth 4044* (GA). **Early Co.:** 6 Oct 1947, *R. Thorne 7064* (GA). **Echols Co.:** 3 Sep 1985, *R. Carter 4442* (GA). **Irwin Co.:** 16 Sep 2003, *R. Kral 94500* (VSC). **Liberty Co.:** 26 Aug 1992, *R. Carter 10426* (GA). **Long Co.:** 6 Oct 1962, *J. Bozeman 1950* (GA). **McIntosh Co.:** 18 Oct 1956, *W. Duncan 20690* (GA); 7 Oct 1962, *J. Bozeman 2325* (GA); 4 Oct 1982, *J. Angerman s.n.* (GA). **Rockdale Co.:** 10 Aug 1946, *McDowell 173* (GA). **Tattnall Co.:** 6 Oct 1992, *T. Zebryk 718* (GA). **Worth Co.:** 25 Aug 1947, *R. Thorne 6336* (GA); 24 Aug 1966, *W. Faircloth 3967* (GA).

Scleria oligantha

NORTH AMERICA. UNITED STATES GEORGIA. Camden Co.: 25 Mar 2006, *Carter 16404* (VSC); 30 Apr 2006, *R. Carter 16597* (VSC); 26 Jun 2006, *W. Zomlefer 1025* (GA). **Catoosa Co.:** 22 Jun 1990, *J. Allison 4507* (GA); 10 Aug 2012, *J. Shaw s.n.* (GA). **Chatham Co.:** 15 May 1959, *M. Mellinger 762* (GAS). **Clarke Co.:** 30 May 1931, *J. Dunnaway s.n.* (GA). **Clay Co.:** 9 May 1947, *R. Thorne 3775* (GA). **Columbia Co.:** 11 May 1987, *J. Allison 2845* (GA). **Dawson Co.:** 9 Jul 2001, *L. Kruse 01-386* (GA, VSC); 15 May 2002, *L. Kruse 02-147* (GA). **Decatur Co.:** 17 Jun 1947, *R. Thorne 4743* (GA); 24 Apr 2003, *R. Kral 93949* (VSC). **DeKalb Co.:** 22 May 1948, *G. McDowell 601* (GA). **Elbert Co.:** 25 Apr 1949, *W. Duncan 9413* (GA, VSC); 21 Apr 1977, *N. Coile 542* (GA); 5 Jun 1979, *W. Credle 823* (GA); 10 Jul 1980, *W. Credle 2977* (GA). **Floyd Co.:** 11 Aug 1999, *R. Ware 436* (GA). **Glascock Co.:** 22 Jul 2017, *P. Lowe 30* (VSC). **Hall Co.:** 15 Jun 1955, *W. Duncan 18862* (GA). **Houston Co.:** 26 May 2005, *L. Echols 188* (GA); *L. Echols 195* (GA, VSC); 14 Sep 2010, *P. Lynch s.n.* (GA); 11 Jul 2011, (GA). **Jasper Co.:** 13 May 2004, *L. Kruse 22007* (GA); 19 May 2012, *S. Sewell 308* (GA); 25 May 2012, *S. Sewell 310B* (GA); 2 Jun 2012, *S. Sewell 406* (GA). **Jones Co.:** 23 Jun 1999, *Sweeney 856* (GA); 11 Jul 1999, *Sweeney 964* (GA). **Lee Co.:** 23 Mar 1981, *J. Manhart 198* (GA). **Lumpkin Co.:** 9 Jun 2001, *L. Kruse 01-195* (GA). **McDuffie Co.:** 19 May 1982, *N. Coile 2787* (GA). **Morgan Co.:** 1 Jun 1980, *J. Hill 1369* (GAS). **Morgan Co.:** (GA); *V. Hill 1369* (VSC). **Murray Co.:** 20 May 2000, *J. Moore 190* (GA). **Oconee Co.:** 31 May 1992, *J. Seward 1236* (GA); 12 Jul 1992, *J. Seward 1405* (GA). **Rabun Co.:** 2 Jun 1996, *W. Noel 960602-7* (GA); 17 Jun 1996, *W. Noel 960617-10* (GA). **Sumter Co.:** 12 May 1991, *R. Norris 6296* (GA). **Thomas Co.:** 10 May 2010, *R. Carter 19791* (GA, VSC). **Twiggs Co.:** 4 Jul 1936, *J. Pyron 775* (GA). **Wayne Co.:** 4 Apr 1940, *W. Duncan 2001* (GA). **Webster Co.:** 18 May 2009, *P. Rothrock 4850* (GA). **Wilkes Co.:** 25 Jun 1987, *J. Allison 2873* (GA).

Scleria pauciflora

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 21 Jun 1947, *R. Thorne 4852* (GA). **Bulloch Co.:** 23 Jun 1965, *J. Nutting 89* (GAS); *M. Fordham s.n.* (GAS). **Chatham Co.:** 15 Jun 1958, *W. Duncan 21048* (GAS-2). **Chatham Co.:** (GA). **Cobb Co.:** 23 Jun 1980, *J. Allison 1528* (GA, VSC). **Douglas Co.:** 28 Jun 1948, *A. Cronquist 5433* (GA). **Elbert Co.:** 9 May 1979, *W. Credle 654* (GA); 21 May 1979, *W. Credle 729* (GA); 3 Jul 1979, *W. Credle 1010* (GA). **Evans Co.:** 9 Jul 1992, *R. Carter 10103* (VSC). **Gwinnett Co.:** 20 Jun 1980, *J. Allison 1501* (GA). **Jasper Co.:** 25 May 2012, *S. Sewell 310A* (GA). **Lanier Co.:** 30 Apr 1994, *C. Wilson 175* (GA, VSC). **Lee Co.:** 12 May 1992, *R. Norris 6445* (GA). **Long Co.:** 28 May 1992, *Unknown 305* (GAS). **Long Co.:** *T. Zebryk 305* (GA, VSC). **Newton Co.:** 15 Jun 1984, *J. Allison 2318* (GA). **Putnam Co.:** 5 Jun 1937, *J. Pyron 1822* (GA). **Rockdale Co.:** 26 Jun 1984, *J. Allison 2333* (GA). **Sumter Co.:** 1 Jun 1988, *R. Norris 5517* (GA). **Tattnall Co.:** 18 Aug 1991, *S. Orzell 17688* (GA). **Taylor Co.:** 30 May 1994, *P. Sheridan 1590* (GA). **Thomas Co.:** 3 Jun 2002, *R. Kral 92688* (VSC); 9 May 2011, *R. Carter 20228* (GA). **Turner Co.:** 10 Aug 1991, *R. Norris 6339* (GA). **Unknown Co.:** 1 Jun 1959, *M. Mellinger 464* (GAS); 25 Sep 1960, *M. Mellinger 1681* (GAS). **Walton Co.:** 4 Jul 1984, *J. Allison 2341* (GA). **Ware Co.:** 29 Oct 2005, *R. Kral 97023* (VSC).

Scleria reticularis

NORTH AMERICA. UNITED STATES GEORGIA. Baker Co.: 29 Sep 1995, *K. Kirkman 3445* (GA). **Camden Co.:** 27 Sep 2006, *W. Zomlefer 1284* (GA). **Candler Co.:** 3 Aug 1965, *M. Fordham s.n.* (GAS). **Colquitt Co.:** 3 Aug 1991, *S. Orzell 17371* (GA). **Decatur Co.:** 6 Sep 1955, *R. Thorne 17142* (GA). **Grady Co.:** 7 Oct 1992, *L. Anderson 14047* (GA); 25 May 1993, *L. Anderson 14352* (GA). **Heard Co.:** 10 Oct 1987, *J. Allison 2996* (GA). **Lee Co.:** 8 Sep 1989, *R. Norris 5900* (GA). **Liberty Co.:** 18 Sep 1984, *S. Jones 24623* (GA); 25 Oct 1995, *J. Cruse 942* (GA). **Macon Co.:** 7 Sep 1987, *R. Norris 5448* (GA); 17 Sep 2013, *W. Zomlefer 3279* (GA). **Marion Co.:** 9 Sep 1990, *S. Orzell 15106* (GA). **Seminole Co.:** 1 Sep 1955, *R. Thorne 16770a* (GA). **Talbot Co.:** 9 Sep 1990, *S. Orzell 15142* (GA). **Tattnall Co.:** 6 Oct 1992, *Unknown 718* (GAS). **Ware Co.:** 4 Aug 1993, *K. Williges 100* (GA).

Scleria triglomerata

NORTH AMERICA. UNITED STATES GEORGIA. Appling Co.: 17 Jun 1952, *W. Duncan 13703* (GA). **Bartow Co.:** 19 Jun 1951, *W. Duncan 12576b* (GA, VSC); 14 Jul 1951, *W. Duncan 12760* (GA). **Berrien Co.:** 21 May 1988, *R. Carter 6611* (VSC). **Brantley Co.:** 22 May 1969, *W. Duncan 23253* (GA); 21 Sep 1991, *R. Carter 9195* (VSC). **Brooks Co.:** 8 Jul 1966, *W. Faircloth 3341* (GA); 24 Jul 2013, *R. Carter 21225* (VSC). **Bryan Co.:** 27 May 1992,

Unknown 286 (GAS). **Bryan Co.:** *T. Zebryk* 286 (GA, VSC). **Bulloch Co.:** 29 Apr 1963, *K. Youmons s.n.* (GAS). **Camden Co.:** 24 May 1969, *W. Duncan* 23292 (GA); 19 Jul 1969, *R. Norris* 1214 (VSC); 18 Oct 1972, *J. Worthington* 20 (GA); 7 Sep 1974, *J. Sharpe* 315 (GA); 2 Jul 1996, *R. Carter* 12981 (VSC); 28 Apr 2004, *D. Giannasi* 846 (GA); 15 Jun 2004, *D. Giannasi* 933 (GA); 30 Apr 2006, *R. Carter* 16571 (VSC); 10 Jun 2006, *R. Carter* 16824 (VSC); 16 Jun 2007, *R. Carter* 17624 (VSC). **Charlton Co.:** 2 Nov 1963, *W. Faircloth* 701 (GA, VSC); 25 May 1999, *J. Nelson* 20453 (GA). **Chatham Co.:** 15 Jul 1958, *W. Duncan* 21333 (GAS); 5 Aug 1958, *W. Duncan* 21412 (GAS-2); 28 Apr 1959, *M. Mellinger* 885 (GAS); *M. Mellinger M-124* (GAS). **Chatham Co.:** 15 Jul 1958, *W. Duncan* 21333 (GA); 27 Oct 1972, *W. Duncan* 23839 (GA); 1 Jun 1979, *M. Litland s.n.* (GA); 5 Nov 1997, *T. Govus* 891 (GA); 24 May 2012, *W. Zomlefer* 2664 (GA); 25 May 2012, *W. Zomlefer* 2686 (GA). **Clarke Co.:** 13 Sep 1938, *W. Duncan* 1072B (GA). **Coffee Co.:** 23 Aug 2007, *J. Clay* 134 (VSC). **Dawson Co.:** 1 May 1955, *W. Duncan* 18497 (GA). **Decatur Co.:** 19 Jun 1947, *R. Thorne* 4786 (GA); 5 Jun 1964, *W. Faircloth* 1065 (GA); 16 Apr 2004, *R. Kral* 94939 (VSC). **Dougherty Co.:** 7 May 2010, *R. Carter* 19759 (VSC). **Early Co.:** 3 Jun 1994, *P. Sheridan* 1628 (GA). **Evans Co.:** 16 Jun 1992, *R. Carter* 9799 (GA, VSC). **Floyd Co.:** 3 May 1999, *T. Govus* 1109 (GA); 30 May 1999, *R. Ware* 403 (GA). **Forsyth Co.:** 9 Oct 1955, *W. Duncan* 19853 (GA). **Glynn Co.:** 14 Sep 1982, *W. Duncan* 30742 (GA); 13 Apr 1993, *C. Nordman s.n.* (GA); 30 Apr 2003, *J. Schmidt s.n.* (GA). **Grady Co.:** 17 Aug 1993, *L. Anderson* 14529 (GA); 8 May 2004, *R. Kral* 95104 (VSC). **Hall Co.:** 15 Jun 1955, *W. Duncan* 18862 (VSC). **Lanier Co.:** 16 Apr 1994, *C. Wilson* 166 (GA); 30 Apr 1994, (VSC); 11 Jun 1994, *C. Wilson* 252 (GA, VSC). **Liberty Co.:** 13 Jun 1984, *S. Jones* 24190 (GA). **Lincoln Co.:** 10 Jun 1939, *J. Benedict* 4763 (VSC). **Long Co.:** 2 Jun 1992, *Unknown* 1537 (GAS). **Long Co.:** *M. Moore* 1537 (GA, VSC); 3 May 2000, *H. Holland* 516 (GA). **Lowndes Co.:** 22 Jul 1966, *W. Faircloth* 3727 (GA, VSC); 28 Aug 1994, *R. Carter* 279 (VSC); 29 Aug 1994, *J. Lusk* 302 (VSC). **Macon Co.:** 8 Aug 2013, *W. Zomlefer* 3181 (GA). **McIntosh Co.:** 22 Jun 1956, *W. Duncan* 20180 (GAS). **McIntosh Co.:** 16 Apr 1954, *W. Duncan* 17776 (GA); 22 Jun 1956, *W. Duncan* 20180 (GA, VSC); 15 Oct 1956, *W. Duncan* 20645 (GA); 17 Jul 1982, *K. Davison s.n.* (GA). **Pike Co.:** 16 Jul 1948, *A. Cronquist* 5489 (GA). **Rabun Co.:** 30 Jun 1940, *W. Duncan* 2637 (GA); 16 Jul 1949, *W. Duncan* 9939 (GA, VSC); 24 Sep 1949, *W. Duncan* 10489 (GA). **Richmond Co.:** 24 May 1998, *C. Christy* 3388 (GA). **Stephens Co.:** 27 Jun 1936, *J. Pyron* 584 (GA); 29 Jun 1950, *W. Duncan* 11195 (GA). **Tattnall Co.:** 26 Jul 1963, *W. Faircloth* 428 (VSC). **Thomas Co.:** 27 Apr 2004, *R. Kral* 94988 (VSC); 10 May 2010, *R. Carter* 19796 (GA, VSC). **Tift Co.:** 10 Jun 1964, *W. Faircloth* 1152 (GA, VSC). **Union Co.:** 26 Jul 1988, *J. Young s.n.* (VSC). **Unknown Co.:** 6 May 1959, *M. Mellinger* 884 (GAS). **Walker Co.:** 4 Jun 2014, *A. Prater s.n.* (GA). **Webster Co.:** 18 May 2009, *P. Rothrock* 4849 (GA). **Wheeler Co.:** 19 Sep 1987, *R. Carter* 6379 (VSC).

Scleria verticillata

NORTH AMERICA. UNITED STATES GEORGIA. Calhoun Co.: 20 Aug 1901, *A. Curtiss* 6877 (GA). **Camden Co.:** 14 Oct 2007, *R. Carter* 18195 (VSC). **Clinch Co.:** 4 Sep 1969, *R. Norris* 1385 (VSC). **Early Co.:** 16 Sep 2000, *R. Kral* 90348 (GA). **Grady Co.:** 7 Oct 1992, *L. Anderson* 14026 (GA). **Lee Co.:** 21 Aug 1948, *R. Thorne* 8302 (GA).

Trichophorum caespitosum

NORTH AMERICA. UNITED STATES GEORGIA. Rabun Co.: 26 Jul 1936, *J. Pyron* 893 (GA); 18 May 1947, *W. Duncan* 7550 (GA).

Websteria confervoides

NORTH AMERICA. UNITED STATES GEORGIA. Ware Co.: 30 Nov 1979, *B. Bosserman s.n.* (GA).

CHAPTER II

A MORPHOMETRIC ANALYSIS OF THE *CYPERUS SQUARROSUS*-*GRANITOPHILUS* COMPLEX IN NORTH AMERICA

INTRODUCTION

The granite outcrops of the southeastern United States are characterized by highly exfoliated rock surfaces with little to no soil and communities comprising crustose lichens, mosses, and specialized plants that occur around ephemeral pools and shallow soil pockets formed on the otherwise harsh, inhospitable rock (Burbank & Platt, 1964). These systems give rise to unique plant communities, and their high potential for endemism has attracted the attention of botanists and ecologists. One such endemic is *Cyperus granitophilus* McVaugh, a relative of the generalist *C. squarrosus* L. Both *C. granitophilus* and *C. squarrosus* are small heliophytic annual sedges with the characteristic odor of fenugreek. Both occur in granite outcrop communities. Noticing two strikingly different size classes on the rocky outcrops, McVaugh (1937) postulated that *C. granitophilus* was an undescribed species related to, but distinct from, *C. squarrosus* [as *C. inflexus* Muhlenberg]. McVaugh also highlighted other characters, such as spikelet length and width, scale number, scale length, scale nerve number, and presence of an achene stipe as important morphological characteristics for distinguishing between the two species. Kral (1983) noted the longer anther of *C. granitophilus* as an additional important diagnostic character. Garoni and Murdy (1964) presented evidence that *C. granitophilus* was a polyploid derivative of *C. squarrosus* [as *C. inflexus*] and, based upon this evidence, argued against species rank for *C. granitophilus*. However, the current treatment in the *Flora of North America* (Tucker, Marcks &

Carter, 2002) and Weakley (2015) maintain them as distinct species, distinguished by scale width, nerve number, anther length, and filament length.

The objectives of this research are to critically examine the relationship between *C. squarrosus* and *C. granitophilus* to determine whether they are morphologically distinct, and to evaluate the relationship of an obscure, narrowly endemic taxon from Texas, *C. squarrosus* var. *runyonii* (O'Neill) S.D. Jones & Wipff. Recently, disjunct populations of *C. granitophilus* have been reported from the Llano Uplift of central Texas and the Wichita Mountains and Arbuckle Uplift of Oklahoma (O'Kennon & Taylor, 2015). The Texas, Oklahoma, and southeastern piedmont plants identified as *C. granitophilus* share markedly similar habitats, plant communities, and geology (Taff, 1928). O'Kennon and Taylor (2015) argue that these plants have been consistently misidentified as *C. squarrosus* due to exclusion of *C. granitophilus* from regional floras and suggest that they may represent relictual populations from the cooler and moister Pleistocene conditions. Our preliminary examination of these specimens indicates they lack certain diagnostic features of *C. granitophilus* and are merely robust forms of *C. squarrosus*. Thus, we hypothesize that Texas and Oklahoma populations identified as *C. granitophilus* are more closely related to *C. squarrosus* and should be treated as such.

MATERIALS AND METHODS

We examined 405 specimens from the following herbaria: BRIT, GA, NY, SMU, VDB, TAES, VSC (Thiers, 2018). Three-hundred and twenty-eight had been identified *a posteriori* as *C. squarrosus* and 73 as *C. granitophilus*, including Texas and Oklahoma specimens cited as *C. granitophilus* by O'Kennon and Taylor (2015).

A critical study of the literature and specimens revealed 24 informative characters for analysis (Table 1). Data for each of these characters were taken directly from the specimens and recorded along with label data, current determination, and source herbarium. The specimens used in the statistical analysis are identified in Appendix A with the herbarium abbreviation in bold font. The resulting data

were subjected to correlation principal component analysis (PCA), discriminate analysis (DA), multivariate analysis of variance (MANOVA) and a Euclidian distance dendrogram using Minitab© 17 (2010). The PCA scatter plot, initially grouped by the *a priori* determinations, formed two distinct clouds, and the PCA highlighted variables significant to the variance between the taxa. Our data were then subjected to discriminate analysis to identify specimens that may have been misclassified. These specimens were reexamined and reclassified as needed. These determinations were then checked against MANOVA of all variables with the specimen determination as the model and the variance between the variables was analyzed using ANOVA to examine the relationship of the variances within and among the taxa for a given variable. Ranges, means, and standard deviation for each variable are depicted as box plots with outliers (specimens outside the second standard deviation from the mean) shown.

Electron micrographs were made using a JEOL JSM-6480LV scanning electron microscope. Representative achenes were harvested from specimens and mounted to glass cover slips with double-stick carbon tape on aluminum stubs. The stubs were then imaged on low magnification (x85) using a secondary electron detector. The resulting images were edited for contrast.

To map the distribution of *C. squarrosus* in the United States, data were taken from labels of specimens examined physically and from specimens examined digitally through the SERNEC portal (2018). Specimens examined physically were from BRIT, GA, NY, SMU, VDB, TAES and VSC, and digital data were taken from records in ARIZ, ASC, ASU, BOON, BRY, BUT, CLEMS, CM, COLO, CS, DBG, DES, DUKE, EIU, EKY, EMC, F, FARM, FLAS, FSU, FUGR, GEO, GMUF, GSW, HUNT, HWBA, IBE, ILLS, IND, KNK, LL, LSU, MARY, MCA, MICH, MISS, MISSA, MMNS, MO, MOR, MSUB, MUR, MWI, NCSC, NCU, NMC, NO, SRSC, TENN, TEX, TROY, TTRS, UARK, UCAC, UCR, UNCC, URV, USCH, USCS, USFS, USMS, USU, UT, UTM, UWFP, VPI and WIS (Thiers, 2018). Identifications of all specimens from which data were derived virtually were checked via their associated specimen images (indicated by an asterisk next to the

herbarium code in Appendix A). Maps were generated in ESRI's ArcMap (ESRI, 2011) using county level data from the herbarium records. All base maps were obtained from the United States Geological Survey via the Georgia GIS Clearinghouse.

RESULTS

Results of PCA (Table 2, Figure 1, 2, 3, 4, and 5) support the recognition of *C. granitophilus* as a species distinct from *C. squarrosus*. The eigenvalues indicate principal components (PC) 1, 2, and 3 accounted for 58.9% of the total variance. Characters SCALL, SPKLTW, ANTHL, and ACHST affected variance of PC1 (Figure 6) most while the most impactful variables of PC2 were RAYL, RAYN, BCTL, and ACHW (Figure 7). The most informative characters of PC3 were SCLN, SPKLTL, SPKW and BCTNL (Figure 8). The results of the DA (Table 3) supported the groupings in the PCA (Figure 1) highlighting only seven outlier specimens of *C. squarrosus*, all from tropical regions. The results of the MANOVA (Table 4) showed that the differences across the taxa were significant (p -value < 0.001). The diagnostic character dendrogram also showed separation between the taxa studied (Figure 9, 10, 11 and 112).

The PCA also shows that specimens from Texas and Oklahoma identified as *C. granitophilus* by O'Kennon and Taylor (2015) do not group with *C. granitophilus* from the southeastern piedmont. In the scatter plot of PC1 and PC2 (Figure 2), Texas and Oklahoma specimens cluster mostly with *C. squarrosus* with a few individuals appearing intermediate between *C. squarrosus* and *C. granitophilus*. When PC3 was included with PC1 and PC2 in a three-dimensional scatter plot, this group diverged strongly from the piedmont *C. granitophilus* based primarily on differences of ANTHL and SCALN (Figure 3). A series of boxplots (Figures 6 and 8) further confirmed the disparity in the variance of these characters, showing that the characters of the disjunct populations did not show many similarities in diagnostic characters.

DISCUSSION

Are Cyperus squarrosus and C. granitophilus distinct species?— The scatter plot of PC1 and PC2 with only *C. squarrosus* and *C. granitophilus* shows distinct separation of two groups corresponding with

these taxa, with no intermediates (Figure 2). Thus, our results support recognition of *C. granitophilus* and *C. squarrosus* as distinct species and indicate SCALL, SPKLTW and ANTHL are most reliable characters for separating them. ANTHL is the most important diagnostic character, with almost no overlap between the two species (Figure 6). The seven specimens highlighted by the DA were all *C. squarrosus* outliers from the tropics, which were nearly twice the average size of typical temperate North American *C. squarrosus* (Table 4). Other than their large size, these specimens do not exhibit any diagnostic characters of *C. granitophilus*, and none was collected from granite outcrops. They also do not group with *C. granitophilus* within the dendrogram (Figure 9). McVaugh (1937) and Weakley (2015) cite the short-stipitate achene base as diagnostic: present in *C. squarrosus* (Figure 13a) and absent in *C. granitophilus* (Figure 13b). Except for a few individuals, this trait was a reliable diagnostic characteristic in distinguishing between the two species. *C. squarrosus* showed a high degree of morphological variability with specimens from the southeastern United States differing in certain respects from specimens from Africa or Sri Lanka and from the South American specimens. Additional investigation is needed to understand *C. squarrosus* on a worldwide basis.

The relationship of Cyperus squarrosus var. *squarrosus* and *C. squarrosus* var. *runyonii*.— In Figure 2, *C. squarrosus* var. *runyonii* specimens are scattered within the *C. squarrosus* var. *squarrosus* cloud, indicating a close affinity with this taxon (Figure 2). *Cyperus squarrosus* var. *runyonii* exhibits only one characteristic, the spatulate achene, distinguishing it from *C. squarrosus* var. *squarrosus*, and all other characters of *C. squarrosus* var. *runyonii* fall within the ranges of *C. squarrosus* var. *squarrosus*. The dendrogram shows that *C. squarrosus* var. *runyonii* affiliates with the tropical and Old World *C. squarrosus* var. *squarrosus* more than eastern United States specimens (Figure 12). The paucity of specimens of *C. squarrosus* var. *runyonii* indicates it occurs only sporadically within the range of *C. squarrosus* var. *squarrosus*. However, given its extreme achene morphology, it is best to provisionally treat *C. squarrosus* var. *runyonii* as a variety, if for no other reason than to bring it to the attention of

field botanists who are likely to find additional populations that would provide the basis for a better understanding of this enigmatic taxon.

Does Cyperus granitophilus occur in Texas and Oklahoma? – In the two-dimensional scatter diagram of PC 1 and PC2 (Figure 2), Texas and Oklahoma specimens recently reported as *Cyperus granitophilus* by O’Kennon and Taylor (2015) are mainly within the *C. squarrosus* var. *squarrosus* cloud, with several individuals between *C. squarrosus* var. *squarrosus* and *C. granitophilus*. These outliers are unusually robust plants allied with *C. squarrosus* and lack the critical diagnostic features of *C. granitophilus*, e.g., longer anthers, longer floral scales, estipitate achenes. They also cluster more closely with tropical specimens of *C. squarrosus* than eastern United States specimens (Figure 12). The three-dimensional scatter diagram incorporating PC3 in addition to PC1 and PC2 (Figure 3), shows a clear separation of these Texas and Oklahoma plants from *C. granitophilus*. The most informative characters in PC3 are SCALN and SPKLTL, which differ greatly in *C. granitophilus*, with *C. granitophilus* having fewer floral scales and larger floral scales on relatively shorter spikelets. Thus, we conclude the Texas and Oklahoma specimens assigned to *C. granitophilus* by O’Kennon and Taylor (2015) are more closely related to *C. squarrosus*.

Although the specimens from the granite outcrop regions of Oklahoma and Texas share some similarities (e.g., culm length, achene shape) with southeastern piedmont *C. granitophilus*, most of the diagnostic characters fall within the range of *C. squarrosus*, or between *C. squarrosus* and *C. granitophilus* (Table 5, Figures 6-8). The Texas and Oklahoma plants have the larger spikes and spikelets commonly associated with piedmont *C. granitophilus*, but they have a greater number and smaller floral scales, features of *C. squarrosus*. In contrast, *C. granitophilus* has fewer and larger floral scales (Figure 8). Other diagnostic characters, such as ANTHL and ACHST (Figure 6), align closely with *C. squarrosus*. The Texas and Oklahoma plants are generally taller than typical *C. squarrosus*, although tropical plants of *C. squarrosus* can reach heights exceeding even *C. granitophilus*. Certain tropical *C. squarrosus* and a

few of the Texas and Oklahoma specimens are at the periphery of the *C. squarrosus* cluster (Figure 2), yet there is still a clear separation between *C. squarrosus* and *C. granitophilus*.

The Texas and Oklahoma plants previously identified by O'Kennon and Taylor (2015) as *C. granitophilus* form a distinct cluster within and at the periphery of *C. squarrosus*, and the three-dimensional score plot of PC1, PC2, and PC3 (Figure 3) shows these specimens dispersed along a different vector from the rest of *C. squarrosus*. Therefore, we conclude they represent an undescribed variety of *C. squarrosus* and treat it as follows.

TAXONOMIC TREATMENT AND KEY

***Cyperus squarrosus* L. var. *hesperogranitophilus* P. D. Lowe, var. nov.** TYPE: U.S.A. Texas. Burnet Co.:

Granite Mountain, 16 Jun 1946, *D. S. Correll 12729* (HOLOTYPE: BRIT!; ISOTYPE: SMU!)

PARATYPES: **U.S.A. Oklahoma. Comanche Co.:** Wichita Mountains Wildlife Refuge. ca. 15 mi NW of Lawton, trail to summit of Elk Mountain, 34.729786° N, -98.7202174° W, WGS 1984, 19 Jun 2015, *K. N. Taylor 3026* (BRIT). **Texas. Burnet Co.:** Granite Mountain, 16 Jun 1946, *D. S. Correll 12729* (BRIT, SMU); Granite Mountain along Farm Road 1431, 1.8 mi W of jct of Farm Road 1431 and US 281, W of Marble Falls, 7 Jun 1988, *L. E. Urbatsch 4791* (BRIT-2). **Llano Co.:** 5 Aug 1931, *S. E. Wolff 3157* (BRIT, SMU); Enchanted Rock, 20 Aug 1936, *B. C. Tharp s.n.* (BRIT, SMU); Enchanted Rock SNA, Moss Lake on N side of park, DD 30.5092 -98.8255, 4 Oct 1990, *R. J. O'Kennon 8128* (BRIT-2); Enchanted Rock SNA, FM 965, ca. 16.8 mi N of Main St, Fredericksburg, 30.50025762° N, -98.8171891° W, WGS 1984, 15 Jul 2014, *K. N. Taylor 2776* (BRIT); *R. J. O'Kennon 26143* (BRIT); *R. J. O'Kennon 26145a* (BRIT); Enchanted Rock SNA, 30.499982 N, -98.817119 W, WGS 1984, 16 Jul 2014, *R. J. O'Kennon 26142* (BRIT); Enchanted Rock SNA, FM 965, ca. 16.8 mi N of Main St, Fredericksburg, 30.5000572° N, -98.82287324° W, WGS 1984, 17 Sep 2014, *K. N. Taylor 2860* (BRIT); Enchanted Rock SNA, FM 965, ca. 16.8 mi N of Main St, Fredericksburg, 30.51246871° N, -98.80255673° W, WGS 1984, 19 Sep 2014, *K. N. Taylor 2908* (BRIT).

Mason Co.: 14.2 mi E of Mason by Hwy TX 29, 16 Aug 1989, R. Carter 8214 (VSC); Mason Mountain Wildlife Refuge, 30.826460° N, -99.220047° W, WGS 1984, 14 Aug 2012, R. J. O'Kennon 25348 (BRIT).

Diagnosis.—*Cyperus squarrosus* var. *hesperogranitophilus* exhibits many of the morphological features of *C. squarrosus* var. *squarrosus* but tends to be a slightly larger plant. *Cyperus squarrosus* var. *hesperogranitophilus* has longer spikelets than *C. squarrosus* var. *squarrosus* and smaller floral scales than *C. granitophilus*. The achenes of *C. squarrosus* var. *hesperogranitophilus* are intermediate in both size and shape between those of *C. squarrosus* var. *squarrosus* and *C. granitophilus*. *Cyperus squarrosus* var. *hesperogranitophilus* achenes are more strongly obovoid than *C. squarrosus* var. *squarrosus* and have the characteristic stipe of *C. squarrosus*, which *C. granitophilus* lacks. The achenes of *C. squarrosus* var. *hesperogranitophilus* are smaller and lack the distinctive obpyramidal shape of *C. granitophilus*. *Cyperus squarrosus* var. *hesperogranitophilus* also lacks the diagnostic long anther of *C. granitophilus*.

Ecology and Distribution.—*Cyperus squarrosus* var. *hesperogranitophilus* inhabits granitic uplifts in Oklahoma and Texas, characterized by harsh exfoliated rock, shallow soils and seasonal, ephemeral pools.

Etymology.—The varietal name refers to the superficial similarity with *C. granitophilus* and the more western distribution of this narrow endemic.

Dichotomous Key to the *Cyperus squarrosus* Complex in North America

- 1a. Anthers 0.7–0.9 (–1.0) mm long; spikelets (2–) 3–5 mm wide; scales 2–4 mm long; achene estipitate; plants of granitic outcrops in piedmont of southeastern United States *Cyperus granitophilus*
- 1b. Anthers 0.1–0.3 (–0.6) mm long; spikelets 1–3 (–4) mm wide; scales 1–2(–3) mm long; achene stipitate; plants not restricted to granite outcrops of southeastern United States 2
 - 2a. Achene spatuloid *Cyperus squarrosus* var. *runyonii*
 - 2b. Achene oblong to obovate to weakly obpyramidal 3

3a. Spikelets 5.5–10 mm long; achene obovoid to weakly obpyramidal; plants of granitic uplifts in Texas and Oklahoma.....*Cyperus squarrosus* var. *hesperogranitophilus*

3b. Spikelets 3.5–5.5 mm long; achene oblong to weakly obovoid; plants wide ranging
And of various habitats..... *Cyperus squarrosus* var. *squarrosus*

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TABLES AND FIGURES

TABLE 1. List of characters and abbreviations used in principal component and discriminant analyses.

CULML	Culm length (cm)
LEAFL	Maximum leaf length (cm)
LEAFW	Maximum mid-leaf width (mm)
BRCTL	Maximum primary inflorescence bract length (cm)
BRCTW	Maximum primary inflorescence bract mid-leaf width (mm)
RAYL	Maximum ray length (cm)
RAYN	Number of rays
BRCTN	Number of primary inflorescence bracts
BRCTNL	Number of primary inflorescence bracts longer than longest ray
SPKL	Maximum spike length (mm)
SPKW	Maximum spike width (mm)
SPKLTL	Maximum spikelet length (mm)
SPKLTW	Maximum spikelet width (mm)
SCALN	Floral scale number per spikelet
SCALFN	Fertile floral scale number per spikelet
SCALL	Floral scale length (mm)
SCALW	Floral scale half-width (mm)
MUCRL	Length of floral scale mucro (mm)
NERVN	Number of nerves per half-scale
ACHL	Achene length (mm)
ACHW	Achene width (mm)
ACHMX	Achene distance from base to point of maximum width (mm)
ANTHL	Anther length (mm)
ACHST	Achene stipe (presence or absence)

TABLE 2. Results of PCA of 24 measurements of 405 specimens.

Eigenvalue	7.619591	3.410084	2.539644	1.252127	1.076938	0.918378
Proportion	0.331287	0.148265	0.110419	0.05444	0.046823	0.039929
Cumulative	0.331287	0.479551	0.58997	0.644411	0.691234	0.731164
	PC1	PC2	PC3	PC4	PC5	PC6
CULML	0.172793	-0.31752	-0.01335	-0.34405	0.170028	-0.26374
LEAFL	0.208884	-0.2856	0.118805	-0.23697	0.123673	-0.3026
LEAFW	0.227414	-0.15255	0.07681	0.056537	-0.39791	0.145598
BCTL	0.162073	-0.33545	0.18205	-0.05723	0.091049	-0.2837
BCTW	0.207015	-0.16072	0.1076	0.166002	-0.45764	0.164388
RAYL	0.106177	-0.42224	-0.03078	-0.14276	-0.06196	0.243345
RAYN	0.062646	-0.39328	0.111711	0.031792	-0.0003	0.396825
BCTN	0.132897	-0.12797	0.184488	0.483745	-0.02208	-0.01465
BCTNL	0.091555	-0.00343	0.265243	0.605517	0.101247	-0.35727
SPKL	0.169769	-0.21189	-0.29864	0.120068	-0.02223	-0.12872
SPKW	0.196602	-0.05934	-0.40262	0.218604	0.052937	-0.07184
SPKLTL	0.210539	0.03077	-0.45115	0.083298	0.027692	-0.0166
SPKLTW	0.291318	0.082028	-0.06932	0.000418	0.112614	0.076258
SCALN	0.062054	-0.02758	-0.54521	0.100965	-0.00807	-0.05881
SCALL	0.302145	0.097144	0.082888	-0.00516	0.154899	0.033945
SCALW	0.267916	0.166719	0.082024	-0.16781	-0.06507	-0.04351
MUCL	0.259753	0.034612	0.011078	0.061586	0.375005	0.119137
NRVN	0.224812	0.156879	0.090568	-0.03789	-0.00712	0.143134
ACHL	0.242781	0.147117	-0.04298	0.007533	-0.11703	0.273503
ACHW	0.261138	0.185021	0.036031	-0.16478	-0.03318	0.047072
ACHMD/ACHL	-0.10716	-0.15105	0.03031	0.15249	0.589305	0.459668
ANTHL	0.28508	0.222426	0.10776	-0.07661	0.055474	0.062792
ACHST	-0.25087	-0.24201	-0.15096	0.017623	-0.11953	0.066064

TABLE 3. MANOVA for all 24 characters between all four taxa.

MANOVA for TAXA					
s = 3	m = 9.5	n = 189.0			
				DF	
Criterion	Test Statistic	F	Num	Denom	P
Wilks'	0.04912	28.685	69	1136	<0.001
Lawley-Hotelling	12.56434	68.952	69	1136	<0.001
Pillai's	1.31080	12.888	69	1146	<0.001
Roy's	12.04812				

TABLE 4. Results of discriminate analysis.

<i>A priori</i> group	True Group	
	<i>C. granitophilus</i>	<i>C. squarrosus</i>
<i>C. granitophilus</i>	58	7
<i>C. squarrosus</i>	0	341
Total N	58	348
N Correct	58	341
Proportion	1.000	0.980

TABLE 5. Comparison of six diagnostic characters among the four taxa.

	<i>C. granitophilus</i>	<i>C. squarrosus</i> var. <i>squarrosus</i>	<i>C. squarrosus</i> var. <i>runyonii</i>	<i>C. squarrosus</i> var. <i>hesperogranitophilus</i>
Spikelet length	5.4–6.9	3.7–5.3	5.9–7.8	5.8–9.7
Average number of scales per mm of spikelet	1.5–2	2–3	2–2.5	2–2.5
Scale length (mm)	1.6–3.3	1–1.6	1.2–1.3	1.2–1.5
Achene shape	Obpyramidal	Oblong—obovoid	Spatuloid	Oblong—obovoid
Achene stipe	Absent	Present	Present	Present
Anther length (mm)	0.7–0.9	0.2–0.3	0.2–0.3	0.3–0.4

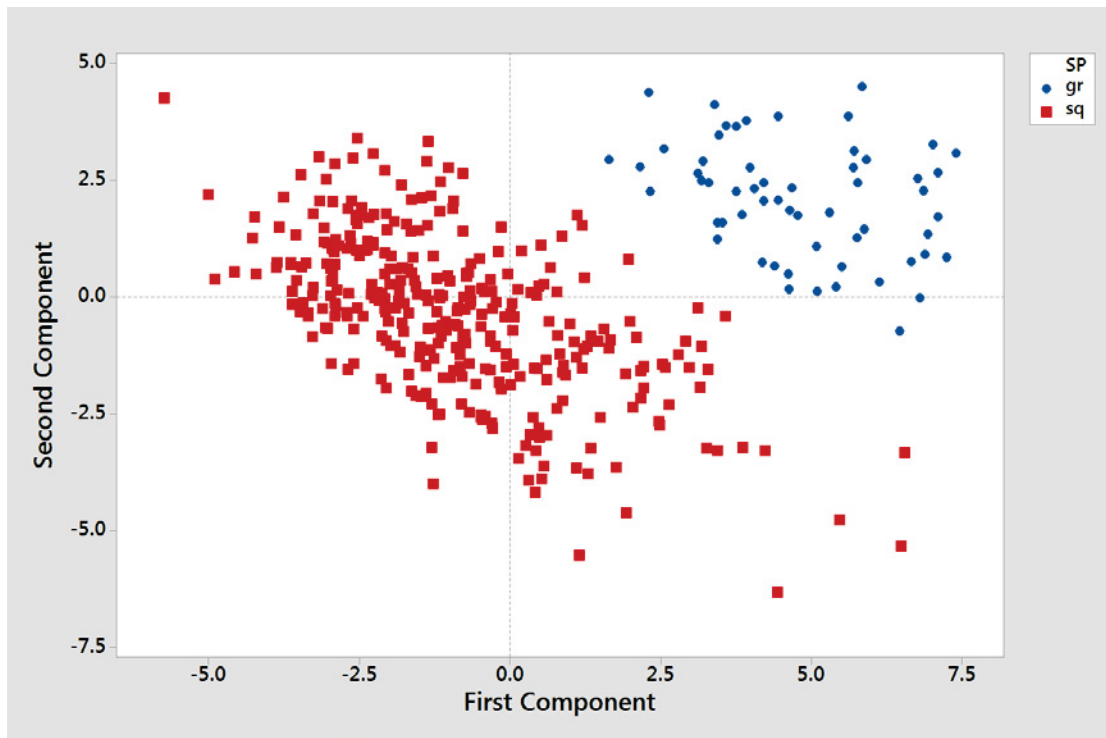


FIGURE 1. Scatter plot of principal components 1 and 2, with *Cyperus squarrosus* var. *squarrosus* (sq) and *C. granitophilus* (gr); *C. squarrosus* var. *hesperogranitophilus* and *C. squarrosus* var. *runyonii* not shown.

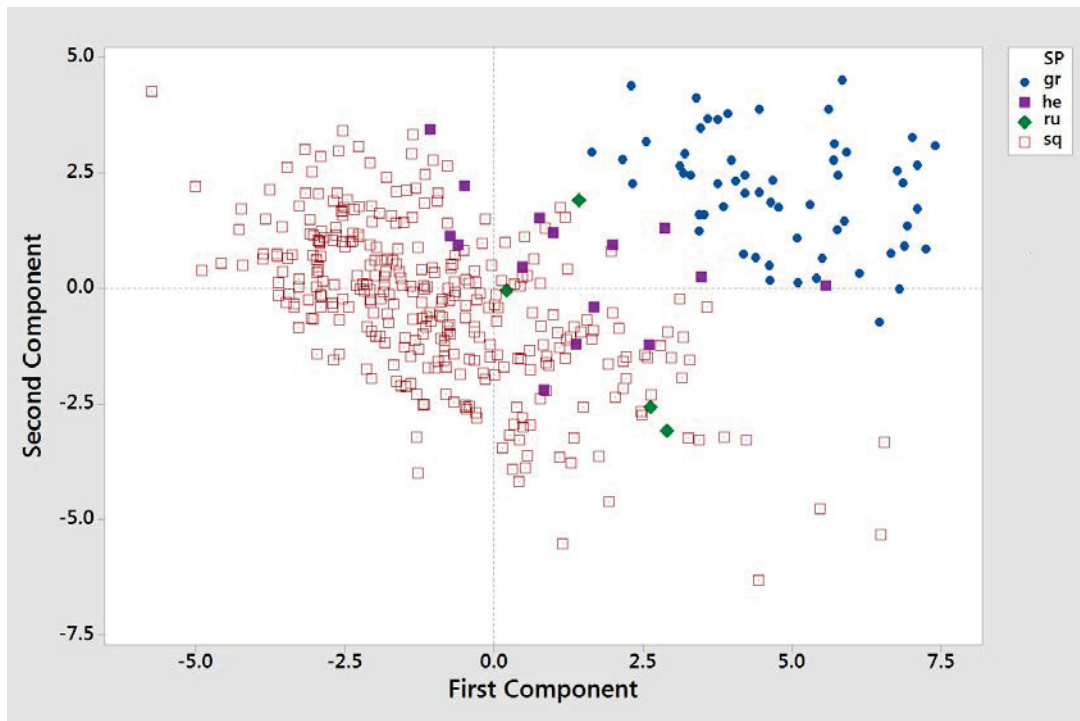


FIGURE 2. Scatter plot of principal components 1 and 2 grouped by *a posteriori* determination. *Cyperus granitophilus* (gr); *C. squarrosus* var. *squarrosus* (sq); *C. squarrosus* var. *hesperogranitophilus* (he); *C. squarrosus* var. *runyonii* (ru).

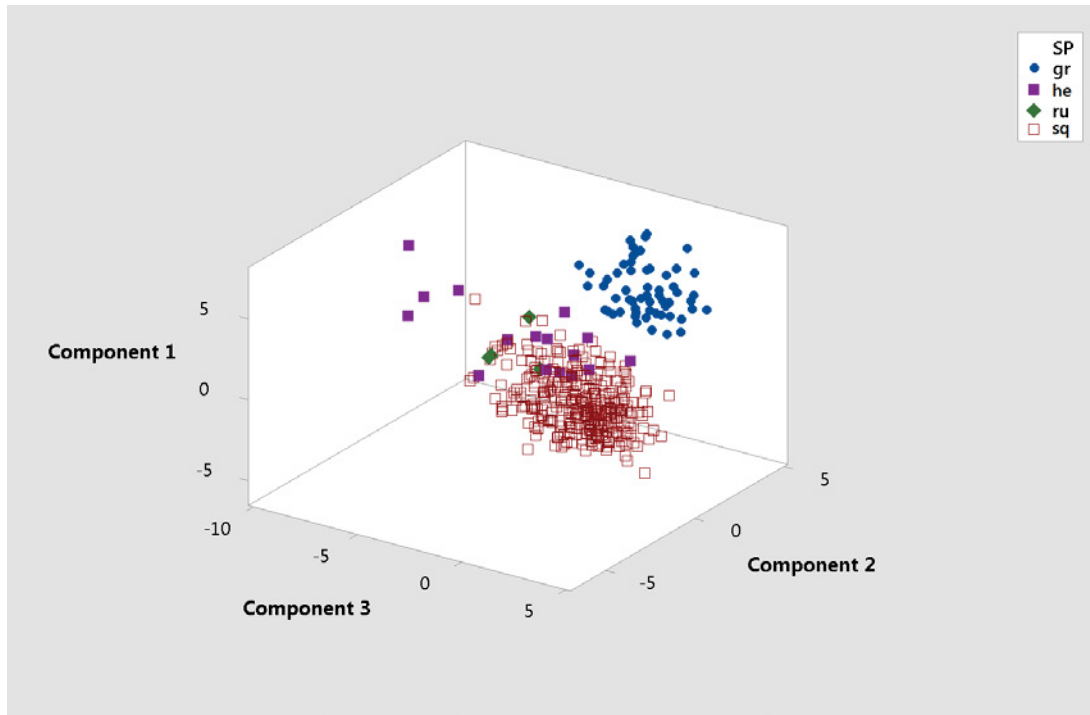


FIGURE 3. Three-dimensional scatter plot of principal components 1, 2, and 3 grouped by *a posteriori* determination. —*Cyperus granitophilus* (gr); *C. squarrosus* var. *squarrosus* (sq); *C. squarrosus* var. *hesperogranitophilus* (he); *C. squarrosus* var. *runyonii* (ru).

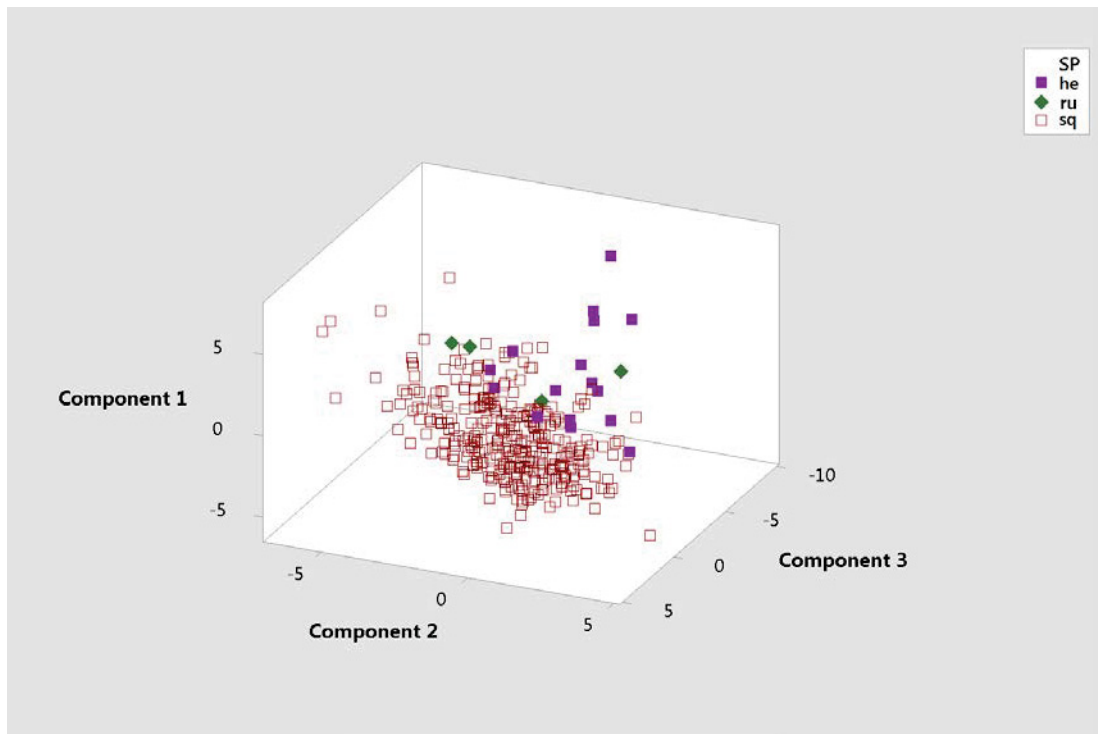


Figure 4. Three-dimensional scatter plot of principal components 1, 2, and 3 with *Cyperus granitophilus* removed. *C. squarrosus* var. *squarrosus* (sq); *C. squarrosus* var. *hesperogranitophilus* (he); *C. squarrosus* var. *runyonii* (ru).

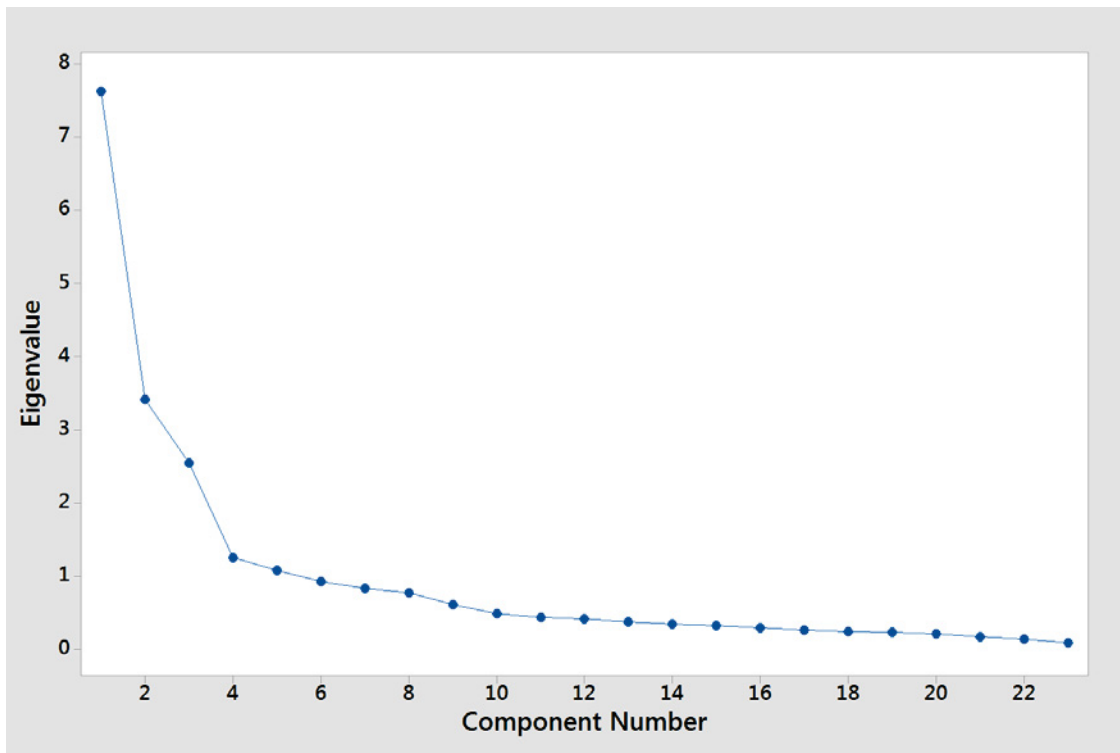


Figure 5. Scree plot for PCA of the four taxa.

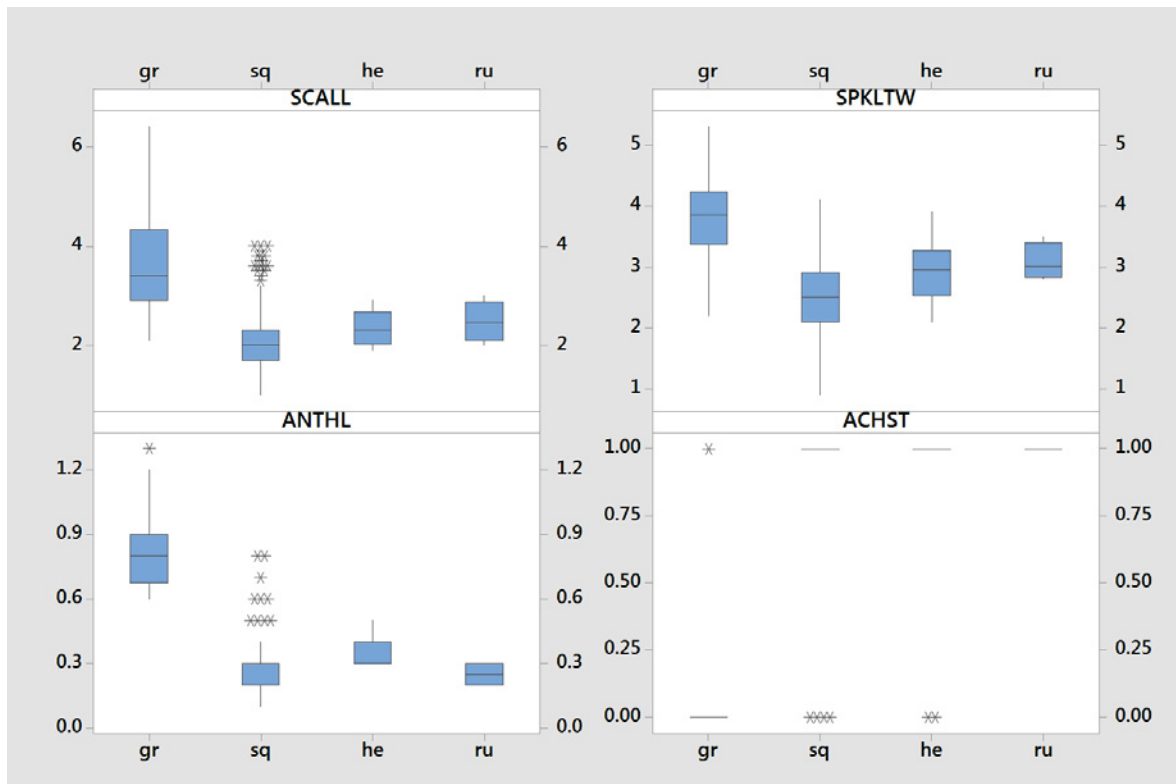


Figure 6. Boxplot of four most important characters of principal component 1; *Cyperus granitophilus* (gr); *C. squarrosus* (sq); *C. squarrosus* var. *hesperogranitophilus* (he); *C. squarrosus* var. *runyonii* (ru).

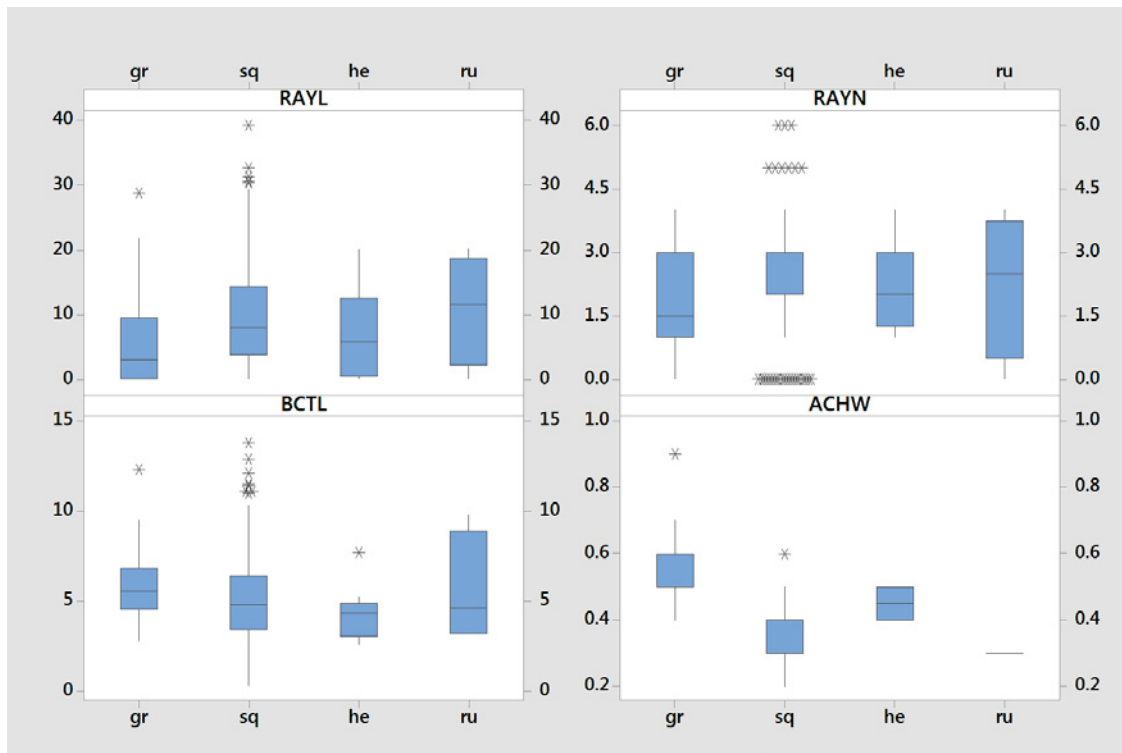


Figure 7. Boxplot of four most important characters of principal component 2 for *Cyperus granitophilus* (gr); *C. squarrosus* (sq); *C. squarrosus* var. *hesperogranitophilus* (he); *C. squarrosus* var. *runyonii* (ru).

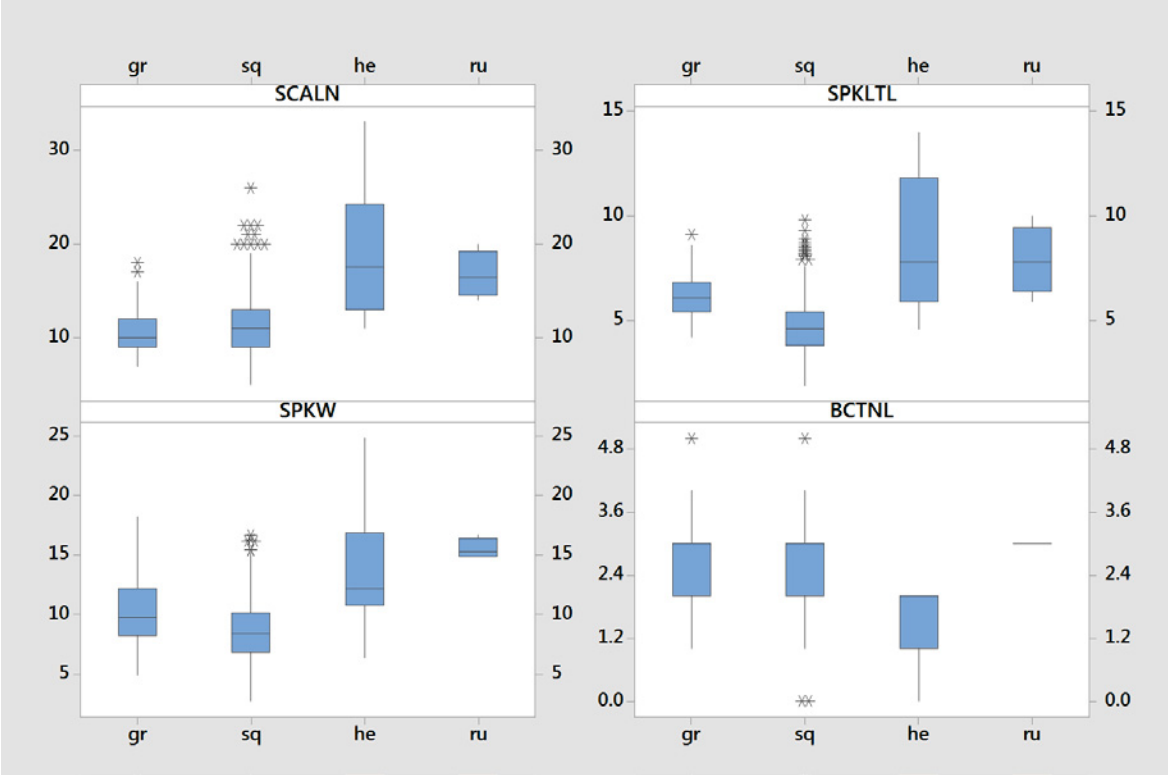


Figure 8. Boxplot of four most important characters of principal component 3 for *Cyperus granitophilus* (gr); *C. squarrosus* (sq); *C. squarrosus* var. *hesperogranitophilus* (he); *C. squarrosus* var. *runyonii* (ru).

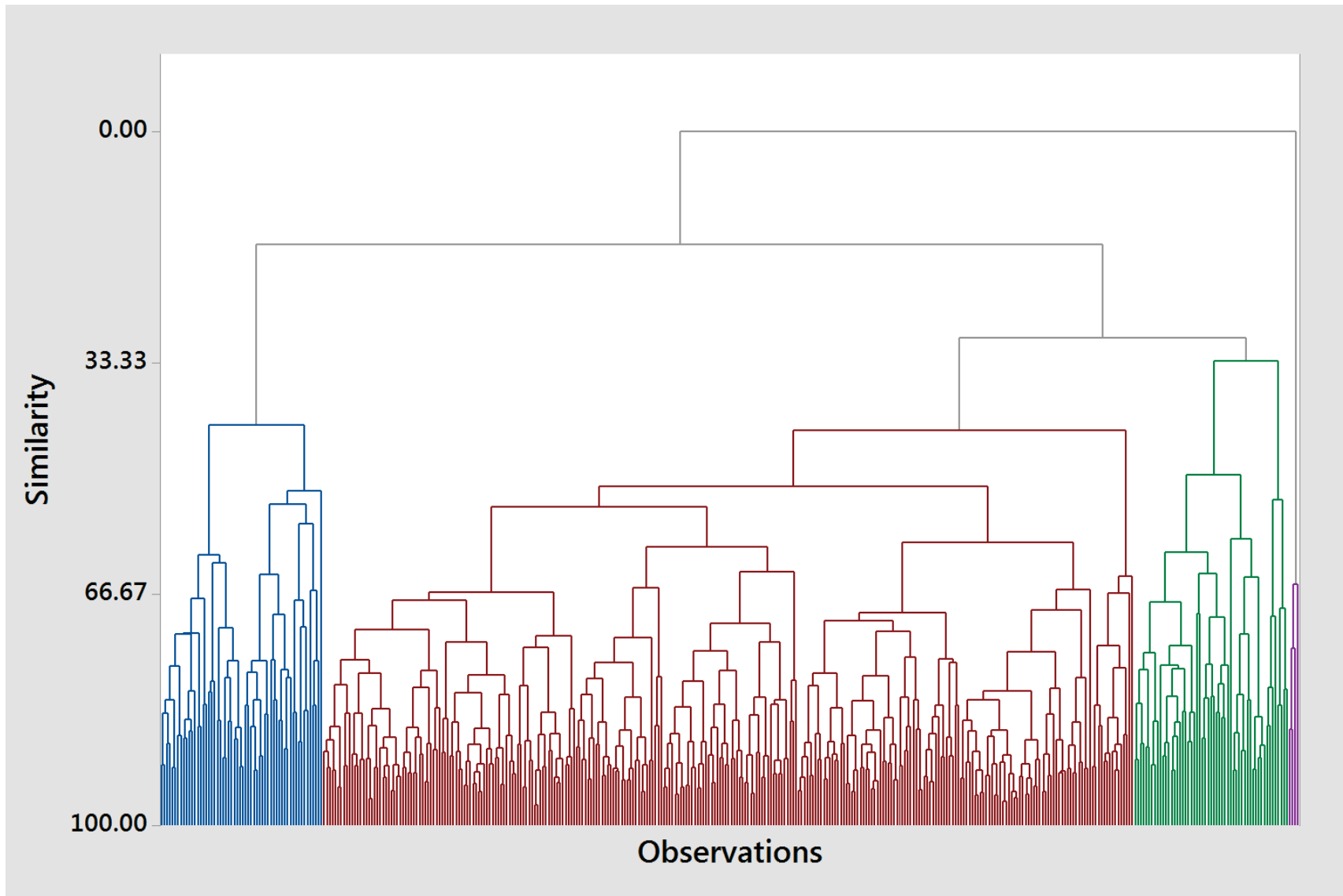


Figure 9. Complete Euclidian distance dendrogram based on diagnostic characters for all specimens examined. Blue = *Cyperus granitophilus*, red = *C. squarrosus* var. *squarrosus*, green and purple = *C. squarrosus* var. *herspergranitophilus*, *C. squarrosus* var. *runyonii* and tropical and old-world *C. squarrosus*.

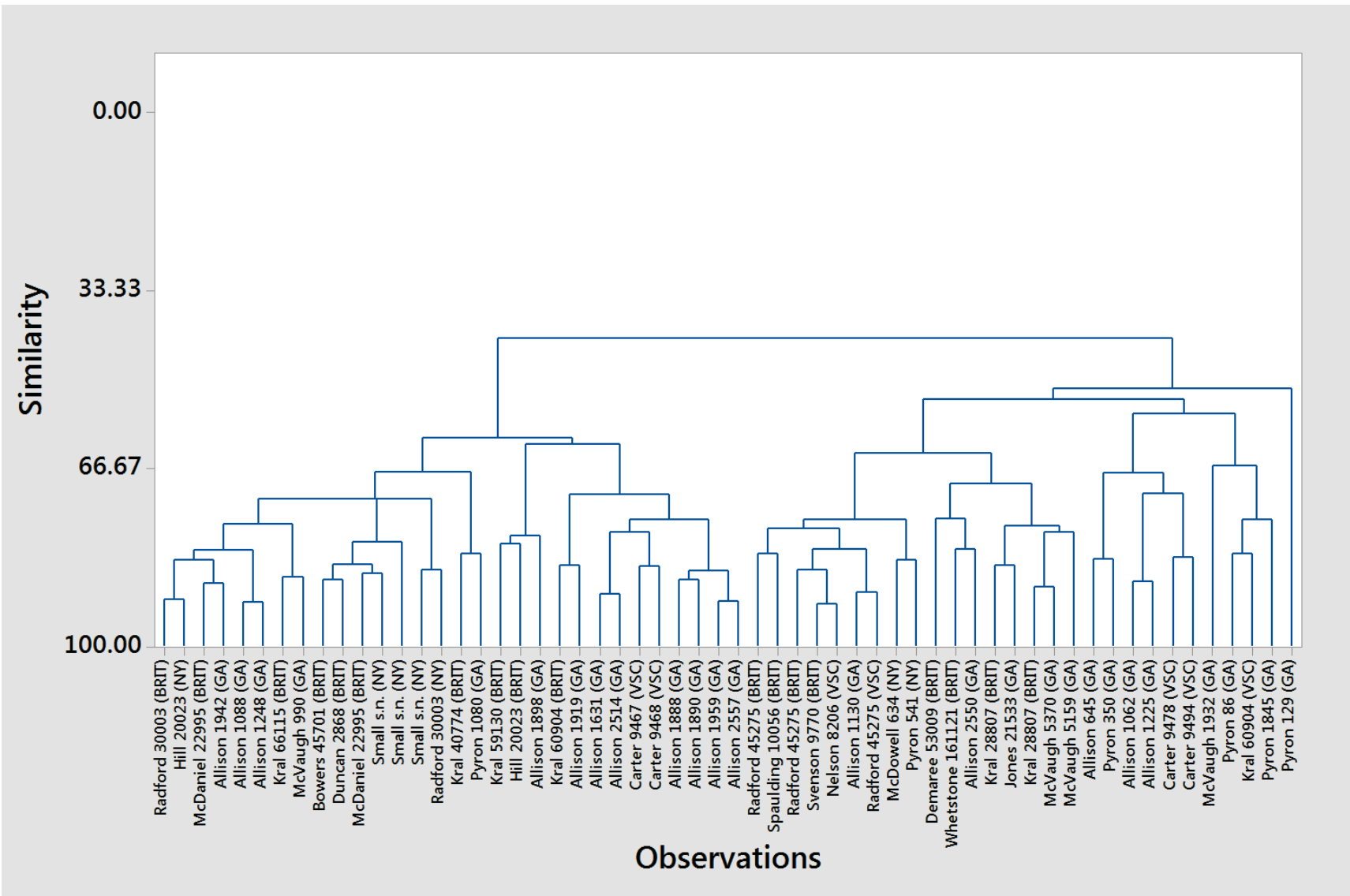


Figure 10. *Cyperus granitophilus* portion of the Euclidian dendrogram.

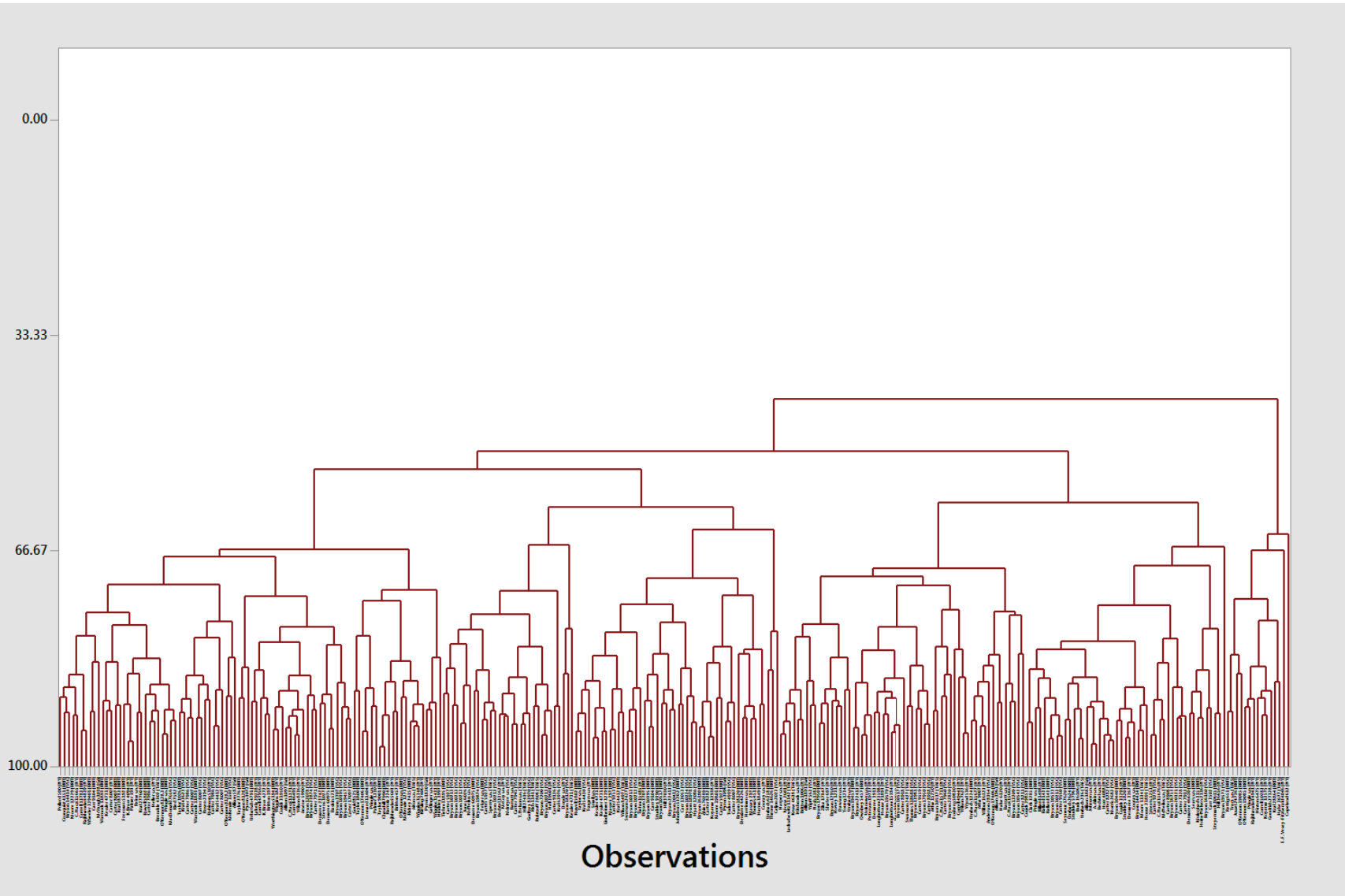


Figure 11. *Cyperus squarrosus* var. *squarrosus* portion of the Euclidian dendrogram.

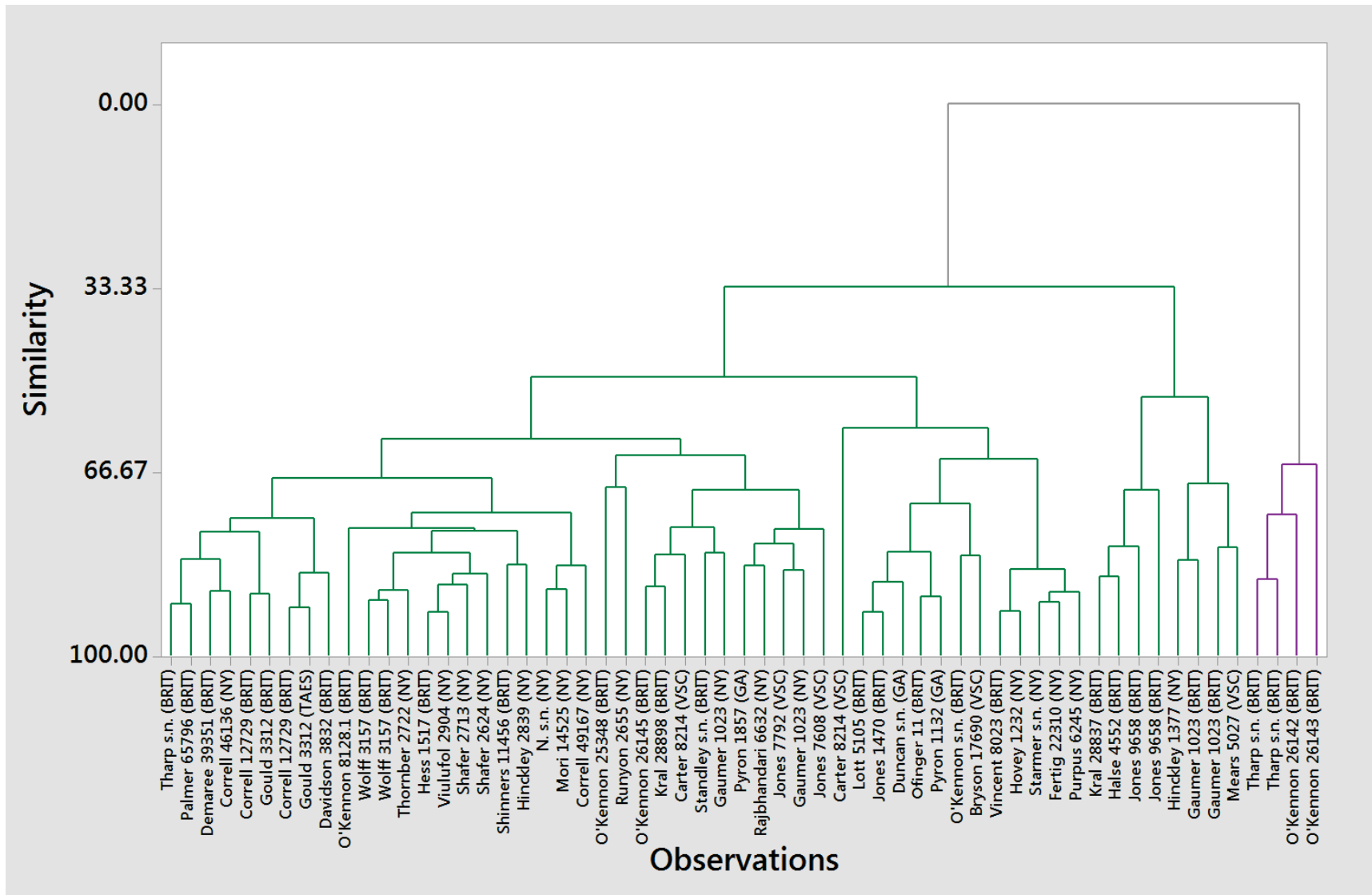


Figure 12. *Cyperus squarrosus* var. *hesperogranitophilus*, tropical and Old World *C. squarrosus* portion of the Euclidian dendrogram. Green = tropical and old-world *C. squarrosus*, *C. squarrosus* var. *runyonii* and smaller *Cyperus squarrosus* var. *hesperogranitophilus*, purple = larger *Cyperus squarrosus* var. *hesperogranitophilus*

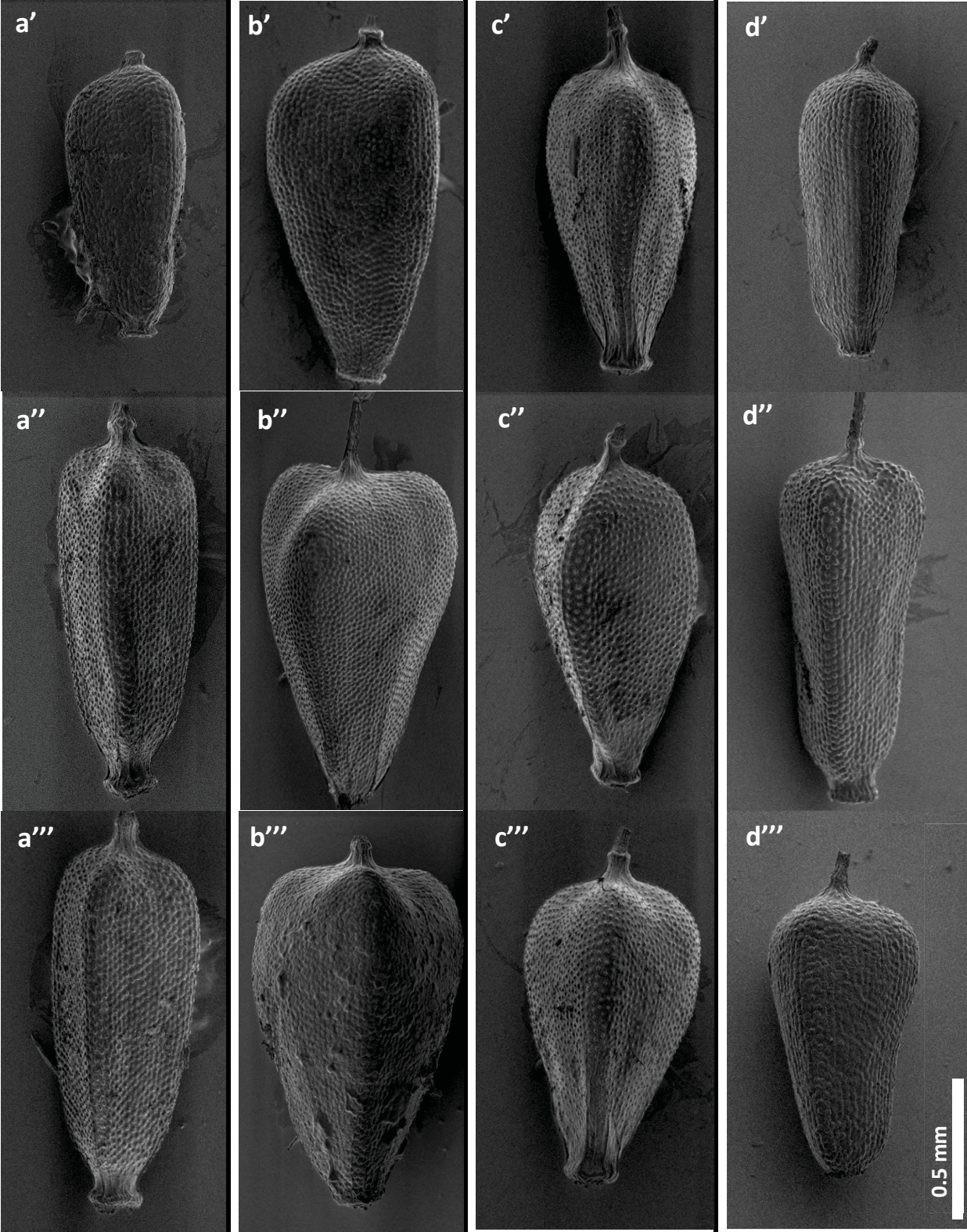


Figure 13. Scanning electron micrographs of achenes. (a) *Cyperus squarrosus*—a' Carter 8007 (VSC), a'' McDonald 7656 (VSC), a''' Gaumer 1023 (NY); (b) *C. granitophilus*—b' Radford 45275 (VDB), b'' Kral 60904 (VSC), b''' Kral 59130 (VDB); (c) *C. squarrosus* var. *hesperogranitophilus*—c' O'Kennon 26142 (BRIT), c'' Taylor 2776 (BRIT), c''' O'Kennon 26145a (BRIT); (d) *C. squarrosus* var. *runyonii*—d' Gould 8525 (SMU), d'' Lott 5105 (BRIT), d''' Jones 1470 (SMU).

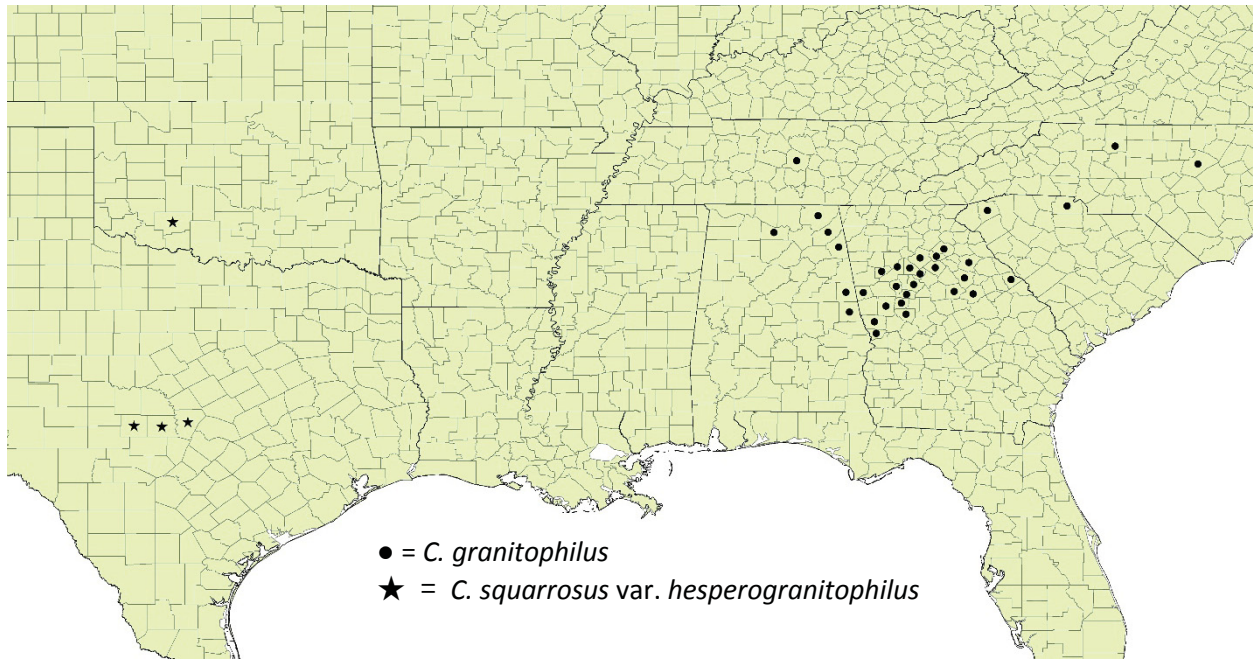


Figure 14. Distribution of *Cyperus granitophilus* (●) and *C. squarrosus* var. *hesperogranitophilus* (★) based on specimens examined.

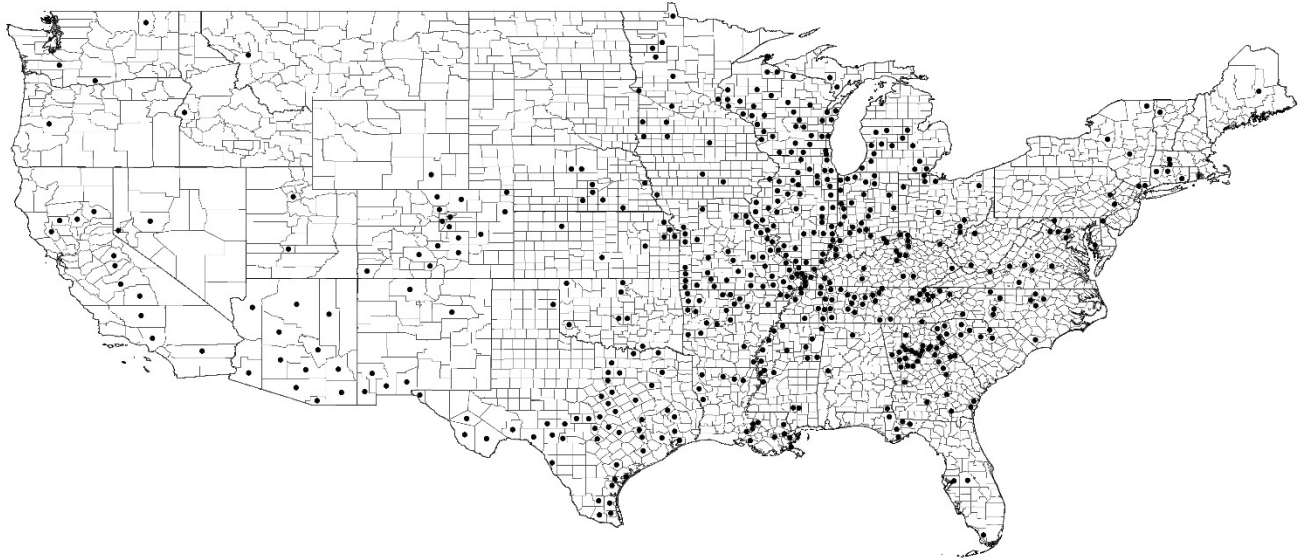


Figure 15. Distribution of *Cyperus squarrosus* in the United States based on examined specimens and SERNEC images (2017).

APPENDIX A:

Vouchers Examined Physically and Digitally

Bold = Vouchers used in statistical analysis

* = Vouchers examined digitally

Cyperus granitophilus

NORTH AMERICA. U.S.A. ALABAMA. Chambers Co.: Ala. 77, just N of Penton, 23 Aug 1977, *R. Kral 60904 (VDB, VSC)*. **Cherokee Co.:** ca. 5 mi NE Sand Rock, 28 Aug 1970, *R. Kral 40774 (VDB)*. **Dekalb Co.:** Little River Canyon area, ca. 8 mi S jct. Ala. 275 & 35, NE4, S10, 14 Oct 1979, *S. McDaniel 22995 (BRIT, VDB)*. **Jackson Co.:** just N of Flat Rock, 16 Aug 1980, *R. Kral 66115 (VDB-2)*; adjacent to Flat Rock Creek located east of Alabama Hwy 117 in community of Flat Rock, 21 Sep 1997, *D. D. Spaulding 10056 (VDB)*. **Morgan Co.:** McKendry, Cedar Grove Church Rd, .3 mi N of Co Rd 55, 23 Aug 1966, *J. Baskin 521 (VDB)*; Hartsville, by US 31, 6 Oct 1974, *R. Kral 54412 (VDB-2)*. **Randolf Co.:** Almond, 3 Aug 1938, *H. K. Svenson 9770 (VDB)*; ca. 3 mi WNW Wadley on ALA 77, 30 Jul 1967, *R. Kral 28807 (VDB-2)*; NE of Cragford, along Tallapoosa River, impoundment by Harris Dam, 7 Sep 1991, *R. D. Whetstone 161121 (VDB)*. **GEORGIA. Barrow Co.:** 1 mi W of Windler, 10 Oct 1936, *J. Pyron 990 (UGA)*; Winder, along E side of GA hwy 81, about 0.3 mi S of jct of US hwy 29 and just S of jct of Patrick Mill Rd, 10 Oct 1983, *J. Allison 1888 (UGA)*. **Columbia Co.:** Hoggie's Rock, 11 Nov 1938, *J. Pyron 86 (UGA)*. **DeKalb Co.:** Stone Mountain, 1 Aug 1900, *C. L. Pollard 500 (NY)*; Mt. Arabia, 16 Jul 1971, *A. M. Evans 45701 (VDB)*; Mt. Arabia, S of Lithonia, 29 Sep 1976, *R. Kral 59130 (VDB)*; 1.6 mi SE of Lithonia, Hyden Quarry Rd, 0.3 mi W of jct with Turner Mill Rd, 9 Sep 1978, *J. Allison 645 (UGA)*; by GA 155, 0.4 mi N of Henry McDonough, 1 Aug 1989, *R. Carter 8007 (BRIT, UGA, VDB, VSC-4)*; Klondike Rd. 2-9 mi S of Covington Rd. in Lithonia, 11 Oct 1991, *R. Carter 9467 (VSC)*; Loganville, jct of US 78 and State Road 81, 12 Oct 1991, *R. Carter 9468 (VSC)*; 3.5 mi N of Lithonia, W of Hwy GA 124, near corner of Stephenson Rd, 13 Oct 1991, *R. Carter 9494 (VSC)*; Stone Mountain Park, Stonemont Golf Course, E side of Stonewall Jackson Dr, 9 Sep 1996, *M. Moore 2558 (UGA)*; Stone Mountain, 6 Sep 1894, *J. K. Small s.n. (NY)*; summit of Stone Mountain, Georgia, 9 Sep 1897, *J. K. Small 5062b (NY)*. **Douglas Co.:** Lithia Springs, jct of Slater's Mill and Pope Rds, 8 Aug 1980, *J. Allison 1631 (UGA)*. **Fayette Co.:** about 3 mi N of Tyrone, E of Edwards Lake and N of The Rock Church, 11 Nov 1979, *J. Allison 1062 (UGA)*; between Fayetteville and Tyrone, Scott Boulevard, between Tyrone Rd and Ellidon Rd, 10 Oct 1983, *J. Allison 1898 (UGA)*. **Fulton Co.:** W of Palmetto, Old Rico Rd, about 0.4 mi NW of jct of Atlanta-Newnan Rd, *J. Allison 1890 (UGA)*. **Greene Co.:** 19 mi S of Greensboro, 9 Sep 1937, *J. Pyron 1845 (UGA)*; 9 mi SE of Greensboro, 1 Jul 1939, *J. H. Pyron 541 (NY)*; 5-6 mi SSE of Greensboro, 9 Sep 1971, *S. Jones 21533 (UGA)*. **Gwinnett Co.:** between Snellville and Loganville, S side of US hwy T8 just W of jct with Rosebud Rd, 3 Mar 1980, *J. Allison 1248 (UGA)*. **Hancock Co.:** by Ga. 15, 2.4 mi S Sparta, 7 Aug 1975, *R. Kral 56188 (VDB)*. **Harris Co.:** about 10.5 mi S of Hamilton, W side of Bonacre Rd, ca. 1.5 mi E of jct with US 27, 3 Mar 1980, *J. Allison 1225 (UGA)*; SSW of Cataula, E of Lake Kokoloe, E of Bonacre Rd (county rd 148), 1.2 mi by car NW of jct with Ripahin Rd (county rd 152), 9 Sep 1985, *J. Allison 2557 (UGA)*. **Heard Co.:** SW of Franklin, 2.3 mi SW of Viola, about rd 139, ca. 0.4 mi N of jct of county road 138, 8 Aug 1985, *J. Allison 2514 (UGA)*. **Henry Co.:** NE corner of county, S of GA hwy 155 and Panola Mountain, 10 Oct 1983, *J. Allison 1919 (UGA)*. **Jackson Co.:** 2 mi SW of Pondergrass, 10 Oct 1936, *J. Pyron 1080 (UGA)*. **Meriwether Co.:** 4.5 mi W4°N of Woodburr, 7 Jul 1953, *W. Duncan 16808 (UGA)*; about 4.2 mi SW of Greenville, on Jessie Porch Rd about 0.2 mi N of jct of Cedar Rock Church Rd, 11 Nov 1983, *J. Allison 1942 (UGA)*. **Muscogee Co.:** Columbus, Flatrock Park, Warm Springs Rd at Flatrock Creek, 8 Aug 1985, *J. Allison 2550 (UGA)*. **Ogelthorpe Co.:** 25 Sep 1965, *D. Demaree 53009 (VDB)*. **Oglethorpe Co.:** Echols Mill, 13 mi NE of Lexington, 8 Aug 1940, *R. McVaugh 5370 (UGA)*. **Pike Co.:** 4 mi NW of Concord, 10 Oct 1937, *J. Pyron 1932 (UGA)*. **Putnam Co.:** 13 mi E of Latonton, 8 Aug 1940, *R. McVaugh 5159 (UGA)*; 0.8 mi W of jct of Putnam, Greene and Ealcock Counties, 11 Nov 1979, *J. Allison 1130 (UGA)*. **Rockdale Co.:** granite glade just W of Conyers by I-20, 17 Aug 1980, *R. Kral 66119 (VDB)*; NE of Milstead, Hi-Roc Shores subdivision, Hi-Roc Circle, 0.1 mi S of jct with Hi-View Dr, 11 Nov 1983, *J. Allison 1959 (UGA)*; NE of Milstead, 1.2 mi N of Hwy GA 138 by Hi-Roc Rd, 12 Oct 1991, *R. Carter 9478 (VSC)*. **Spalding Co.:** S of Griffin, County Line Road, just W of jct. of US 41, 11 Nov 1979, *J. Allison 1088 (UGA)*. **Upson Co.:** 12 mi S of Thomaston, 2 Feb 1939, *J. Pyron 129 (UGA)*. **Walton Co.:** 1 mi E of Logansville, 12 Dec 1935, *J. Pyron 350 (UGA)*; 10 Oct 1936, *R. McVaugh 971 (UGA)*; 30 Aug 1940, *W. H. Duncan 2868 (SMU)*. **NORTH CAROLINA. Forsyth Co.:** 7 mi SW of Winston-Salem, 16 Sep 1934, *J. E. Benedict 2956 (VDB)*. **Rowan Co.:** summit of Dunn's Mountain, 2 Sep 1897, *H. O'Neill 5062a (NY)*. **Wake Co.:** Michells Mill, 2 mi NE of Rolesville, 22 Sep 1966, *A. Radford 45275 (BRIT, VDB, VSC)*; outcrop located along the wester side of SR 2227 0.8 km S of SR 2227 - SR 2217 intersection, 2 Sep 1992, *R. Ingle 436 (VDB)*. **SOUTH CAROLINA. Pickens Co.:** Boggs Rock, Rte. 178, N town line of Liberty, 1 Oct 1988, *S. R. Hill 20023 (BRIT, NY)*. **York Co.:** SE side of town of Clover, 31 Jul 1989, *J. Nelson 8206 (VSC)*. **TENNESSEE. Rutherford Co.:** cedar glade 2.4 mi N of La Vergne near Hurricane Landing at Percy Priest Lake, 1 Aug 1989, *R. Carter 7986 (VDB, VSC-2)*.

Cyperus squarrosus* var. *squarrosus

AFRICA. GHANA. Krachi West Dist.: 19 Jul 1969, *J. B. Hall GC39601 (NY)*. **REPUBLIC OF BURUNDI:** Broad Bujumbura - Rumonge, km 36, 30 Mar 1980, *A. Caljon s.n. (VSC)*. **RHODESIA:** Mapanza, 7 Feb 1954, *E. A. Robinson 510 (NY)*. **ZAMBIA:** Lusaka West, Old Mumbwa Rd., 29 Mar 1963, *J. D. E. F. Vesey-FitzGerald 4046 (NY)*. **ASIA. NEPAL. KARNALI ZONE:** Jumla-Garjankot, Junula, 8 Aug 1979, *K. R. Rajbhandari 4392 (NY)*. **SRI LANKA. EASTERN PROV. Trincomalee Dist.:** Trincomalee-Kandy Rd., 86/2 mi post, *F. Ballard 1498 (NY-2)*. **UVA PROV. Monaragala Dist.:** a few mi from Ritigala, 14 Jan 1951, *F. Ballard 1451 (NY)*. Ruhuna National Park, Gonalabba, 23 Nov 1969, *R. G. Cooray 69112401R (NY)*; Ruhuna National Park, 2 Dec 1969, *R. G. Cooray 69120205R (NY)*; Ruhuna National Park Block 1 Plot R36, 22 Mar 1970, *R. G. Cooray 70032204R (NY)*. **Hambantota Dist.:** in plot R39 at Kohombagaswala, *R. G. Cooray 69012205R (NY)*. **Jaffna District:** N shore of Jaffna Lagoon, ca. 10 mi SE of Navatkuli, 18 Feb 1971, *T. Koyama 14037 (NY)*. **Mannar District:** Aruvi Aru, mile 125 on rd. A 14, 8 Jan 1971, *T. Koyama 13934 (NY)*. **NORTH AMERICA. BRITISH VIRGIN ISLANDS. ANEGADA. :** 19 Feb 1913, *N. L. Britton 1006 (NY)*. **CUBA. CAMAGÜEY PROV.:** 8 Mar 1909, *J. A. Shafer 697 (NY)*; 20 Oct 1909, *J. A. Shafer 2624 (NY)*. **CIEGO DE ÁVILA PROV.:** 6 mi from NW end of Cayo Coco, Camaguey, 23 Oct 1909, *J. A. Shafer 2713 (NY)*; *C. Wright 3355 (NY)*. **HAITI Nord-Ouest Dept.:** vicinity of La Vallee, Tortue Island, west of La Vallee harbor, 28 Dec 1928, *E. C. Leonard 11404 (NY)*. **MEXICO. BAJA CALIFORNIA:** near San Antonio Mine, El Valle Perdido, Lat 23° 42' N, Long 110° 7' W, 7 Nov 1959, *I. L. Wiggins 15348 (NY)*; Arroyo Colorado, 2 mi N of El Pilar, about Lat 24° 31' N, Long 110° 59' W, 13 Nov 1959, *I. L. Wiggins 15433 (NY)*; at edge of pool with *Bacopa monnieri*, 5 Oct 1970, *R. Moran 5568 (NY)*. **CHIAPAS:** 14.7 mi W of Tuxtla Gutierrez along Mex 190, 24 Aug 1966, *R. Kral 27760 (VDB)*. **COAHUILA. Villa Acuña:** Sierra del Carmen, Canyon de Sentenela on Hacienda Piedra Blanca, 6 Jul 1936, *F. L. Wynd 516 (NY)*. 24 mi NE by N from Monclova, 1 Sep 1880, *E. Palmer 1330 (NY)*. **JALISCO:** Taquila, 10 Oct 3793, *C. G. Pringle s.n. (SMU)*; Tequila, 1 Oct 1893, *C. G. Pringle s.n. (NY)*. **MICHOACAN:** vicinity of Morelia, 15 Sep 1910, *G. Arsene 5990 (NY)*; ca. 1 km. S of Tuxpan at Km. 119 on Hwy 15 to Morelia, 15 Sep 1977, *H. H. Iltis 44 (VDB)*. **OAXACA:** about 5 mi W of Oaxaca on Rt. 175 towards Xaachila, 5 Aug 1984, *R. L. Wilbur 36323 (NY)*. **SONORA. Soyopa:** Near Arroyo Garambullo on NE side of Rio Yaqui Bridge on MEX 16 just S of Tonichi, 14 Aug 1998, *A. L. Reina 98-830 (NY)*. about 2 mi NW of Rancho San Charlos, about 40 mi W of Hermosillo on the rd. to Kino Bay, 30 Aug 1941, *I. L. Wiggins 182 (NY)*; Isla San Pedro Nolasco, Canyon de Mellink, NW side of the island, N branch of the canyon, NW-facing slope, 29 Sep 2008, *R. S. Felger 08-147 (BRIT)*. **TAMAULIPAS:** 23.5 mi N Ciudad Valles by Mex 85, 16 Jul 1965, *R. Kral 24869 (VDB)*. **VERACRUZ:** 1 Sep 1912, *C. A. Purpus 6245 (NY)*. **YUCATAN:** Izamal, Jan 1900 *G. F. Gaumer 1023 (NY-2, SMU, VDB)*; San Anselmo, 1 Jan 1935, *P. C. Standley s.n. (SMU)*; NW corner of jct Mex hwy 180 and Mex 295 just E of Ebtum, N 20 39.878°, W 88 15.994°, 19 Aug 2006, *R. Mears 5027 (VSC)*. **THE BAHAMAS. ACKLIN'S ISLAND:** Spring Point, 21 Dec 1905, *L. J. K. Brace 4272 (NY)*. **CAT ISLAND:** along trail to The Hermitage, Mt. Alverina, from Old Bight, 20 Nov 1975, *D. S. Correll 46136 (NY)*. **GREAT EXUMA:** near Moss Town, 16 Dec 1976, *D. S. Correll 47956 (NY)*. **GREAT INAGUA:** Mathew Farm, 31 Oct 1904, *G. V. Nash 1383 (NY)*. **LONG CAY:** 7 Dec 1905, *L. J. K. Brace 4094 (NY)*. **LONG ISLAND:** on S edge of Clarence Town, 20 Nov 1977, *D. S. Correll 49167 (NY)*. **NEW PROVIDENCE:** Southwest Bay, 2 Sep 1904, *N. L. Britton 457 (NY)*; along Farringdon Rd., 2 Jun 1909, *P. Wilson 8336 (NY)*. **SOUTH ANDROS:** S edge of Driggs Hill, 24 Sep 1978, *D. S. Correll 50283 (NY)*. **SOUTH CAICOS:** 14 Dec 1907, *P. Wilson 7622 (NY)*. **THE WEST INDIES. GRAND TURK:** North Wells, 19 Dec 1975, *D. S. Correll 46495 (NY)*. **SOUTH CAICOS:** between Cockburn Harbour and airport, 11 Feb 1978, *D. S. Correll 49443 (NY)*. **U.S.A. ALABAMA. Franklin Co.:** about 2 mi NE of Russellville, 4 Oct 1948, *R. M. Harper 4097c (NY)*. **Greene Co.:** East of Tombigbee River, near Miller, 6 miles SW of Boligee, 14 Jul 1968, *H. L. Clark 3285 (BRIT)*; Boligee, center of historic downtown, 7 Dec 2010, *B. R. Keener 6281 (MISS*)*. **Houston Co.:** Dothan, Dothan Nurseries, along Hwy 231 at ca. 0.5 mi W of jct Hwy 431, 10 Sep 1994, *J. MacDonald 7656 (IBE*, USMS*, VSC)*. **Limestone Co.:** Port Dekatur, 6 Oct 1974, *R. Kral 54430 (VSC)*. **Morgan Co.:** Hartselle, *R. Kral 54412 (VSC)*; along Cotaco Creek on Wheeler Reservoir just downstream of Sharps Ford Bridge, ca. 2.5 mi SW of Triana, 15 Oct 1980, *D. H. Webb 3629 (TENN*)*. **ARIZONA. Cochise Co.:** ca. 0.25 mi SE of Turkey Creek Ranger Station adjacent to Turkey Creek, Chiricahua Mts., 31 Aug 1980, *Hodgson s.n. (COLO*)*; Mule Mountains, Banning Creek Canyon, ca. 2.5 mi NW of the tunnel at Bisbee on Hwy 80, 31 Aug 1984, *A. C. Sanders 5218 (COLO*)*; Laundry Ridge 11th Brigade Signal Corps site, 1.0 km N of the mouth of Huachuca Canyon, 22 Jul 1992, *Krohn 3065B (DES*)*; San Bernardino Ranch, 18 mi E of Douglas, 21 Aug 1981, *G. Marrs-Smith 853 (ASU*)*; 23 Aug 1981, *G. Marrs-Smith 1105 (ASU*)*; ca. 1/4 mi SE of Turkey Creek Ranger Station adjacent to Turkey Creek, Chiricahua Mountains, 31 Aug 1980, *Holler H-997 (DES*)*; Chiricahua National Monument, Echo Canyon Parking lot and down Echo Canyon trail ca. 1 mile from 6500 down, 2 Sep 1977, *R. F. Thorne 59203 (ASU*)*; Entrance road to Chiricahua National Monument, 0.3 mi inside Monument, 8 Sep 1974, *T. Reeves R-1690 (ASU*)*; Dragoon Mountains, rd to Abril Mine, 0.9 mi NW Sorin Camp, Pearce 15' Quad, 8 Sep 1983, *T. F. Daniel 3087 (ASU*)*; 1 Sep 1931, *S. W. Hutchinson 6804 (NO*)*; Cave Creek Canyon, Chiricahua Mountains, 21 Sep 1929, *G. J. Harrison 6168 (ARIZ*)*; Pat Hills, ca. 30 km SE of Willcox., Sulphur Springs Valley, 26 Sep 2015, *C. M. Roll 1255*

(ARIZ*); NE drainage slope of Dragoon Mountains NW of Pearce, near Cochise Stronghold. NE of jctn Treasure Rd and Cochise Stronghold Rd, 1 Oct 1996, *L. A. McGill 6868* (ASU*); Below nose of Cochise Head, Chiricahua Mts, 9 Oct 1980, *V. Roth s.n.* (USU*); Dragoon Mountains, Stronghold Canyon East, 23 Oct 1992, *W. Hodgson 6947* (DES*). **Coconino Co.:** shore of Lake Mary, near Flagstaff, 27 Aug 1923, *H. C. Hanson A911* (NY); Lee's Ferry, 21 Jul 1926, *D. V. Baxter s.n.* (MICH*); Flagstaff, 7 Aug 1884, *M. E. Jones 4018* (USU*); Rim Road, 2 miles N of AZ 160, 14 Sep 1964, *E. Lehto 4207* (ASU*); Paria Plateau, Vermillion Cliffs National Monument, 16 Sep 2003, *N. D. Atwood 29797* (DBG*); Lake #1, E of Woods Canyon Lake, 23 Sep 1967, *Taylor 4619* (ASU*). **Gila Co.:** Natural Drainages, Sierra Ancha Forest, 24 Aug 1961, *C. P. Pase 1294* (ARIZ*); Payson, 29 Aug 1968, *D. J. Keil 3733* (ASU*); 0.1 mile S of Payson on Beeline Hwy, *D. J. Keil 3759* (ASU*-2, DES*); Salt River and Salt River Draw, ca. 6 miles W of Salt River Canyon Bridge, 27 Sep 1968, *E. Lehto 14221* (ASU*); Christopher Creek., 1 Oct 1966, *E. Lehto 7289* (ASU*); Sierra Ancha Wilderness Area in Tonto National Forest, along intermittent stream along trail 124, on N side of Coon Creek Butte, 3 Oct 1992, *G. J. Imdorf 1080* (ASU*); Reynolds Creek Ranger Station, Sierra Ancha, 9 Oct 1931, *G. J. Harrison 8327* (ARIZ*). **Graham Co.:** Santa Teresa Mountains, BLM Wilderness, Spenzazuma Masonry Dam. T6S R21E S2 NW4. along trail., 15 Aug 1998, *J. J. Buegge 493* (ASU*); E side of Galiuro Mountains, 24 Aug 1945, *L. M. Pultz 1824* (ARIZ*); Swift Trail (#366), 15.9 mi from junction with Hwy 666, 5 Sep 1967, *E. Lehto 10246* (ASU*-2); Santa Teresa Mountains, Coronado National Forest, Laurel Canyon, 6 Sep 1998, *J. J. Buegge 537* (ASU*). **Maricopa Co.:** Tonto National Forest, Superstition Wilderness Area, Tortilla Creek, just off Hwy 88 ca. 1 mile E of Tortilla Flat, 30 Jun 1992, *K. C. Rice 1352* (ASU*); Fish Creek, 12 Jul 1926, *R. H. Peebles 2412* (ARIZ*); Tonto National Forest, wash on S side of Humboldt Mountain Road, ca. 0.1 mi from intersection with Seven Springs Rd, 21 Aug 2001, *S. Doan 977* (ASU*). **Mohave Co.:** volcanic domes just S of Knight Creek Rd, 5.5 mi S of Interstate 40, approx 35 mi E of Kingman, 20 Sep 2013, *J. M. Andre 28980* (ASU*). **Navajo Co.:** Heber area plants, approx. 5 miles NW of Heber, near plot 16, 11 Sep 1990, *T. Tharalson s.n.* (ASU*); Navajo Reservation, Skeleton Mesa, bedrock basins, 27 Sep 2003, *G. Rink 2904* (ASC*). **Pima Co.:** Soldier's Canyon, Oak Camp, Santa Catalina Mountains, 1 Aug 1908, *J. J. Thornber 2722* (NY); Tahylor Ranch, Rincon Mts., 1 Oct 1941, *L. Naegle s.n.* (COLO*); Sabino Canyon, Santa Catalina Mountains, 19 Sep 1945, *F. W. Gould 3312* (ASU*, **SMU, TAES**); 2 mi below Molino Basin, Santa Catalina Mts., 1 Oct 1951, *K. F. Parker s.n.* (COLO*); 14.3 mi E & N of Sells on AZ 86, 18 Sep 1966, *F. C. Vasek 660918-69* (COLO*); Coronado National Forest, Santa Catalina Mountains, General Hitchcock Campground, 11 Sep 2008, *R. Gutierrez 2241* (ASU*); Cienega Creek Natural Preserve, confluence of Cienega Creek and Agua Verde Creek, 16 Sep 2004, *J. Cowles s.n.* (SEINet*); 0.5 mile above dam in Box Canyon, Santa Rita Mts., 19 Sep 1963, *E. R. Blakley 6205* (DES*); Bobquivari Mountains, Thomas Canyon near Max Seep and Broken Trough Spring., 22 Sep 1982, *M. Mittleman 552* (ASU*); Rincon Mountains, Posta Quemada Canyon, 20 km SE of the edge of Tucson, 2.5 km WSW of Papago Spring, 28 Sep 2006, *M. A. Baker 16398* (ASU*); Tortolita Mountains, Tortolita Mountain Park, Rail X Ranch Rd access, 28 Sep 2013, *R. Lindley 290* (ASU, DES*); Taylor Ranch, Rincon Mountains, 1 Oct 1941, *A. Brown s.n.* (USU*); Rincon Basin, *S. C. Martin 128* (DES*); Sabino Canyon, Santa Catalina Mountains, 2 Oct 1940, *M. H. Buehler s.n.* (ASU*); Chimney Creek, Rincon Mountains, 6 Oct 1934, *T. H. Kearney 10477* (ARIZ*); Madera Canyon, Santa Rita Mts., 7 Oct 1934, *T. H. Kearney 10558* (ARIZ*). **Pinal Co.:** San Pedro River floodplain S of San Manuel, 3 Sep 2000, *K. Bagstad 197* (ASU*); Summit, Superior-Miami Hwy, 8 Sep 1929, *T. H. Kearney 6014* (ARIZ*); Superstition Wilderness Area. Heiroglyphic Spring, 2 mi N of US Hwy 60 at Gold Canyon Ranch turnoff, 12 Oct 1991, *K. C. Rice 848* (ASU*). **Santa Cruz Co.:** Pena Blanca Canyon, 17 Aug 1966, *H. Tate 385* (ASU*); Salero Ranch: Unit 1, Poorwill Canyon Ct, ~8.5mi E of Tubac, 22 Aug 2016, *S. Carnahan 1894* (SEINet*); Calabasas Canyon Camp Ground, 26 Aug 1971, *McLeod 770* (ASU*); Salero Ranch: N end of Fresno Canyon, 7 km WNW of Patagonia Lake, 26 Aug 2015, *S. Carnahan 1383* (ARIZ*); Pena Blanca Canyon, 1/2 mile S of Lake, 29 Aug 1966, *H. Tate 524* (ASU*); 9 miles E of Parker Lake, 1 Sep 1964, *E. Lehto 4075* (ASU*); Sycamore Canyon, 5 Sep 1955, *E. Lehto B1962* (DES*); Pena Blanca Canyon, 5 Sep 1966, *H. Tate 601* (ASU*); *H. Tate 610* (ASU*); Az 289 S of Pena Blanca, Rec. Area, 8 Sep 1976, *E. Lehto 20617* (ASU*); Pena Blanca Rd (AZ 289), 7 miles W of I-19, *E. Lehto L-20341* (ASU*); 2.5 miles W of Pena Blanca, Lake, 6 Oct 1967, *E. Lehto 9720* (ASU*); Sycamore Canyon, *E. Lehto 9924* (ASU*). **Yavapai Co.:** Apache Creek Wilderness Area, 28 Aug 1992, *M. A. Baker 10097* (COLO*); Prescott, 9 Aug 1930, *C. J. King 7261* (ARIZ*); Apache Creek Wilderness Area, ca. 600m SE of Granite Knob, T17N R6W NW1/4 SE1/4 s16, N 38 58 400, E 3 26 150, 28 Aug 1991, *M. A. Baker 10097* (ASU*, DES*); Crown King USGS 7.5' topographic quadrangle, Bradshaw Mountains, Horsethief Basin, 670 m ENE of Horsethief Tower, 800m W of E Fort, 8.5 km SW of Crown King, 28 Aug 2002, *M. A. Baker 14828* (ASU*); NW of Prescott, 1.2k NE of Jones Pass, 650m SW of Eagle Peak, TRS: T16N R5W S34 NE4 NW4, 30 Aug 1993, *M. A. Baker 11072* (ASU*); near Bull Basin Tank, ca. 9.5mi SE of Paulden and 1.5 mi SW of Duff spring on the Verde River, 2 Sep 2012, *F. S. Coburn 1152* (ASU*); Granite Basin Lake, 28 Oct 1968, *D. J. Keil 2789* (ASU*). **Yuma Co.:** Cabeza Prieta National Wildlife Refuge, Las Playas (USGS digital 7.5' map, NAD 27), 28 Nov 2001, *R. S. Felger 01-576* (ASU*). Rillita River, near Camp Lowell, 16 Jan 3871, *C. G. Pringle s.n.* (SMU). **ARKANSAS. Baxter Co.:** 2 mi SW of Mt. Home, 15 Sep 1974, *B. Lipscomb 242* (UARK*). **Benton Co.:** 16 Sep 1928, *H. R. Pyle s.n.* (UARK*); 22 Sep 1928, *D. Demaree 5460* (UARK*); Ozark Plateau, 14 mi NE of Fayetteville, 8 Aug 1940, *D.*

M. Moore 400280 (UARK*); 6 Aug 1986, *E. B. Smith 3943* (UARK*); 1940, *D. M. Moore 400319* (UARK*). **Chicot Co.:** W of Greenville, MS across Lake Furguson and SW Archer Island, 21 Sep 1990, *C. T. Bryson 10440* (IBE*, UARK*, VDB); Lake Chicot, across from jct hwy AR 144 & 257, 19 Sep 1994, *C. Bryson 14414* (FSU*, IBE*-2, MICH*, TENN*, VDB, VSC); open area along Mississippi River at the US 82 bridge E of Lake Village, 1 Oct 1999, *R. D. Thomas 163680* (NY, TENN*); 14 Sep 2000, *R. D. Thomas 167186* (UARK*); Chicot Lake County Park, N side of Lake Chicot (N33° 16.782' W 91° 13.431'), 15 Oct 2004, *C. Bryson 20413* (LSU*, VSC). **Craighead Co.:** 14 Jun 1927, *D. Demaree 3366* (UARK*); *D. Demaree 3367* (NY). **Crawford Co.:** 26 Jul 1990, *D. Sadler 446* (UARK*). **Cross Co.:** Leverpine, 2 Aug 1927, *D. Demaree 3913* (NY). **Faulkner Co.:** 9 Jun 2005, *R. McElderberry 1539A* (UARK*). **Franklin Co.:** 3 Aug 1978, *G. Barber 1187* (UARK*). **Independence Co.:** E bank of White River at Lock & Dam #2, N of Batesville, 29 Jul 1969, *R. D. Thomas 15914* (VDB); 7 Aug 1975, *V. Board s.n.* (UARK*); 28 Sep 1991, *R. D. Thomas 125739* (TENN*). **Izard Co.:** 13 Aug 1942, *D. Demaree 23747* (SMU); 22 Jun 1945, *D. M. Moore 450690* (UARK*); 14 Oct 1967, *G. E. Tucker 6810* (NCU*). **Lincoln Co.:** 18 Aug 2005, *R. McElderberry 2953* (UARK*). **Madison Co.:** 16 Oct 1988, *M. Stewart 88-341* (UARK*). **Marion Co.:** 31 May 1941, *D. M. Moore 410508a* (UARK*). **Montgomery Co.:** Lake Ouachita, 1 Oct 1962, *D. Demaree 46630* (SMU); Lake Ouachita, Joplin, 12 Sep 1971, *D. Demaree 64226* (VDB); 6 Jul 1993, *E. Sundell 10606* (UARK*). **Ozark Co.:** above Calico Rock, 10 Sep 1969, *D. Demaree 60975* (VDB-2). **Perry Co.:** 9 Jun 2005, *R. McElderberry 1556* (UARK*); by the Arkansas River, about 7 mi S of Conway, by Hwy 60 in Toad Suck W Park, Arkansas River, 23 Sep 1978, *E. B. Smith 3473* (LSU*, UARK*); 24 Sep 2001, *D. Walter 31* (UCAC*); *W. McFall 37* (UCAC*). **Phillips Co.:** Mariana-Helena Recreational Area, 17 Jul 1955, *D. Demaree 37457* (SMU). **Polk Co.:** 4 Oct 1992, *R. D. Thomas 131997* (TENN*). **Pope Co.:** Russellville, at Marriott Hotel along Interstate hwy 40 at AK Hwy 7 at 120 E Hamell St, 8 Sep 2006, *P. Hyatt 12086* (VSC). **Pulaski Co.:** North Little Rock, Burns Park, 16 Aug 1979, *J. Kessler 3094* (SMU, TAES); SW 1/4, S 34, T1N, R12W, 6 Jun 1982, *J. Rettig 651* (VDB). **Searcy Co.:** 1 Oct 1944, *D. Demaree 25294* (SMU). **Stone Co.:** 9 Sep 1993, *M. A. Beer 93-245* (UARK*). **Van Buren Co.:** 6 Sep 1993, *M. A. Beer 93-243* (UARK*). **Washington Co.:** 29 Aug 1967, *G. E. Tucker 6328* (NCU*); 1 Oct 1994, *E. B. Smith 4314* (UARK*). **Yell Co.:** 26 Sep 2003, *S. Nunn 9247B* (UARK*); 24 Sep 1970, *D. Demaree 62990A* (IBE*). **CALIFORNIA. Butte Co.:** N Chico, 0.3 mi N jct. Nord Hwy and Esplanade, btwn Explanade and Hwy CA 99, 30 Jul 2006, *R. Carter 17097* (VSC); Jonesville, 17 Jul 1931, *E. B. Copeland 612* (MICH*, NY); Chico, 27 Jul 1903, *E. B. Copeland 3489* (MICH*). **Fresno Co.:** 17 Aug 1948, *H. L. Mason 8342* (FSU*); Sierra Nevada Mountains, Tehipite Valley, Jul 1900, *H. M. Hall 510* (CM*). **Glenn Co.:** ca. 0.4 mi SSW of Butte City, edge of W side of Sacramento River, ca. 0.4 mi N of it's crossing by route 162, 29 Jul 2006, *R. F. C. Naczi 11371* (NY); ca. 0.4 mi SSW of Butte City, edge of W side of Sacramento River, ca. 0.4 mi N of its crossing by route 162, 29 Jul 2006, *R. F. C. Naczi 11371* (MICH*). **Kern Co.:** Kern River, Kernville, 10 Oct 1990, *M. J. Oldham 12087* (MICH*). **Lake Co.:** Bog Lake, 5 Aug 1948, *M. S. Jussel 24736* (SMU); 31 Jul 1974, *R. F. Thorne 44952* (FSU*). **Los Angeles Co.:** 10 Aug 1931, *F. R. Fosberg 4902* (NO*); 22 Oct 1933, *L. C. Wheeler 2193* (NO*). **Mariposa Co.:** 17 Aug 1930, *F. W. Peirson 9241* (NO*). **Plumas Co.:** 15 Aug 1959, *P. Rubtsoff 4220* (NO*); along Feather River, 1 mi SW of Beckwourth, 6 Sep 1969, *R. F. Thorne 39231* (MICH*). **Riverside Co.:** Peninsular Range: Gavilan Hills, ca. 0.75 mile S-SE of Stelle Peak, 0.6 mile E of Hammack Ranch, and 5 miles N-NE of Lake Elsinore (Lake Elsinore 7.5' Q.), 6 Jun 2005, *T. B. Salvato 1420* (ARIZ*); San Jacinto Mountains State Park, Hidden Lake area, NE of Hidden Divide, SE of Long Valley, near head of Hidden Fork of Tahquitz Creek, 30 Jul 2005, *S. Boyd 11649* (UCR*); 31 Aug 1930, *J. Ewan 2143* (NO*). **Siskiyou Co.:** 3 mi SW of Scott Bar on Hwy 7F-01 towards Kelsey Creek along Scott River, 41° 43' 39.5" N, 123° 0' 34.7" W, 8 Aug 2006, *P. M. Paterson 19737* (NY); 16 Aug 1881, *C. G. Pringle s.n.* (NY, SMU). **Tulare Co.:** Sierra Nevada, Kern River Drainage, 1/2 mile E of the R.M. Pyles Boys Camp, Lloyd Meadows Basin, Sequoia National Forest, 13 Jul 1973, *J. R. Shevock 2937* (MICH*). **Tuolumne Co.:** Miguel Meadow, W of Hetch-Hetchy, 10 Jul 1938, *H. L. Mason 11903* (MICH*, NO*, SMU). **COLORADO. Alamosa Co.:** San Luis Valley. Bank of the Rio Grande, 30 Jul 1936, *F. Ramaley 15762* (COLO*); San Luis Valley, edge of Rio Grande River, 28 Aug 1967, *J. Lewis s.n.* (ASU*); Alamosa, 7 Sep 1930, *F. Ramaley 12694* (COLO*); 10 miles SW of Alamosa, 9 Sep 1934, *F. Ramaley 14508* (COLO*). **Boulder Co.:** 3 Aug 1949, *W. A. Weber 5014* (NCSC*); University of Colorado Campus, parking area at Wardenburg Health center, 14 Jul 2001, *W. A. Weber 19452* (COLO*); Marshall, 24 Jul 1935, *F. Ramaley 15166* (COLO*-2); Between Boulder and Marshall, 3 Aug 1949, *W. A. Weber 5014* (COLO*); Boulder, 7 Aug 1915, *A. J. Evans 240* (COLO*); along ditches, Arapahoe Road, Boulder, 16 Aug 1906, *F. Daniels 253* (COLO*); Stapp's Lake, 19 Aug 1908, *W. W. Robbins 5996* (COLO*); Boulder Mt. Parks, Lower Enchanted Mesa, 29 Aug 1992, *T. Hogan 1992* (COLO*); Temporary pool, filled in early summer by overflow from Baseline Lake, W of Cherryvale Road and the Lake, 4 mi E of Boulder, 1 Oct 1979, *R. Wittmann 868* (COLO*). **Denver Co.:** 21 Aug 1964, *R. K. Godfrey 64599* (FSU*); Bear Valley Subdivision, Traylor Middle School, Bates Hobart Park, by sidewalk and street along Columbia Pl, near Gray St, 27 Jul 2013, *J. L. Wingate 9884* (DBG*); along the Platte River, Denver, 13 Aug 1878, *M. E. Jones 601* (MISSA*); Kennedy High School between Sheridan and Wadsworth Blvds at Bear Creek, 25 Aug 1995, *J. L. Wingate 5826* (DBG*). **Douglas Co.:** W Plum Creek, 1.5 miles S of Sedalia, 17 Aug 1993, *R. Brune s.n.* (COLO*, DBG*); Plum Creek, between Sedalia and Louviers, Cross section 2L, 27 Aug 1991, *Friedman 25* (COLO*); Duncan Ranch, ca. 1 mile SW of Sedalia, along E

Plum Creek, 14 Sep 1999, *K. Lucero 99-54* (COLO*). **El Paso Co.:** Black Forest, Pineries Open Space, ca. 17 miles NE of Colorado Springs, 17 Jul 2015, *P. Regensberg 2268* (DBG*). **Fremont Co.:** Above flood plain of 8 Mi Creek, Upper Beaver Cr drainage, near intersection 132 Rd, 24 Jun 2000, *T. Kelso 00-57* (COLO*). **Jefferson Co.:** S Table Mountain, W side of pond, 12 Jul 1983, *J. L. Wingate 2518* (DBG*); Front Range, S Table Mt, 10 Aug 1991, *L. Yeatts 3092* (COLO*, DBG*). **Larimer Co.:** Fort Collins, 12 Aug 1995, *E. C. Wheeling s.n.* (COLO*); Roosevelt Forest, Cottonwood Creek, 14 Aug 1941, *P. F. Gilbert 5G* (DBG*); near Quarry Cove on the W side of Horsetooth Reservoir, 20 Sep 1996, *J. Sanderson 1460* (COLO*). **Lincoln Co.:** Hugo, 14 mi S, 1 mi E Hugo State Wildlife Management Area, N part, 23 Aug 2000, *C. C. Freeman 16476* (COLO*). **Logan Co.:** Edge of S Platte River, 2 Sep 1971, *J. Taylor 9001* (BRIT). **Montezuma Co.:** Summit Reservoir, near Mancos, 19 Aug 2012, *M. Licher 3624* (COLO*). **Pueblo Co.:** Pueblo Chemical Depot, 31 Aug 1998, *S. Kettler s.n.* (COLO*). **Saguache Co.:** Baca National Wildlife Refuge, San Luis Valley, ca. 1.5 air miles SW of Crestone, about 1/2 mile S of Co. Rd T where refuge road to headquarters crosses Crestone Creek., 19 Jun 2012, *M. Islam 12-256* (DBG*). **Sedgwick Co.:** 1 mi S Julesburg, 16 Sep 1946, *H. D. Harrington 2332* (DBG*). **Weld Co.:** Roggen, 18 Jul 1935, *F. Ramaley 15157* (COLO*); 3 miles W of Roggen near US highway 76, 18 Jul 1985, *J. L. Wingate 4089* (DBG*); Roggen, 26 Jul 1930, *F. Ramaley 12415* (COLO*); along Lone Tree Ck near Hwy 85 ca. 4 mi N of Nunn, 15 Aug 1984, *E. Neese s.n.* (CS*). **Yuma Co.:** approx. 12 mi NW of Idalia, along the S side of Arikaree River, E of county rd, 14 Aug 2008, *D. Clark 2770* (COLO*, DBG*); Arikaree River, 11 miles NW of Idalia on W side of DD Rd, 21 Aug 2014, *D. Clark 4177* (COLO*); Arikaree River State Natural Area, approx. 6 miles NNW of Idalia, Arikaree River below bridge along CR DD, 10 Sep 2012, *D. Clark 3585* (COLO*); Bonny Reservoir, E shore of N Cove, just S of campground, 14 Sep 1999, *J. L. Wingate 6688* (DBG*). **CONNECTICUT. Hartford Co.:** E Windsor, 17 Sep 1899, *C. H. Bissell s.n.* (IND*); Glastonbury, on N side of Great Pond, 29 Sep 1989, *L. J. Mehrhoff 13093* (MICH*). **Litchfield Co.:** Gaylordsville, Connecticut, 29 Aug 1904, *E. H. Eames 5081* (IND*). **New London Co.:** Lyme, 25 Aug 1935, *K. P. Jansson s.n.* (DBG*). **Tolland Co.:** Strand of Hop River, 30 Aug 1957, *F. C. Seymour 17620* (SMU). **DELAWARE. Iowa Co.:** Delhi Twp. Sec. 21 Silver Lake Park, 10 Sep 1963, *M. D. Rickey 2415* (BRIT). **FLORIDA. Collier Co.:** S of US 92 jct FLA 951 near Caxambas Pass, 6 Oct 1965, *O. Lakela 29238* (NY). **Duval Co.:** cultivated ground near Jacksonville, 14 Oct 1898, *A. H. Curtiss 6269* (NY). **Franklin Co.:** Frequent in shallow water of ephemeral pool on much disturbed area, sandy-peaty soil, by Apalachicola Bay, Apalachicola, 25 Sep 1975, *R. K. Godfrey 74511* (TTRS*). **Gadsden Co.:** 7 Oct 1976, *S. W. Leonard 6641* (NCU*); Lake Seminole, 6 Aug 1977, *H. McIntyre s.n.* (VSC); Apalachicola River, at Chattahoochee, 3 Sep 1990, *R. Godfrey 83970* (VSC); 22 Jun 1975, *R. K. Godfrey 74364* (IBE*); Abundant in mud, in and out of shallow water of temporary pools, open area of floodplain of Apalachicola River, just below Jim Woodruff Dam, (TTRS*); Very abundant in shallow soil over exposed limerock (exposed because river at very low water level), Apalachicola River, below US 90 bridge, Chattahoochee, 19 Jul 1986, *R. K. Godfrey 82048* (TTRS*). **Hillsborough Co.:** 13 Sep 1989, *R. Mears 20* (FLAS*). **Jackson Co.:** W bank Apalachicola River at river mile 96.5, 25 Oct 1984, *G. Jr. 11154* (TTRS*). **Leon Co.:** Elinor Klapp-Phipps Park (S of Miller Landing Rd, N side of Tallahassee), 28 Aug 2014, *L. Anderson 28364* (VSC). **Liberty Co.:** 29 Oct 1973, *J. W. Wooten 2314* (FLAS*); NW of C-333, ca. 1.5 mi W of Rte 12, 9 air mi SSW of Bristol, T2S, R8W, NW 1/4 Sec 16, 13 Sep 2001, *L. C. Anderson 19952* (VDB); common on alluvial sand/gravel, shores of the Apalachicola River after river level has been down for some time, Torreya State Park, 28 Oct 1973, *R. K. Godfrey 73087* (TTRS*). **Monroe Co.:** 25 Aug 1949, *C. R. Jackson s.n.* (DUKE*); 1 Sep 1954, *R. F. Thorne 14993* (NCSC*); 18 Nov 1971, *G. N. Avery 1074* (FLAS*); along N edge of Watson Hammock, Big Pine Key, 18 Feb 1988, *A. Herndon 1827* (LSU*); SE Hammock, Big Pine Key, 24 Nov 1951, *E. P. Killip 41451* (MICH*). **Polk Co.:** about 3 mi S of Eagle Lake, vicinity of Winter Haven, 29 Nov 1930, *J. B. McFarlin 3907* (MICH*). **GEORGIA. Barrow Co.:** Winder, Lilly Dr, about 0.25 mi E of jct of Horton Rd, 10 Oct 1983, *J. Allison 1883* (UGA). **Butts Co.:** about 3.5 mi NNE of Jackson, 0.4 mi SW of Cedar Rock Church, ca. 0.05 mi E through woods from GA hwy 36, 10 Oct 1986, *J. Allison 2803* (UGA). **Carroll Co.:** ca. 4 mi S Carrolltown on US 27, 30 Jul 1967, *R. Kral 28837* (BRIT); about 2.75 mi WNW of Villa Rica, just N of US hwy 78, between jct of county rd 677 and Little Tallapoosa River, 8 Aug 1987, *J. Allison 2932* (UGA). **Clarke Co.:** along Oconee R., behind U. campus, Athens, 20 Sep 1946, *A. Cronquist 4151* (SMU); Athens, E side of Oconee River, just S of US hwy 78, 9 Sep 1978, *J. Allison 587* (UGA); 29 Sep 1979, *J. R. Manhart 13* (MARY*, NCSC*); *M. D. Tomalski 8* (IBE*, NCU*); 29 Sep 1979, *J. R. Manhart 13* (IBE*). **Cobb Co.:** Kennesaw Mountain National Military Park, S side of Little Kennesaw Mountain, 8 Aug 1980, *J. Allison 1529* (CLEMS*, UGA). **Columbia Co.:** 8 mi E of Appling, 10 Oct 1936, *J. Pyron 1038* (UGA). **Coweta Co.:** NW corner of county, ca. 2.5 mi NNW of Handy, ca. 1.3 mi NNE of New Elim Church, 11 Nov 1979, *J. Allison 1118* (UGA). **DeKalb Co.:** 10 Sep 1937, *D. S. Correll 8380* (DUKE*); outcrop of granite geniss, 2 mi N of Lithonia, 20 Aug 1950, *G. W. McDowell 634* (NY); by hwy GA 155, 0.4 mi N of Henry Co. line and 14.9 mi N of McDonough, 1 Aug 1989, *R. Carter 8007* (NY); Stone Mountain, 8 Sep 1964, *W. H. Murdy s.n.* (GEO*); Little Stone Mountain, 18 Mar 1883, *J. K. Small s.n.* (SMU); Jun 1896, *W. W. Ache* (NCU*); 25 Jul 1893, *J. K. Small 7923* (FSU*); Little Vine Rd, 7 Jul 1793, *J. Small s.n.* (UGA); 7 Jul 1893, *J. K. Small 7886* (FSU*). **Douglas Co.:** About 6.5 mi WNW of Douglasville, ca. 2.4 mi NW of Winston, about 800 ft N of Brewer Rd (county rd 286) at a point ca. 0.25 mi E of crossing of Town Branch, 8 Aug 1987, *J. Allison 2930* (UGA). **Douglas Co.:** 3 mi SE

Douglasville on Interstate 20, 29 Jul 1967, *R. Kral 28783 (BRIT)*. **Elbert Co.:** 2.5 mi S 14° E of Elberton, 7 Jul 1950, *W. Duncan 11518 (UGA)*; 26 Jul 1950, *W. H. Duncan 11518 (NY)*; 28 Aug 1955, *G. W. McDowell s.n. (DUKE*)*; 6.5 mi SSW of Elberton, 5.5 mi SE of Oglesby, Above E bank of Cedar Creek, at a point ca. 0.5 mi N of county rd 67, 4 Apr 1986, *J. Allison 2634 (UGA)*. **Fayette Co.:** Lees Lake Rd, about 1.5 mi S of jct of River Rd, 10 Oct 1983, *J. Allison 1905 (UGA)*. **Fulton Co.:** W of Palmetto, Old Rico Rd, about 0.4 mi NW of jct of Atlanta-Newnan Rd, *J. Allison 1891 (UGA)*. **Glynn Co.:** Brunswick, port area on S side of town, along Shipyard Road, 21 Sep 1991, *R. Carter 9253 (VSC)*; 10 Dec 1991, *R. Carter 9560 (VSC)*. **Greene Co.:** 26 Sep 1971, *S. B. Jones 21533 (NCU*)*. **Hancock Co.:** 5.25 mi ESE of Sparta, 3.6 mi SSE of Culverton, County Rd 216, ca. 0.25 mi W of jct with county rd 52, 9 Sep 1986, *J. Allison 2751 (UGA)*. **Hart Co.:** 5.3 mi NNE of Vanna, 1.5 mi NNE of Goldmine, About 0.2 mi E of county rd 141 at a point ca. 0.45 mi NW of jct with county rd 140, 10 Oct 1986, *J. Allison 2797 (UGA)*. **Jeff Davis Co.:** Bullard Creek WMA, 1st left off 15S after cross Altamaha River, 7 Jul 2000, *H. Holland 605 (UGA)*; Bullard Creek WMA, left off 29S after cross Altamaha River, 10 Oct 2001, *H. Holland 702 (UGA)*. **Johnson Co.:** 3 mi E of Wrightsville, 6 Jun 1938, *J. Pyron 3072 (UGA)*. **Lamar Co.:** 0.1 mi S of the confluence of Tobesofkee and Reeves Creeks, about 4.5 mi SE of Barnesville, 11 Nov 1979, *J. Allison 1097 (UGA)*. **McDuffie Co.:** about 1.8 mi SSW of Raysville, about 0.1 mi W of GA hwy 43, just N of jct with county rd 233, 9 Sep 1986, *J. Allison 2763 (UGA)*; Area of the Fall Line Sand-hills, vicinity of Thomson, 29 Aug 1907, *H. H. Bartlett 966 (IND*, MICH*)*. **McIntosh Co.:** Darien, bank of Darien R. at foot of Screven St, 21 Sep 1991, *R. Carter 9275 (VSC)*; 10 Dec 1991, *R. Carter 9559 (VSC)*. **Meriwether Co.:** about 4.5 mi SE of Greenville, N side of GA hwy 18, 11 Nov 1983, *J. Allison 1947 (UGA)*. **Newton Co.:** about 4.4 mi NE of Covington, Cornish Mountain Rd (county rd 80), ca. 0.3 mi S of jct with Flat Rock Rd (county rd 509), 10 Oct 1987, *J. Allison 3001 (UGA)*. **Oconee Co.:** Near jct of Oconee, Morgan and Walton Counties, High Shoals on Apalachee River, 10 Oct 1986, *J. Allison 2805 (UGA)*; GA hwy 186 and High Shoals on Alalachee River, 7 Jul 1991, *J. Seward 428 (UGA)*. **Oglethorpe Co.:** 0.5 mi S of Lexington, 9 Sep 1937, *J. Pyron 1857 (UGA)*; 4 Aug 1941, *W. H. Duncan 3806 (CLEMS*)*; Echols mill Rock Outcrop SE of Point Peter, 8 Aug 1941, *W. Duncan 3824 (UGA)*. **Pickens Co.:** disturbed bottom at Talking Rock Creek just N of and along Hwy GA 5, 0.4 mi SE of jct, with Hwy GA 136 in Talking Rock, 14 Sep 1991, *R. Carter 9136 (VSC)*. **Pike Co.:** 7 mi W of Concord, 8 Aug 1937, *J. Pyron 1830 (UGA)*. **Rockdale Co.:** 6 mi SW of Logansville, 10 Oct 1936, *J. Pyron 1132 (UGA)*; NE of Milstead, Hi-Roc Shores subdivision, Hi-Roc Circle, 0.1 mi S of jct with Hi-View Dr, 11 Nov 1983, *J. Allison 1961 (UGA)*. **Tift Co.:** Tifton, 0.2 mi. W jct of hwy I-75 and US 82, S of Hwy US 82, 1 Aug 2001, *C. Bryson 18978 (VSC)*. **Walton Co.:** 1 mi E of Loganville, 8 Aug 1940, *W. Duncan 2868a (UGA)*. **Ware Co.:** Waycross, jct Blackshear St and State St (hwy US 1), 18 Aug 1988, *R. Carter 7328 (VSC)*. **Washington Co.:** 3 mi N of Harrison, 6 Jun 1938, *J. Pyron 3096 (UGA)*; **IDAHO.:** 18 Aug 1966, *R. Spellenberg s.n. (COLO*)*. **ILLINOIS. Adams Co.:** in Burton Creek, 20 Jul 1944, *R. R. Brinker 3567 (ILLS*)*; NW of Quincy, 8 Sep 1960, *R. A. Evers s.n. (ILLS*)*; Mississippi River, at ferry landing S of Meyer, 8 Oct 1963, *R. A. Evers 78408 (ILLS*)*; S of Meyer, 8 Oct 1968, *R. A. Evers 98095 (ILLS*)*; NW of Quincy, 9 Oct 1963, *R. A. Evers 78436 (ILLS*)*; Mississippi River, NW of Quincy, *R. A. Evers 78455 (ILLS*)*. **Alexander Co.:** Common at dump site in compacted soil at Horseshoe Lake Conservation Area, 26 Jun 1996, *M. A. Basinger 10862 (ILLS*)*; Illinois Route 3 (FAP 312), McClure, SE side, periodically ponded area, N of the east-W Devil's Island Road (508E), just N of town line. Opposite abandoned barn, McClure 7.5 minute USGS quadrangle, 28 Aug 2001, *S. R. Hill 34239 (ILLS*, MICH*)*; Degraded floodplain forest with open sandy habitat along a ditch bordering a soybean field, 8.2 mi S of IL 3 & IL 146 junction, W side of IL 3, McClure 7.5 minute Quadrangle, 29 Aug 2001, *J. A. Koontz 199 (ILLS*)*; 19 Sep 1951, *R. A. Evers 32832 (ILLS*)*; 1 mile N of Gale, 23 Sep 1953, *R. A. Evers 41507 (ILLS*)*; Mississippi River, 2.5 miles S of Thebes, 14 Oct 1958, *R. A. Evers 59374 (ILLS*)*; Mississippi River, SW of McClure, 21 Oct 1958, *R. A. Evers 59702 (ILLS*)*; at Fayville, 24 Oct 1957, *R. A. Evers 55783 (ILLS*)*. **Bureau Co.:** in Bureau Creek, N of Princeton, 3 Oct 1969, *R. A. Evers 101608 (ILLS*)*. **Calhoun Co.:** W Point Landing, S of Batchtown, 27 Jul 1960, *R. A. Evers 65936 (ILLS*)*; S of W Point Landing, 16 Sep 1959, *R. A. Evers 62126 (ILLS*)*; W Point Landing, *R. A. Evers 62213 (ILLS*)*; Calhoun Landing, SE of Brussels, 17 Sep 1959, *R. A. Evers 62234 (ILLS*)*; W Point Landing, S of Batchtown, 26 Sep 1963, *R. A. Evers 77903 (ILLS*)*; Mississippi River mi 222.7, 4 Oct 1980, *M. C. Reese 2039 (ILLS*)*; Mississippi River, Cap au Gris bluff, SW of Batchtown, 13 Oct 1966, *R. A. Evers 89685 (ILLS*)*; *R. A. Evers 89702 (ILLS*)*. **Cass Co.:** 40.00433° N Lat, 90.44167° W long, Illinois River floodplain, NW of shopping center and Wal-Mart store, N of Carp Ln., Beardstown, 23 Aug 2006, *S. R. Hill 37030 (ILLS*, MICH*, NY)*; W side of US Rt. 67, 13.0 kilometers S-SW of Beardstown, S of Indian Creek, Hobrock farm, 23 Jul 2008, *S. R. Hill 37856 (ILLS*)*; along "six mile road", E of junction with Clayton Road, 5 miles SE of Beardstown, 1 Sep 1987, *K. R. Robertson 4538 (ILLS*)*; Beardstown, vicinity of dug out sand pond W of WalMart shopping center, Beardstown 7.5 minute quadrangle, 5 Sep 1996, *S. R. Hill 28689 (ILLS*)*; E of Beardstown, 21 Sep 1964, *R. A. Evers 81732 (ILLS*)*; in the vicinity of Chandlerville, Clear Lake 7.5 minute topographic map, 24 Sep 1996, *M. G. Harper 197 (ILLS*)*. **Champaign Co.:** Salt Fork, near Penfield, 19 Sep 1952, *F. B. Buser 2732 (IND*)*. **Clark Co.:** SW of Clark Center, 2 Aug 1973, *R. A. Evers 111154 (ILLS*)*. **Coles Co.:** Charleston: EIU campus, at Carman Pond, 29 Aug 2002, *G. C. Tucker 13165 (EIU*)*; Fox Ridge State Park, between the Embarras River and IL 130, ca. 8 miles S of Charleston, E of the parking area at end of S-most road,

along river, 4 Oct 2010, *J. R. Abbott 25862* (FLAS*). **Cook Co.:** Chicago, 8 Aug 1998, *T. G. Lammers 10713* (F*); Riverside, 14 Aug 1884, *W. C. Ohlendorf s.n.* (F*); S Chicago, 15 Aug 1901, *A. Chase 1688* (F*); Chicago, 6 Sep 1902, *A. Chase 1996* (F*); 10 Sep 1900, *L. J. R. Wessin s.n.* (F*); 22 Sep 1902, *H. W. Clark 34* (F*). **Crawford Co.:** 4 miles N of Palestine, 1 Oct 1959, *R. A. Evers 62683* (ILLS*). **Dekalb Co.:** Clinton Township, near Waterman, 6 Sep 1896, *G. Greeley s.n.* (MOR*). **Du Page Co.:** parking lot 19, W of arboretum, Morton Arboretum, Lisle, 30 Jun 1991, *C. J. Way 45* (EKY*). **DuPage Co.:** Morton Arboretum, Thornhill Parking Lot #19, 6 Jul 1991, *L. Skizas* (MOR*); Hinsdale, 1 Oct 1902, *E. C. Smith 657* (F*). **Effingham Co.:** SW of Mason, 28 Aug 1958, *R. A. Evers 58242* (ILLS*). **Fayette Co.:** EX Western Illinois University, R.M. Myers Herbarium (MWI), Accession #19882, 10 Sep 1978, *P. Shildneck 10310* (ILLS*); S of Ramsey, E shoulder of route 51 SE of route 51 bridge over Ramsey Creek, *P. Shildneck C10310* (MWI*). **Fulton Co.:** Illinois River, 7 Sep 2006, *M. J. C. Murphy 1753* (ILLS*). **Gallatin Co.:** at Shawneetown, 19 Jun 1962, *R. A. Evers 74208* (ILLS*); N-NE end of Round Pond (Oxbow lake of the Ohio River), 10 Aug 1988, *L. R. Phillippe 13542* (ILLS*); Round Pond, N of Shawneetown, 10 Sep 1965, *R. A. Evers 85360* (ILLS*); at Shawneetown, 17 Sep 1964, *R. A. Evers 81706* (ILLS*); Ohio River, at Old Shawneetown, 6 Oct 1959, *R. A. Evers 62854* (ILLS*). **Greene Co.:** N of Eldred, 29 Oct 1963, *R. A. Evers 78681* (ILLS*). **Grundy Co.:** W side IL Rt. 47, 1.6 mi S of Illinois River bank, Morris, 18 Sep 1966, *S. R. Hill 28766* (BRIT, TAES). **Hancock Co.:** NE of Nauvoo, 8 Sep 1960, *R. A. Evers 67649* (ILLS*); Mississippi River, at Warsaw, 8 Oct 1963, *R. A. Evers 78378* (ILLS*). **Henry Co.:** Few feet N of Penny slough, 1 Aug 1936, *R. J. Dobbs s.n.* (ILLS*); N of W Penny Slough, Rock River region, 1 Aug 1936, *R. J. Dobbs s.n.* (ILLS*); along the N side of Penny Slough, Rock River region, 15 Aug 1936, *R. J. Dobbs* (ILLS*); N side of Penny Slough, (ILLS*). **Iroquois Co.:** NE of Beaverville, 21 Aug 1951, *R. A. Evers 32096* (ILLS*); Conservation Area, NE of Beaverville, 7 Sep 1965, *R. A. Evers 85029* (ILLS*); NE of Beaverville, 10 Sep 1970, *R. A. Evers 103692* (ILLS*); *R. A. Evers 103709* (ILLS*); 3 miles NE of Beaverville, 4 Oct 1962, *R. A. Evers 75495* (ILLS*). **Jackson Co.:** bank of Mississippi R. 1.4 mi SW of Cora, 31 Jul 1989, *R. Carter 7971* (VSC); Big Bayou, E of Howardton, 21 Oct 1952, *R. A. Evers 36378* (ILLS*). **Jasper Co.:** Prairie Ridge State Natural Area: CIPS Management Area, shore of Newton Lake, 7 Sep 2007, *G. C. Tucker 15167* (EIU*); Embarrass River, W of Falmouth, 4 Oct 1963, *R. A. Evers 78297* (ILLS*). **Kankakee Co.:** Liebert (The Nature Conservancy Property), St. Anne Township, St. Anne 7.5 minute topographic map, 25 Jul 2002, *D. T. Busemeyer 980* (ILLS*); Kankakee, 10 Aug 1913, *A. W. Deselm 517* (F*); 23 Aug 1916, *E. E. Sherff 10* (F*); Altorf Island in the Kankakee River, W side, 23 Aug 1916, *O. E. Lansing 10* (MICH*); 24 Aug 1947, *J. A. Steyermark 64874* (F*); Kankakee Sands Area Section of the Grand Prairie Natural Division of Illinois, Momence Wetlands Nature Preserve, floodplain on the S shore of the Kankakee River, about 9 mile E of Momence, 24 Sep 1998, *L. R. Phillippe 29882* (ILLS*); Kankakee River State Park, 29 Sep 1966, *R. A. Evers 89516* (ILLS*). **Kendall Co.:** W long, S margin of Fox River, North of Fox Rd, 3 mi W of Yorkville, 26 Aug 2005, *S. R. Hill 36656* (ILLS*, MICH*, NY); in S side of Fox River, at W tip of island in middle of river, N of Sundown Lane, W end of town/county forest reserve [Oswego Park District land] E of residential area, Oswego, E of Yorkville, 4 Aug 2005, *S. R. Hill 36549* (ILLS*); On island in Fox River, just S of the U.S. 30 bridge, 19 Sep 1973, *R. Schulenberg 73-442* (MOR*). **Knox Co.:** Nursery, W, jct of US Rt 34 & St Rt 134, W of Galesburg, 14 Jul 2000, *A. W. Cusick 35544* (MICH*). **La Salle Co.:** SW of Naplate, 9 Jul 1975, *R. A. Evers 114800* (ILLS*). **Lake Co.:** Des Plaines River Wetlands Demonstration Project, Wadsworth, SE of Wadsworth Rd and Route 41 jct., 28 Jul 1987, *J. Mengler 446* (MOR*). **Lawrence Co.:** Roadside, along Sand Ridge, about 4 mi E of Lawrenceville, 22 Jul 1966, *N. C. Henderson 66-621* (MO*); Chauncey Marsh, Chauncey 7.5 minute quadrangle, 4 Aug 1995, *L. R. Phillippe 26738* (ILLS*); Wabash River, at Russellville, 3 Oct 1963, *R. A. Evers 78196* (ILLS*); Wabash River, at St. Francisville, 25 Oct 1960, *R. A. Evers 68179* (ILLS*); 31 Jul 1950, *N. C. Henderson 1752* (HUNT*). **Lee Co.:** The Green River State Wildlife Area is in the Green River Lowland Section of the Grand Prairie Natural Division of Illinois, 14 Aug 2002, *L. R. Phillippe 34699* (ILLS*); Green River Lowland Section of the Grand Prairie Natural Division of Illinois. Richardson Wildlife Foundation. Located about 1.5 mile N and 3.6 mile W of Brooklyn, 27 Aug 1997, *L. R. Phillippe 29271* (ILLS*). **Macon Co.:** E of Decatur, 16 Sep 1959, *R. A. Evers 62053* (ILLS*). **Macoupin Co.:** Carlinville, 1 Jul 1882, *C. Robertson s.n.* (ILLS*). **Marion Co.:** IDOT U.S. Route 51 Project Area, Clinton, Fayette, Jefferson, Marion, Shelby, and Washington Counties, 16 Jul 2008, *M. J. C. Murphy 3026* (ILLS*). **Marshall Co.:** N of Lacon, 29 Aug 1966, *R. A. Evers 88033* (ILLS*); at Lacon, 9 Sep 1959, *R. A. Evers 61636* (ILLS*). **Mason Co.:** Chautauqua Lake, NW of Topeka, 9 Sep 1960, *R. A. Evers 67773* (ILLS*); NW side of Illinois Route 78, S of Havana, 0.4 mile N of Sangamon River crossing, 24 Sep 1996, *S. R. Hill 28812* (ILLS*); near Eon, 5 Oct 1946, *R. M. Myers 205* (MWI*). **Massac Co.:** W of Midway, 25 Aug 1960, *R. A. Evers 67068* (ILLS*); Ohio River, Fort Massac State Park, 15 Oct 1963, *R. A. Evers 78505* (ILLS*); Ohio River, at Hillerman Landing, W of Joppa, 21 Oct 1958, *R. A. Evers 59638* (ILLS*). **Monroe Co.:** Moredock Lake, NE of Valmeyer, 14 Jul 1960, *R. A. Evers 65815* (ILLS*); W of Columbia, 14 Oct 1966, *R. A. Evers 89822* (ILLS*); 3 miles S of Harrisonville, 1 Nov 1960, *R. A. Evers 68239* (ILLS*). **Peoria Co.:** Peoria, sandy shores of Illinois river, Aug 1893, *F. E. McDonald s.n.* (NMC*); W side of Illinois River, 28 Aug 1996, *S. R. Hill 28575* (ILLS*); W bank of Illinois River, Mossville, 8 Sep 1995, *S. R. Hill 27436* (GSW*, ILLS*, TAES). **Pike Co.:** E Hannibal, 21 Aug 1918, *J. Davis 9174* (MICH*); Illinois River, N of Florence, 1 Sep 1949, *R. A. Evers 21269* (ILLS*); Mississippi River, at Clarksville, 24 Oct 1966, *R.*

A. Evers 89865 (ILLS*). **Pope Co.:** Jackson Hollow Natural Area, 13 Aug 1986, R. Smith 1134 (ILLS*); Jackson Hollow, 23 Aug 1981, R. C. Moran 1653 (ILLS*); Ohio River, at Bay City, 20 Oct 1958, R. A. Evers 59547 (ILLS*); Jackson Hollow, SW of McCormick, 13 Nov 1962, R. A. Evers 75667 (ILLS*). **Pulaski Co.:** at Backus Landing, E of Grand Chain, 11 Sep 1956, R. A. Evers 52503 (ILLS*); Ohio River, Grand Chain Landing, SE of Grand Chain, 16 Oct 1963, R. A. Evers 78555 (ILLS*). **Putnam Co.:** Sawmill Lake, 7 miles W of Magnolia, 31 Aug 1973, R. A. Evers 111934 (ILLS*); Sawmill Lake, S of Hennepin, 8 Oct 1964, R. A. Evers 82026 (ILLS*). **Randolph Co.:** S of Kellogg, 25 Sep 1963, R. A. Evers 77794 (ILLS*); Mississippi River, SE of Chester, 19 Oct 1964, R. A. Evers 82091-B (ILLS*); Kaskaskia Island, N of Kaskaskia, 2 Nov 1960, R. A. Evers 68306 (ILLS*); Kaskaskia Island, S of Kaskaskia, R. A. Evers 68313 (ILLS*). **Rock Island Co.:** Davenport E 7.5 min. quad. Rock Island, SW tip of Rock Island (Arsenal Island) S of RR bridge and Rodman Avenue, SE of Lock and Dam No. 15 of the Mississippi River, flats below reconstructed fort, 20 Sep 2000, S. R. Hill 33223 (MICH*). **St. Clair Co.:** Hump, 3 Jul 1958, J. O. Neill 8952 (ILLS*); at railroad, near French Village, 12 Aug 1950, J. O. Neill 4583 (ILLS*); E bank of Kaskaskia R. just E of Fayetteville, and S of Hwy IL 15, 31 Jul 1989, R. Carter 7960 (VSC); Marshy area at the exit of IL 15 onto INT 255, 20 Aug 1992, M. A. Basinger 4073 (ILLS*); Under MacArthur Bridge, 21 Aug 1949, J. O. Neill 3879 (ILLS*); Vicinity of E St. Louis, 24 Aug 1949, J. O. Neill 3915 (ILLS*); Vicinity of McArthur Bridge, 1 Sep 1957, J. O. Neill 8538 (ILLS*); Lake #1, Grand Marais State Park, 6 Sep 1954, J. O. Neill 6516 (ILLS*); Davis Street Ferry Landing, E Carondelet, 18 Sep 1959, R. A. Evers 62427 (ILLS*). **Schuyler Co.:** Sugar Creek, W of Browning, 8 Oct 1963, R. A. Evers 78340 (ILLS*). **Union Co.:** State Forest, 8 Jul 1941, G. D. Fuller 797 (ILLS*); Crab Orchard National Wildlife Refuge, Devil's Kitchen Lake Research Natural Area, 27 Jul 1984, E. F. Ulaszek 730 (ILLS*); State Forest, 8 Aug 1941, G. D. Fuller 797 (ILLS*); Mississippi River, NW of Ware, 19 Oct 1964, R. A. Evers 82197 (ILLS*); Mississippi River, 3 miles SW of Wolf Lake, 20 Oct 1971, R. A. Evers 107338 (ILLS*); in the Mississippi River, NW of Ware, 23 Oct 1974, R. A. Evers 114101 (ILLS*). **Vermilion Co.:** Middle Fork Woods Nature Preserve at Kickapoo State Park, W of and adjacent to the Middle Fork River. Danville NW 7.5 minute quadrangle, 28 Aug 1999, R. L. Larimore RL299 (ILLS*). **Wabash Co.:** at Rochester, 1 Oct 1959, R. A. Evers 62738 (ILLS*); Hanging Rock, N of Mt. Carmel, 3 Oct 1963, R. A. Evers 78221 (ILLS*). **Washington Co.:** E of Venedy Station, 10 Aug 1973, R. A. Evers 111398 (ILLS*). **White Co.:** Webb's Ferry, S of Grayville, 17 Sep 1964, R. A. Evers 81713 (ILLS*); Wabash River, 5 miles S of Grayville, 4 Oct 1963, R. A. Evers 78233 (ILLS*); at Webbs Ferry, S of Grayville, 6 Oct 1959, R. A. Evers 62783 (ILLS*); Wabash River, SE of Emma, R. A. Evers 72803 (ILLS*). **Will Co.:** Channahon, Exxon-Mobil Oil Refinery, Back 40 Area S of old Drummond Road, S of dug-out marsh, E of frontage road of Interstate Route 55, W of BNSF railroad, Mobil Dolomite Prairie, 28 Jun 2007, S. R. Hill 37495 (ILLS*); Exxon Mobil Refinery property, S of Drummond Road, E of Route Interstate 55, 26 Aug 2003, S. R. Hill 35416 (ILLS*); Channahon, ExxonMobil Refinery property, S of Drummond Road, E of Route I-55, Channahon, IL 7.5 min quad, (MICH*); Midewin National Tallgrass Prairie, Exxon Mobil Dolomite Prairie Natural Area, in the Grand Prairie Section of the Grand Prairie Natural Division, 26 Aug 2008, L. R. Phillippe 41087 (ILLS*); in the Grand Prairie Section of the Grand Prairie Natural Division, Blodgett Road Dolomite Prairie on the Des Plaines Wildlife Conservation Area, about 6 mile NW of Wilmington and along W side of Interstate 55, 14 Sep 2005, L. R. Phillippe 38156 (ILLS*). **Williamson Co.:** along abandoned railroad grade (and powerline right-of-way), S side of E Herrin Rd, E corporate limits of Herrin, 5 Jun 2002, S. R. Hill 34672 (ILLS*); along abandoned railroad grade (and powerline right-of-way), S side of E Herrin Road, E corporate limits of Herrin, 11 Jul 2008, S. R. Hill 37830A (ILLS*); Crab Orchard National Wildlife Refuge, 11 Aug 1985, E. F. Ulaszek 1181 (ILLS*); Crab Orchard National Wildlife Refuge, above Devil's Kitchen Lake, 3 Sep 1994, E. F. Ulaszek 2233 (ILLS*). **Winnebago Co.:** Rock River, near Rockford, 23 Sep 1947, E. W. Fell 47306 (MWI*). **Woodford Co.:** Spring Bay Fen Nature Preserve, 28 Jul 2008, M. J. C. Murphy 3094 (ILLS*); ParkLands Foundation's Chinquapin Bluffs Preserve, located approximately 5 miles N of Carlock, 22 Aug 2008, P. B. Marcum 5325 (ILLS*); Spring Bay Fen Nature Preserve, 3 Sep 2008, M. J. C. Murphy 3330 (ILLS*); near Spring Bay, 15 Sep 1959, V. H. Chase 15898 (ILLS*). **INDIANA. Brown Co.:** near Nashville, 26 Sep 1925, F. Anderson 5661 (IND*). **Cass Co.:** Lake Cicott, 2 Oct 1936, F. J. Hermann 8414 (MICH*). **Elkhart Co.:** Nursery, old Rt 20, E of Goshen Ave, Elkhart, 27 Aug 2000, A. W. Cusick 35633 (MICH*). **Fountain Co.:** 0.5 miles NW of Covington, 1 Aug 1953, F. B. Buser 2892 (IND*). **Gibson Co.:** White River near its mouth, 23 Sep 1923, C. C. Deam 39882 (IND*). **Greene Co.:** 2 miles S of Worthington, 13 Sep 1938, R. M. Kriebel 5855 (SMU); 29 Aug 1940, S. McCoy 5337 (FSU*); along Rd. 67, 2 mi S of Worthington, (NY); along White River about 2.5 miles SW of Bloomfield, 25 Sep 1927, C. C. Deam 45516 (IND*). **Hamilton Co.:** Indianapolis, 23 Aug 1890, S. M. Tracy s.n. (MISSA*, TAES). **Jackson Co.:** 3 miles W of Brownstown just S of Rd. 50, 13 Aug 1959, H. Starcs 2173 (IND*); White River 2 miles SE of Brownstown, 20 Sep 1922, C. C. Deam 38078 (IND*). **Jefferson Co.:** 1/4 mile N of N Madison Station, Madison, 1 Aug 1935, E. Banta s.n. (IND*); N of N Madison, 3 Aug 1935, E. Banta 56482 (IND*); Hanover, Sep 1875, A. H. Young 10289 (IND*); Sep 1876, A. H. Young 1234 (NY). **Knox Co.:** through a swamp about 3 miles S of Vincennes, 4 Oct 1917, C. C. Deam 24129 (IND*). **Kosciusko Co.:** Shore Lake about 2.5 miles SE of Oswego, 29 Jul 1934, C. C. Deam 55321 (IND*). **Lake Co.:** the N side of Cedar Lake, 29 Aug 1916, C. C. Deam 21388 (IND*). **Laporte Co.:** Mud flat on the Kankakee River about 1/4 mile S of the Yellow River, 6 Sep 1970, R. Read 1056 (MOR*). **Marion Co.:** 7 Sep 2013, P. E.

Rothrock 4948 (IND*). **Marshall Co.:** E side of Lake of the Woods, 21 Aug 1916, *C. C. Deam 21005* (IND*). **Monroe Co.:** 6.7 mi S, 3.2 mi E junction of Hwys 46 and 446 in Bloomington (7.8 road mi S junction along Hwy 446), S side of Monroe Lake, near boat ramps just W Hwy 446, Cutright State Recreation Area, 16 Aug 1999, *C. A. Morse 3708* (MICH*). **Montgomery Co.:** Sugar Creek, W. of Darlington bridge, 30 Aug 1933, *A. R. Bechtel 13562* (NY); abandoned farm land, Lye Creek Prairie, 8 mi NE of Crawfordsville, 25 Oct 1946, *A. R. Bechtel 17241* (NY). **Morgan Co.:** Bradford estate on Highway 67, 27 mi. N. of Bloomington, 9 Jul 1953, *R. Overstreet 194* (IND*). **Newton Co.:** Edge of sand pit next to I-65, W side, 1 Aug 1986, *T. Post 390* (MOR*). **Owen Co.:** White River opposite of Freedom, 22 Sep 1917, *C. C. Deam 23887* (IND*). **Parke Co.:** Sugar Creek just E of Turkey Run State Park, 17 Sep 1920, *C. C. Deam 32848* (IND*). **Porter Co.:** Dune Park on Lake Michigan (7mi E of Gary Ind., SE of Chicago), 25 Jul 1906, *L. M. Umbach 1224* (SMU); Dunes State Park, 8 Sep 1908, *L. M. Umbach 236* (CM*, NY, TAES); Dune Park on Lake Michigan (7mi E of Gary Ind., SE of Chicago), *L. M. Umbach 2624* (SMU); 17 Sep 1912, *L. M. Umbach 6358* (SMU); Dune Park, 27 Jul 1929, *M. W. Lyon s.n.* (MICH*); 9 Aug 1952, *F. A. Swink 1763* (F*); Dune Park, 2 Sep 1898, *L. M. Umbach s.n.* (IND*); 12 Sep 1899, *L. M. Umbach s.n.* (F*); 13 Sep 1902, *O. E. Lansing 1533* (F*); along the Kankakee River near the Baum Bridge, 15 Sep 1918, *C. C. Deam 26521* (IND*); just S of Stage Coach Road, to the W of where it intersects with Marine Road, ca. 3/4 S of Ogden Dunes, 2 Oct 1979, *G. Wilhelm 6993* (MOR*). **Randolph Co.:** along the Mississinewa River 5 miles S of Redkey, 29 Jul 1944, *C. C. Deam 63012* (IND*). **St. Joseph Co.:** Mishawaka, Jul 1891, *E. B. Uline s.n.* (F*-2). **Tippecanoe Co.:** 6 Jul 1933, *C. C. Deam 54021* (TENN*). **Vermilion Co.:** creek SW of Hillsdale, 28 Aug 1915, *C. C. Deam 9834* (EMC*). **Vigo Co.:** N of Highland Lawn, Terre Haute, 28 Jul 1925, *A. R. Bechtel 11421* (NY); Terre Haute, pond and forests N of conjunction of Highway 41 and Highway 63, S of Florida Avenue, 14 Oct 2006, *I. D. Macdonald 061014c21* (IND*). **Warren Co.:** Kate's Pond about 1 1/2 mi, NW of Independence, 31 Aug 1916, *C. C. Deam 21641* (IND*). **Wells Co.:** 19 Aug 1997, *C. C. Deam s.n.* (IND*); 30 Aug 1903, *C. C. Deam* (MICH*); about 2 miles SE of Bluffton, along Six-mile Creek near Christian church, 12 Sep 1898, *C. C. Deam* (IND*). **IOWA. Cerro Gordo Co.:** 7 Aug 1957, *R. F. Thorne 18579* (NCSC*). **Dickinson Co.:** 11 Aug 1953, *R. F. Thorne 13333* (NCSC*). **Fremont Co.:** 3 Jul 1952, *M. J. Fay 3270* (FSU*). **Lyon Co.:** 8 Aug 1949, *M. L. Grant 11272* (NCSC*); Gitchie Manitou State Park, SW 11, 100-49, 12 Aug 1954, *R. F. Thorne 14626* (FSU*, NCSC*, SMU). **Mahaska Co.:** NE 1/4 Sec. 1, T-74N, R-17W, 14 Sep 1954, *R. A. Davidson 3832* (SMU). **Polk Co.:** Skunk River, S1/2 sec 12, Elkhart twp., T-81, R-23, 29 Jul 1957, *T. V. Bruggen 3279* (SMU). **KANSAS. Atchison Co.:** Muddy sand bar 1/2 mile N of Mo-Kan bridge, 17 Jun 1960, *H. W. Blocker 728* (HWBA*). **Bourbon Co.:** 6.0 mi E Redfield, S end of Elm Creek Lake, T26S R23E section 26 SE 1/4, 12 Jul 1998, *C. A. Morse 2603* (NY). **Douglas Co.:** 38.9036° N, 95.4477° W, 7 Oct 2006, *C. C. Freeman 21968* (NY); 12 mi S Lawrence, 10 Jul 1935, *W. H. Horr E87* (CM*). **Ellis Co.:** near pond, Hays, 9 Jul 1935, *E. Bondy 671* (NY). **Graham Co.:** Antelope Lake 2.5 mi W 1 mi N Moreland, 30 Jul 1964, *L. J. Harms 1849* (SMU). **Johnson Co.:** E 1/2, SW 1/4 sec. 29, T13E R22E. Gardner, 4.5 mi N, 3.5 mi W Sunflower Army Ammunition Plant, perimeter rd, E of Spoon Creek, 4 Aug 1993, *C. C. Freeman 5192* (VDB). **Leavenworth Co.:** Fort Leavenworth Military Reservation: NE part, N side of Sherman Army airfield, just S of Weston Bend of the Missouri River, 30 Sep 2003, *C. A. Morse 9816* (BRY*). **Lyon Co.:** 1 mi W, 2 mi S of Neochos Rapids, McKinney Marsh Area, 8 Jul 1976, *L. Hauser 3055* (BRIT). **Meade Co.:** 3 mi N and 1/2 mi E of Fowler, 3 Sep 1951, *W. H. Horr 4088* (NY). **Reno Co.:** Hutchinson, 1890, *B. B. Smyth 74124* (MO*). **KENTUCKY. Ballard Co.:** 24 Aug 1973, *R. Athey 2520* (TENN*-2); Ohio River in the Ballard Waterfowl Management Area, 24 Aug 1973, *R. Athey 2520* (EKY*); Ballard Waterfowl Management Area, *R. H. Athey 2384* (MUR*); KY Dam Village State Park, 31 Aug 1973, *R. H. Athey s.n.* (MUR*). **Boone Co.:** 18 Aug 1985, *A. W. Cusick 24688* (NCU*); 7 Apr 2007, *D. B. Poindexter 07-156* (BOON*); 7 Jun 2007, *R. L. Thompson 07-298* (BOON*); Shore of Ohio River at foot of Aurora Ferry Rd, 0.7 mi W, St Rt 20, ca. 1 mi SW of Petersburg, Aurora Quad, 18 Aug 1985, *A. W. Cusick 24688* (MICH*). **Calloway Co.:** 13.5 miles on 94 E to old 94 at KY Lake, 4 Nov 1982, *M. Woods 1235* (MUR*). **Campbell Co.:** 27 Sep 1981, *G. F. Buddell II 479* (KNK*); 29 Sep 1997, *R. F. C. Naczi 6979* (KNK*); 28 Sep 1998, *R. F. C. Naczi 7677* (KNK*). **Carlisle Co.:** at Laketon boat Dock at end of Laketon Rd off KY 1203, 2 Aug 1994, *R. L. Mears 382* (EKY*). **Fayette Co.:** Lexington, *C. Short s.n.* (USCH*); 1835, *C. Short s.n.* (WIS*). **Franklin Co.:** beside Goodyear on US 127 in Frankfort, 30 Aug 1995, *R. L. Mears s.n.* (EKY*). **Fulton Co.:** 5 Oct 1978, *R. Athey 4284* (FSU*, TENN*-2); Reeloot National Wildlife Refuge, KY 1282- 1.5 mi E of KY 94W, 15 Jul 1974, *R. Athey 2876* (EKY*); Sassafras Ridge on Fishpond Road, 5 Oct 1978, *R. Athey 4284* (EKY*); Sassafras Ridge, KY on Fish Pond Rd, *R. H. Athey s.n.* (MUR*). **Grayson Co.:** between sidewalk and US 62 between A & O gas station and Dixie House Restaurant in Clarkson- KY on S side of road, 25 Jul 1993, *R. L. Mears 127* (EKY*); Western KY Pkwy E-bound ca. 0.5 mi. W of exit # 107 Litchfield exit (KY 259), 16 Sep 1993, *R. L. Mears 298* (EKY*). **Greenup Co.:** Greenup Locks on Ohio River, E of St 3116 & N of Lloyd, 26 Aug 1992, *A. W. Cusick 30471* (CM*). **Harrison Co.:** in Licking River at crossing of Old Lair Road to the E of US 27 and S of Cynthiana, 31 Aug 1995, *R. L. Mears s.n.* (EKY*). **Hickman Co.:** Hickman Road at Waynes Corner, W toward sand deposit, 5 Sep 1987, *J. T. Grubbs 489* (TROY*). **Laurel Co.:** behind Shell Food Mart on S side of KY 80 ca. 0.2 mi. W of jct with I-75 in London, 2 Sep 1993, *R. L. Mears 359* (EKY*). **Lyon Co.:** 29 Jun 1982, *D. H. Webb 4594* (TENN*); 15 Sep 1983, *E. W. Chester 83-364* (NCU*). **Madison Co.:** Richmond S Quadrangle,

Section N (urban area), edge of sidewalk and parking lot on N side of Kentucky Boulevard, 14 Jun 1993, *G. W. Libby OB-513* (EKY*); along s side of KY 876 in Richmond in interstices of pavement on E side of Pizza Hut parking lot, 21 Jul 1993, *R. L. Mears 95* (EKY*). **Marshall Co.:** 31 Aug 1973, *R. Athey 2539* (TENN*); 5 Oct 1978, *R. Athey 4284* (TENN*); Kentucky Dam Village State Park, 31 Aug 1973, *R. Athey 2539* (EKY*). **Mason Co.:** Maysville, Site 5. Eastbound AA highway, just E of highway 68 exit (Aberdeen, Ohio), 21 Jul 2013, *M. Whitson 2013-0032 1/3* (KNK*). **Mccracken Co.:** Crawford Lake (slough) about 2 miles NE of Ragland, 14 Sep 1940, *C. C. Deam 60149* (IND*); Off E side of US 68 just S of jct with I-24 behind BP Truck Stop next to Sern Pride Restaurant, 15 Sep 1993, *R. L. Mears 258 A* (EKY*). **Mercer Co.:** at Lock #6, 29 Aug 1995, *R. L. Mears s.n.* (EKY*). **Pendleton Co.:** 21 Aug 1983, *G. F. Buddell II 3173* (KNK*, NCU*). **Pike Co.:** 18 Sep 1988, *F. Levy s.n.* (DUKE*). **Pulaski Co.:** Lake Cumberland about 0.2 mi. W of crossing of Cumberland Parkway, 17 Sep 1995, *R. L. Mears s.n.* (EKY*). **Trigg Co.:** 21 Oct 1978, *J. W. Thieret 50787* (KNK*). **Trimble Co.:** at Milton just E of crossing of US 421, 14 Sep 1993, *R. L. Mears 245* (EKY*). **Warren Co.:** at intersection of KY 80/68 and Robinson Avenue in Bowling Green, 3 Aug 1994, *R. L. Mears 388* (EKY*). **Woodford Co.:** Growing along sandy banks of KY River at Lock #6, 29 Sep 1995, *R. L. Mears s.n.* (EKY*). **LOUISIANA. Bossier Par.:** 20 Aug 1978, *C. M. Allen 8522* (NO*). **Desoto Par.:** Dalton Saline Prairie/Barren, Dalton Saline Prairie, 17 Aug 2007, *B. R. MacRoberts 7955* (LSU*). **East Baton Rouge Par.:** on the LSU Campus along the N side of the Foodservice Building near Nicholson Dr. Extension, 17 Jul 1989, *L. E. Urbatsch 5853* (LSU*); inside the Mississippi River levee not far from the School of Veterinary Medicine of LSU in Baton Rouge, 3 Sep 1990, *A. W. Lievens 4484* (LSU*). **Iberville Par.:** collected inside the Mississippi River levee along LA 75 near the LSU Sugar Cane Research Station, 17 Nov 2010, *L. E. Urbatsch 10047* (LSU*). **Lincoln Par.:** lawn around Lomax Hall and a small pond on Tech Farm S of US 80 and W of Louisiana Tech University's main campus in Ruston, 9 Jun 1990, *R. Thomas 118688* (VSC). **Orleans Par.:** 1 May 1901, *R. S. Cocks s.n.* (NO*); railroad tracts of the L & N Railroad at Montegut St. and N. Galvez St., New Orleans, 21 Jun 1979, *P. Pias 4218* (LSU*). **Ouachita Par.:** 24 Oct 1995, *R. D. Thomas 147789* (TENN*); along W bank of Bayou Lafourche Diversion Canal N and S of railroad tracks between I-20 and US 80 E of Monroe, 24 Oct 1995, *R. D. Thomas 147789* (NO*, UCR*). **Plaquemines Par.:** 30 Jul 2010, *C. Reid 7554* (NCU*); 18 Jul 1984, *D. A. White 342* (NO*); Delta National Wildlife Refuge, N of Pass a Loutre ca. 2.5 mi E of Head of Passes, ca. 3.5 air mi SE of Pilottown, Pilottown, Delta National Wildlife Refuge, 30 Jul 2010, *C. Reid 7554* (LSU*); Mississippi River batture S of Tulane research Facility at English Turn, Mississippi River, 10 Sep 2004, *C. Reid 5244* (LSU*). **Richland Par.:** 23 Oct 1995, *R. D. Thomas 147769* (TENN*). **Sabine Par.:** Oakley's Pasture (a.k.a. Mary Lee's Pasture), N of LA 174 ca. 5 mi W of Converse, along E side of McDonald Bayou, Converse, 20 Jun 2007, *C. Reid 6172* (LSU*, NO*). **St. Bernard Par.:** along hwy LA 47, 2.7 mi N jct hwys LA 46 & 47 in Chalmette, 17 Oct 1993, *C. Bryson 13209* (VSC); Batture along Seastern corner of Unit along Mississippi River and directly S of cemetery, 6 Jun 2007, *S. M. Gunn-Zumo CH-221* (LSU*). **St. Charles Par.:** Mississippi River bank below Bonne Carre Spillway control structure, ca. 1.5 air mi W of Norco, 19 Aug 2010, *C. Reid 7582* (VSC); 5 Jun 1937, *J. Howard s.n.* (NO*); along highway 18, River Road, 1.6 miles W St. Charles - St. John parish line, 16 Jul 1993, *G. N. Montz 6278* (LSU*); found at Bonnet Carre Spillway, junction of river road and E guide levee, halfway between road and first railroad, ICRR, Bonnet Carre Spillway, 4 Aug 1973, *G. N. Montz 2693* (LSU*); Mississippi River bank below Bonne Carra Spillway control structure, ca. 1.5 air mi W of Norco, 19 Aug 2010, *C. Reid 7582* (LSU*); 1 Sep 1973, *G. N. Montz 2771* (NO*); found in Bonnet Carre Spillway at center of floodway just S of Airline Hwy, Bonnet Carre Spillway, 3 Oct 1973, *G. N. Montz 2852* (LSU*); *G. N. Montz 2854* (LSU*, NO*); found in Bonnet Carre Spillway at center of floodway just S of Airline Hwy, Bonnet Carre Spillway, *G. N. Montz 2877* (LSU*, NO*). **St. James Par.:** 3 Aug 1999, *D. J. Rosen 835* (NO*). **St. Martin Par.:** 7 Nov 1971, *J. W. Thieret 36162* (DUKE*, FSU*). **St. Mary Par.:** Found in Atchafalaya Bay near buoy 53 about 3 mi S of lands end., Atchafalaya Bay, 18 Aug 1975, *G. N. Montz 3443* (LSU*); 19 Aug 1975, *G. N. Montz 3485* (LSU*); near Charenton Beach., Charenton, 21 Oct 1963, *C. A. Brown 17876* (LSU*). **St. Tammany Par.:** St Paul's, Covington, 24 Sep 1959, *B. E. Hebert s.n.* (MISS*). **West Baton Rouge Par.:** 21 May 1990, *R. D. Thomas 116644* (TENN*); 2 miles S of Port Allen, 5 Nov 1927, *C. A. Brown 1518* (MICH*). **MAINE. Penobscot Co.:** 22 Aug 1908, *M. L. Fernald s.n.* (NCSC*); 22 Aug 1908, *M. L. Fernald* (NO*). **MARYLAND. Dorchester Co.:** 6 Sep 2015, *W. D. Longbottom 23600* (MARY*); along Kraft Neck Rd, 2.0 mi west of Elliot Island Rd, *Wayne D. Longbottom 23598* (NY). **Montgomery Co.:** 24 Sep 1989, *A. W. Cusick 28595* (NCU*). **Washington Co.:** shore of Potomac River, C&O Canal at Two Locks, N of Dam No 5 & S of Ashton, Hedgesville Quad, 22 Aug 1988, *A. W. Cusick 27689* (MICH*). **MASSACHUSETTS. Hampden Co.:** Chicopee, Chicopee River near Sewage Plant E of confluence with Connecticut River, 3 Sep 2001, *T. M. Zebryk 7470* (EIU*). **Hampshire Co.:** Amherst, 21 Aug 1931, *F. C. Seymour 248* (SMU); Univ. of Mass. Campus, Amherst, 19 Sep 1967, *H. E. Ahles 70289* (SMU, TENN*). **MICHIGAN. Allegan Co.:** E bank of Kalamazoo River, just N of M-40 bridge, SE 1/4 sect. 32, T3N R14W, ca. 8 mi NW of Allegan, 5 Oct 1999, *A. A. Reznicek 11050* (MICH*). **Berrien Co.:** Niles, 1867, *G. L. Ames s.n.* (MICH*). **Dickinson Co.:** S1/2 Sec. 14 & 15 T39N-R30W, along Menominee River, 24 Aug 1989, *D. Henson 2983* (VDB); along edge of the Menominee River, 24 Aug 1989, *D. Henson* (MICH*). **Gratiot Co.:** edge of Maple River, Fulton Tp., ca. 4.5 mi SSE of Perrinton, section 34, 30 Sep 1961, *E. G. Voss 10696* (MICH*). **Ionia Co.:** Ionia, Aug 1887, *C. F.*

Wheeler s.n. (MICH*); 1887, *C. F. Wheeler s.n.* (MICH*). **Kent Co.:** Lowell, 3 Sep 1893, *E. J. Cole* (MICH*); Bank of Grand River at Plainfield Village and Soldiers' Home, 3 Sep 1899, *E. J. Cole* (MICH*-2); on banks of Grand River at Lowell, 17 miles E of Grand Rapids, 29 Sep 1941, *C. W. Bazuin 4243* (MICH*); 4 Sep 1899, *E. J. Cole s.n.* (NCSC*). **Lenawee Co.:** NW of railroad & M-52, S of Carleton Rd., Madison Twp. T7SR3ES22, se qtr of ne qtr, 17 Aug 1998, *R. W. Smith 4196* (MICH*); at edge of parking lot at 1301 N Main St. Adrian, 29 Sep 1986, *R. W. Smith 2001* (MICH*). **Mecosta Co.:** Big Rapids Twp., Big Rapids High School S lot, 24 Jul 2015, *S. Ross 2260* (MICH*). **Menominee Co.:** Menominee River, 17 Jul 1988, *D. Henson 2558* (MICH*); Bank of the M. River on the Menominee River Rd, 4 Aug 1933, *C. O. Grassl 2915* (MICH*). **Midland Co.:** 3 mi above Wayne's Grove, 23 Sep 1933, *R. R. Dreisbach 7836* (MICH*). **Monroe Co.:** Pte. Mouillee State Game Area, 14 Aug 1949, *M. McDonald 5441* (MICH*); SW1/4 sec. 36, T6S R6E, W side U.S. 23, N of Ida-Petersburg Rd, ca. 3 mi E of Petersburg (N. of railtracks), 15 Aug 1992, *A. A. Reznicek 9174* (MICH*); Exeter Twp., Capernall Road near Colf Rd, section 5, 12 Sep 1980, *N. W. Easterly 12,166b* (MICH*). **Newaygo Co.:** NW shore of Diamond Lake, ca. 5 mi. NW of White Cloud, 11 Sep 1964, *E. G. Voss 11783* (MICH*). **Ottawa Co.:** Grand River - bank - Grand River Park - M50, 5 Oct 1941, *C. Nelson 4302* (MICH*). **St. Joseph Co.:** Mendon, 31 Aug 1915, *L. M. Umbach 7796* (MICH*). **Van Buren Co.:** Round Lake, 7 Sep 1959, *P. A. Hyppio 1026* (MICH*). **Washtenaw Co.:** Ann Arbor, parking lot of Westgate Mall, near jct of Maple Road and Jackson, near Maple road, 28 Aug 2004, *A. A. Reznicek 11629* (MICH*). **MINNESOTA. Becker Co.:** Bear Trap Bay Resort, along rt 113, about 22 mi E of Waubun, 12 Aug 1987, *V. E. McNielus 87-474* (TENN*); T143 R36 Sec. NESW3, DeSoto Lake, 18 Jul 1933, *J. B. Moyle 872* (IND*). **Big Stone Co.:** Graceville (SW side), about 0.5 mi W of Rte 75, E Toqua Lake, along SW shore of lake, Graceville Township, 18 Jul 1988, *G. A. Wheeler 11167* (MICH*-2). **Clearwater Co.:** 25 Aug 1935, *M. F. Buell 1687* (NCSC*). **Cottonwood Co.:** 18 Sep 1947, *J. W. Moore 19801* (NCSC*); Talcott Lake, *J. W. Moore 19801* (SMU). **Lake of the Woods Co.:** 29 Aug 1939, *J. W. Moore 12229* (SMU). **Mahnomen Co.:** edge of West Twin Lake along Rt. 4, About 8 miles north of Rt. 113, 21 Jul 1988, *V. E. McNielus 88-221* (VDB). **Pipestone Co.:** Aug 1891, *E. P. Sheldon s.n.* (TENN*). **Renville Co.:** 3 miles W of Morton, 14 Sep 1946, *J. W. Moore 19286* (IND*). **Todd Co.:** Long Prairie River, 16 Aug 1910, *R. Z. L. Chandonnet s.n.* (IND*). **Washington Co.:** Aftron State Park, shore line of Trout Brook delta at its confluence with Lake St. Croix, 29 Aug 1976, *G. B. Ownbey 5457* (BRIT). **MISSISSIPPI. Bolivar Co.:** 3 mi W of Scott, inside levee along Mississippi River, 12 Sep 1984, *C. Bryson 3707* (IBE*, TENN*, VDB, VSC); ca. 3.5 mi SW of Scott, ca. 2 mi NW on Avondale Road from hwy MS 1 then ca. 1 mi S, 3 Jul 2002, *C. Bryson 19457* (FSU*, ILLS*, USCH*, VDB, VSC). **Chickasaw Co.:** Houston, in parking lot of Trace Regional Hospital on Hwy 8 E, 20 Aug 1996, *R. A. Stewart 5740* (IBE*, MISS*). **Coahoma Co.:** just NW Friars Point, along Mississippi River, T29N, R4W, 14 Sep 1990, *C. Bryson 10395* (VDB, VSC); 12 Sep 1960, *S. McDaniel 2130* (IBE*-2). **DeSoto Co.:** 1.3 mi W Lake Comorant and 1.6 mi S on Mississippi River levee then 0.2 mi W, T2S, R10W, sec. 28, 27 Aug 1990, *C. Bryson 10533* (VSC). **Forrest Co.:** Hattiesburg, S of Hardy St. (hwy US 198), ca. 0.5 mi W of hwy US 49, T4N R13W Sect. 7, 13 Aug 2002, *C. Bryson 19579* (VSC). **Grenada Co.:** ca. 3.5 mi NNW of Gore Springs, T22N, R6E, S1, NW4, 7 Oct 1986, *M. Morris 2682* (IBE*, VSC). **Issaquena Co.:** 2.6 mi SSW Fidler, T10N, R8W, sec. 31, NW/4 of NW/4, 21 Aug 1990, *C. Bryson 10224* (VSC). **Lamar Co.:** ca. 2 mi E jct of hwy US 98 and MS 589, N of US 98, T4N R14W Sect. 18 NW/4, 13 Aug 2002, *C. Bryson 19571* (VSC). **Lee Co.:** Tupelo, N of hwy MS 6 ca. 0.6 mi E Natchez Trace Parkway, T9S, R9S, R5E, S35, 27 Sep 1992, *C. Bryson 12078* (IBE*, MISS*, VSC); Tupelo, SW jct of S Gloster and Garfield St, 18 Sep 1998, *C. Bryson 16753* (TENN*, VSC); Tupelo, S of McCullough Blvd, 2 Aug 2008, *C. Bryson 22830* (VSC); N of MS Hwy 6 ca. 0.6 mi E Natchez Trace Parkway, T9S R5E S35, 27 Sep 1992, *C. T. Bryson 12078* (). **Lowndes Co.:** Columbus, NE jct of hwy US 45 and 18th Ave, 28 Jul 2000, *C. Bryson 17950* (KNK*, NY, TENN*, VDB, VSC); Columbus, SE jct of hwy US 45 and Lincoln Rd, 29 Aug 2007, *C. T. Bryson 22413* (FLAS*, LSU*, MICH*, NY-2, VSC-2). **Oktibbeha Co.:** Mississippi State University, open area, edge of parking lot behind Dorman Hall, 4 Oct 2003, *C. Bryson 19874* (VSC); Starkville, S of Pollard Road near Coop, 3 Oct 2012, *C. Bryson 23874* (MMNS*, VSC). **Sharkey Co.:** ca. 5 mi E of Rolling Fork, off Hwy 16, 24 Sep 1972, *K. E. Rogers 8695-A* (SMU); *K. E. Rogers 8695-B* (MISSA*); *K. E. Rogers 8695-C* (NCU*); Delta Natl. Forest, alluvial bottomland, Exposed mud flats in bottom of Little Sunflower River ca. 6 miles E of Rolling Fork at hwy 16 bridge, 23 Sep 1977, *R. Carter 1140* (MO*). **Tishomingo Co.:** Yellow Creek embayment, Pickwick Lake from Zippy branch to Goat Island, 5 Oct 1978, *K. E. Rogers 46241* (BRIT, TENN*). **Tunica Co.:** Tunica Lake, E of Tunica, T5S, R12W, sec. 3, 27 Aug 1990, *C. Bryson 10543* (VSC); ca. 0.25 mi N of Tunica, W of Hwy US 61 (N 34° 43.658' W 19° 22.061'), 15 Aug 2004, *C. Bryson 20321* (VSC). **Warren Co.:** Eaglebend, edge of Eagle Lake, T18N, R2E, sec. 35, SE/4 of SE/4, 21 Aug 1990, *C. Bryson 10213* (MO*, TENN*, VDB, VSC-8). **Washington Co.:** 0.6 mi SW of Wayside, along edge of Lake Lee, 17 Sep 1987, *C. Bryson 7200* (IND*, MICH*, MMNS*, VDB, VSC); SW of Wayside along shore of Lake Lee, T16N, R8W, sec 1, 20 Sep 1990, *C. T. Bryson 10433* (TAES, VDB); Greenville, Washington School, S of Reed Rd, 21 Jul 1994, *C. Bryson 13981* (VSC); Greenville, SE jct of hwy US 82 and MS 1, 11 Sep 1999, *C. Bryson 17690* (IBE*, USCH*, VSC); Greenville, E of hwy MS 1, ca. 1.5 mi S jct of hwy US 82 & MS 1, 17 Oct 2000, *C. Bryson 18120* (KNK*, TENN*, VDB, VSC). **Yazoo Co.:** Yazoo City, NE jct of hwy US 49E and US 49W, 4 Sep 1997, *C. Bryson 16180* (FSU*-2, MISSA*, MMNS*, TENN*, VDB, VSC). **MISSOURI. Barry Co.:** 23 Sep 1936, *B. F. Bush 15820* (MO*); North and east side of White River in broad valley bottom, T21N,

R26W, sect 15 and SW corner sect 14, 3-3 3/4 mi. southeast of Eagle Rock, 21 Oct 1955, *J. A. Steyermark 80615 (SMU)*; 8 mi S, 10.5 mi E Cassville, Big M Recreation Site at Table Rock Lake, boat ramp site across from marina, 4 Oct 1997, *C. A. Morse 2409 (MICH*)*; 28 Jun 1897, *B. F. Bush 33 (MO*)*. **Barton Co.:** Prairie State Park, disturbed ground near visitor's center, 2 Aug 1997, *S. L. Timme 14403 (MO*)*. **Butler Co.:** 12 Sep 1919, *E. J. Palmer 16380 (MO*)*; 2 Oct 1892, *F. W. Dewart s.n. (MO*)*; 7 Aug 1892, *F. W. Dewart 8 (MO*)*. **Cape Girardeau Co.:** just above Cape Rock along bank of Mississippi, 28 Jul 1972, *T. Brooks 66746 (BRIT)*. **Cass Co.:** 8 Feb 1911, *G. C. Broadhead s.n. (MO*)*; 19 Jul 1989, *N. C. Henderson 89-03 (MO*)*; 1 Jul 1991, *N. C. Henderson 91-52 (MO*)*. **Christian Co.:** 31 Jul 1958, *P. L. Redfearn Jr. 3821 (FSU*)*. **Clay Co.:** 21 Sep 1895, *K. K. Mackenzie 658 (MO*)*. **Crawford Co.:** Campbell Bridge Public Fishing Access, at the intersection of Missouri Hwy. N and the Meramec River, SE of Bourbon, river bank of the Meramec River, 28 Sep 2003, *G. Davidse 39110 (MO*)*. **Douglass Co.:** beside White River and Mo. 14 at Twin Bridges, 28 Jul 1969, *R. D. Thomas 15810 (VDB)*. **Dunklin Co.:** 6 Aug 1932, *J. H. Kellogg 28 (MO*)*; 23 Oct 1892, *B. F. Bush s.n. (MO*)*; 18 Sep 1893, *B. F. Bush s.n. (MO*)*; 22 Aug 1894, *B. F. Bush s.n. (MO*)*. **Greene Co.:** 20 Jun 1888, *J. W. Blankinship s.n. (MO*)*; 26 Jun 1888, *J. W. Blankinship 2699 (MO*)*. **Grundy Co.:** near Crowder State Park, sand bars near the junction of the Thompson River and Weldon River, 22 Sep 2013, *G. Davidse 41172 (MO*)*. **Hickory Co.:** Pomme de Terre State Park, Hermitage area, 16 Jun 1987, *J. A. Raveill 2569 (TENN*, VDB)*. **Iron Co.:** 2 Jul 1914, *E. J. Palmer 6172 (MO*)*; 22 Jul 1928, *J. H. Kellogg 2123 (MO*)*; 26 Sep 1973, *A. Christ 20 (MO*)*; Big Creek, E of St Rt 49, 2 mi S of Chloride, 7 Aug 1996, *A. W. Cusick 33269 (MICH*, MO*)*; Jul 1897, *C. Russell s.n. (MO*)*. **Jackson Co.:** 7 Aug 1909, *E. J. Palmer 2443 (MO*)*; 18 Aug 1910, *B. F. Bush 6160 (MO*)*; 24 Aug 1910, *B. F. Bush 6168 (MO*)*; 19 Sep 1916, *B. F. Bush 7806 (MO*)*; 11 Aug 1983, *J. A. Raveill 1810 (MO*)*; *J. A. Raveill 1814 (MO*)*; 29 Jul 1987, *T. E. Smith 2586 (IBE*)*; *T. E. Smith 2586 (MO*)*; 12 Jul 1992, *B. F. Bush s.n. (MO*)*; 18 Aug 1888, *B. F. Bush UMO 969 (MO*)*; 9 Dec 1890, *B. F. Bush 29 (MO*)*; 21 Aug 1892, *B. F. Bush s.n. (MO*)*; 8 Nov 1893, *B. F. Bush s.n. (MO*)*; 9 Jul 1894, *B. F. Bush 566 (MO*)*. **Jasper Co.:** 2 Sep 1906, *E. J. Palmer 884 (MO*)*; 21 Jul 1909, *E. J. Palmer 2520 (MO*)*; 14 Aug 1910, *E. J. Palmer 3088 (MO*)*; 16 Oct 1910, *E. J. Palmer 3280 (MO*)*; Joplin, 6 Jul 1957, *D. Demaree 39351 (SMU)*. **Jefferson Co.:** 17 Oct 1926, *R. E. Woodson s.n. (MO*)*. **Johnson Co.:** 25 Sep 1989, *W. Wilder 52 (MO*)*. **Lincoln Co.:** 29 Aug 1933, *A. Christ 20 (MO*)*; *J. A. Steyermark 8932 (MO*)*; Winfield Ferry landing, 16 Oct 1997, *T. G. Lammers 10547 (MO*)*. **McDonald Co.:** 1/2 mile north of Pineville, 29 Jun 1957, *E. J. Palmer 65796 (SMU)*; 24 Jul 1892, *B. F. Bush s.n. (MO*)*. **Miller Co.:** 10 Sep 1938, *M. C. Lodewycks 465 (MO*)*. **New Madrid Co.:** NE of jct I-55 and US Hwy 61/62, T22N, R14E, sec 6, SE/4, *C. T. Bryson (VDB, VSC)*; in vicinity of Hwy US I-55 Welcome Station, 0.5 mi S of New Madrid city limits and 2.65 mi S of Hwy 61 and 62 exit to New Madrid, 19 Aug 1991, *R. Carter 8908 (VSC)*; 24 Aug 1993, *S. L. Holmes 1068 (MO*)*. **Newton Co.:** behind the Neosho Inn near jct of US 70/60 and Alternate US 70 in Neosho, T25N, R32W, sec. 36, Neosho West 7.5' Quad, 16 Aug 1994, *P. M. McKenzie 1502 (MO*, VSC)*. **Oregon Co.:** Thayer, Mo. Beside US 63, 31 Jul 1969, *R. D. Thomas 16069 (VDB)*. **Pemiscot Co.:** Growing in alluvial soil within 75-100 meters of the Mississippi River, and ca. 1/2 mi SW of the I-155 bridge over the Mississippi River infrequent and scattered, 30 Jun 1991, *P. M. McKenzie 1096 (MO*)*; City of Cruthersville at S.P. Reynolds Public Fishing Acces Park on the Mississippi River small moist depression in waste area, 10 Jun 1998, *B. Summers 8655 (MO*)*. **Perry Co.:** along Mississippi R., 1.1 mi E of jct of state routes C and E, at end of County Road 220, 9 Jul 1989, *R. Carter 7913 (VSC)*; Perryville Community Lake W of Perryville and I-55, S end of lake near wing dam, 17 Jun 2012, *G. Davidse 38829 (MO*)*. **Pike Co.:** 21 Aug 1918, *J. Davis 9174 (MO*)*. **Pulaski Co.:** 22 Aug 1937, *J. A. Steyermark 25092 (TENN*)*. **Ralls Co.:** 10 Aug 1915, *J. Davis 4814 (MO*)*; 1 Aug 1973, *B. Hinterthuer 633 (MO*)*. **Scott Co.:** jct of hwys Us I-55 and MO 77, just E of Lambert/Benton, 20 Aug 1991, *R. Carter 8918 (VSC)*; barrow pit at jct of Hwys US I-55 and MO 77, just E of Lambert/Benton, (VSC); just S of Miner city limits off of Rt AA, ca. 1 mi S of jct of Rt 62 and Rt AA, or just W of the ramp to the W bound land of Rt. 57/60, T25N R14E NE1/4 of the NW 1/4 of the NW 1/4 of sec. 27, 6 Sep 1993, *P. McKenzie 1273 (VSC)*; 3 Sep 1998, *J. R. Laatsch s.n. (MO*)*. **Shannon Co.:** Buttin Rock Mountains, along Current River just upstream from Rocky Creek access, 9 Jul 1986, *N. Hensold 847 (MICH*)*. **St. Charles Co.:** along and S of hwy US 67, just W of Alton bridge and old lock and dam, 23 Jul 1989, *R. Carter 7945 (VSC)* along road to the Golden Eagle Ferry, 1/2 mile N of its junction with County Hwy B, NW of Kampville. Wet mudflat on backwater of the Mississippi River, 4 Oct 1996, *T. G. Lammers 9866 (MO*)*; 4 Sep 1997, *J. H. Harris 15 (MO*)*; ca. 3 mi SW of Defiance, along State Hwy 94, 7 Jul 1973, *G. Davidse 3519 (BRIT)*; in parking lot at JoJo's Restaurant, shopping center at Lake St. Louis, beside eastbound I-70, 21 Aug 1986, *N. A. Harriman (GSW*, VDB)*; along road to Golden Eagle Ferry, 0.5 mile N of its junction with Co. Rd. B, NW of Kampville, 16 Oct 1997, *M. A. Vincent 8023 (VDB)*. **Saint Francois Co.:** 16 Aug 1993, *C. Anderson MO236 (MO*-2)*. **Ste. Genevieve Co.:** Pickle Springs Natural Area, ca. 7 air miles ENE of Farmington, N of County Highway AA via Dorlac Rd, Piney Glade, along SW side of Trail Through Time loop trail, just E of parking area, 12 Jul 2015, *G. Yatskievych 15-070 (MO*)*; US Rt. 61, S of St. Mary P.O, 8 Aug 1996, *A. E. Cusick 33291 (MO*, NY)*. **St. Louis Co.:** Carrie Area frieght yard of the Rock Island Railroad along the eastern roadway north of roadside area, 8 Aug 1954, *L. V. Mullenbach 315 (VDB)*; bank of Meramec River, vicinity of boat launch in Castlewood State Park, 10 Sep 1989, *R. Carter 8282 (VDB, VSC)*; 2 Sep 1929, *J. H. Kellogg 15124 (MO*)*; Jul 1884, *G. W.*

Letterman s.n. (MO*); 8 Sep 1884, *J. H. Kellogg s.n.* (MO*). **St. Louis City Co.:** 30 Sep 1928, *J. H. Kellogg 2124* (MO*); 8 Aug 1954, *V. Muehlenbach 315* (MO*); Freight yard of the Franklin Railroad, 14 Jul 1956, *V. Muehlenbach 1009* (MO*); 7 Sep 1957, *V. Muehlenbach 1351B* (MO*); Carrie Ave, 9 Jul 1966, *V. Muehlenbach 2664* (MO*); St. Louis, 6573 Scanlan, 5 Aug 2012, *G. Davidse 38836* (MO*). **Stoddard Co.:** 25 Sep 1980, *A. Christ s.n.* (MO*). **Taney Co.:** 1897, *W. Trelease 817* (MO*). **Texas Co.:** 9 Aug 1990, *B. Summers 3585* (MO*). **Washington Co.:** Hughes Mountain Natural Area, just S of MO Hwy. M, ca. 3 airline miles SSW of Irondale, 17 Jul 2015, *G. Davidse 42421* (MO*). **Wayne Co.:** 10 Oct 1912, *B. F. Bush 6944A* (MO*); 28 Jun 1972, *S. A. Sutter 764* (MO*); 1899, *W. Trelease s.n.* (MO*). **MONTANA. Missoula Co.:** shore of Bitter-root River 315 m NE of McCloy Flats Recreation Area parking area, Missoula, 15 Sep 2003, *D. F. Brunton 15798* (MICH*). **NEBRASKA. Clay Co.:** 3 mi SE of Fairfield, 5 Jul 1941, *W. L. Tolstead 4182* (BRIT). **Douglas Co.:** Platte River area. 2 mi N of Highway 92, Platte River, 1976-09-00, *E. Nalley 5* (LSU*). **Garfield Co.:** ca. 16 mi N of Burwell, 12 Aug 1961, *H. H. Iltis 18574* (COLO*, SMU). **Hall Co.:** near Grand Island, 28 Aug 1943, *W. Kiener 15128* (SMU); along US 34 due S of Grand Island, 16 Aug 1967, *R. Kral 28898* (VDB); 21 Jul 2009, *D. Estes 10754* (TENN*). **Howard Co.:** just S of Loup River N of St. Paul on US 281, 16 Aug 1967, *R. Kral 28864* (VDB). **Jefferson Co.:** 4 mi NNW of Gladstone, Sec. 20, T3N, R1E, 26 Jul 1976, *S. P. Churchill 7990* (BRIT). **Kearney Co.:** Minden, 8 Sep 1918, *H. Hapeman s.n.* (IND*); 17 Sep 1929, *H. Hapeman 1667* (NO*); 14 Aug 1930, *H. Hapeman s.n.* (NO*); Minden, 10 Jul 1932, *H. Hapeman* (DBG*). **Loup Co.:** 1 mi N, 1 W Taylor North Loup River, 14 Jul 1966, *S. Stephens 6818* (SMU). **NEVADA. Churchill Co.:** Lahontan Valley, Sheckler Reservoir WSW of Fallon, T18N, R28E, S7, 5 Aug 1988, *A. Tiehm 11895* (COLO*, VDB). **Douglas Co.:** Carson River, 0.8 road mi S of hwy 395 at extreme N end of the Pine Nut Mts, 23 Aug 2007, *A. Tiehm 17485* (NY). **Washoe Co.:** Truckee River at the bridge to the Tracy-Clark power station E (downstream) of Reno, 21 Jul 2001, *A. Tiehm 13699* (ASU*, COLO*); Truckee Meadows, Sparks, Truckee River just W of Rock Street Bridge, 1 Aug 2007, *A. Tiehm 15466* (NY); Truckee Meadows, Reno, Truckee River near corner of Idewild and Foster, 5 Aug 2007, *A. Tiehm 15471* (NY). **NEW HAMPSHIRE. :** Hinsdale, 1 Sep 1923, *L. A. Wheeler 329401* (VDB). **NEW JERSEY. Essex Co.:** 23 Oct 1916, *W. N. W. s.n.* (NY). **NEW MEXICO. Dona Ana Co.:** White Sands Missile Range, 25 air km NE of Las Cruces, in San Augustin Mts., 1.4 mi N of San Augustin Pass on US Hwy 70, steep E-facing slope ca. 1/4 mi N of San Augustin Peak, 16 Aug 1990, *R. W. Spellenberg 10501* (NMC*); *R. D. Worthington s.n.* (COLO*). **Grant Co.:** Gila National Forest, Ft. Bayard, 2 Sep 1981, *A. L. Medina 174* (ASU*). **Hidalgo Co.:** San Luis Mountains, 11 mi on St Hwy 79 from jct with St hwy 338, 40 mi S of animas, 23 Sep 1967, *W. Hess 1517* (SMU); Peloncillo Mountains, Loweer Lee, just below old corral, 27 Aug 2008, *E. Makings 3068* (USFS*). **Luna Co.:** Columbus, junction of New Mexico route 9 and New Mexico Route 11, 2 Aug 1967, *D. J. Pinkava 3059-a* (ASU*); 0.5 miles N of Palomas, Mexico and S of Columbus, NM, 31 Aug 1974, *L. M. Shultz 1343* (USU*). **Rio Arriba Co.:** 3.6 miles south of Embudo Junction, 19 Jul 1987, *R. Carter 5927* (VDB, VSC-2). **San Miguel Co.:** Cuervito Canyon Pasture, vicinity of windmill TM #19 and crater lake near head of Mogote Canyon, 17 mi E of Las Vegas, 4 mi S of Rte. 104, 24 Jul 1984, *S. R. Hill 14727* (BRIT, GSW*). **NEW YORK. Bronx Co.:** New York City, New York Botanical Garden, E of the Bronx River and S of Waring Ave, at the Horticultural Operation Center, 1 Sep 2015, *D. Atha 15250* (NY); *D. Atha 15251* (NY). **Clinton Co.:** Point au Roche, 31 Aug 1929, *W. C. Muenscher 255* (USU*). **Columbia Co.:** 1.3 mi WSW of Columbiaville, S end of large island in Hudson River, N of mouth of Stockport Creek, 29 Sep 2011, *R. F. C. Naczi 14073* (NY). **Oneida Co.:** *W. A. Matthews s.n.* (COLO*). **Putnam Co.:** town of Kent, along NY 301 at Dixon Rd, along shore of W Branch Reservoir, 41° 26' N 73° 44' W, ca. 150 m, 11 Sep 1999, *W. R. Buck 36106* (NY); ca. 2 km NNW of town of Carmel, N of Nichols St. on shore of West Branch Reservoir, 41.445291 N, 73.692568 W, 14 Sep 2010, *D. Atha 9007* (NY); 2.1 mi SE of center of Patterson, along E side of rt. 22, Berkshire Nursery, 41.49135° N, 73.57778° W, 13 Sep 2014, *R. F. C. Naczi 15665* (NY); *R. F. C. Naczi 15666* (NY); 0.3 mi SE of center of Patterson, 0.2 mi S of rt. 311, Petersen's Nursery, 41.55152° N, 73.60162° W, *R. F. C. Naczi 15676* (NY); *R. F. C. Naczi 15677* (NY); 0.1 mi W of Milltown, along E branch of Croton River, 41.41124° N 73.56280° W, 2 Oct 2014, *R. F. C. Naczi 15711* (NY). **Saratoga Co.:** 19 Aug 1929, *W. A. Matthews 2978* (FSU*); shore of Saratoga Lake, 22 Sep 1939, *H. D. House 21893* (NY, TAES). **Schoharie Co.:** town of Schoharie, Fox Creek Park along Fox Creek down stream from Route 30, immediately N of village of Schoharie, TNC field no. F89TU225, 2 Sep 1989, *G. Tucker 4919* (VSC). **Westchester Co.:** Bronx River, town of Greenburgh, along the Parkway just S of the Parkway Homes Rd. bridge, 41° 3' 28" N, 73° 46' 23" W, 2 Aug 1981, *N. H. Holmgren 10032* (NY); Bronx River, Town of Greenburgh, along the Parkway just S of the Parkway Homes Road bridge, *N. H. Holmgren 10032* (USU*). **NORTH CAROLINA. Cabarrus Co.:** 30 Jul 2013, *J. Matthews s.n.* (UNCC*). **Clay Co.:** 29 Sep 2001, *P. D. McMillan 5917* (CLEMS*). **Columbus Co.:** Sep 1934, *P. O. Schallert 147* (NO*). **Durham Co.:** 21 Aug 1965, *H. E. Ahles 59957* (NCU*); 22 Aug 1982, *C. M. Taylor 1711* (DUKE*). **Forsyth Co.:** 1827, *C. F. Lenke 7452* (DUKE*). **Franklin Co.:** 6 Oct 1990, *R. L. Wilbur 57944* (DUKE*). **Granville Co.:** 1 Sep 1950, *W. T. Baston 127* (DUKE*); 23 Oct 1987, *R. L. Wilbur 45461* (DUKE*); 8 Oct 1987, *R. L. Wilbur 44721* (DUKE*). **Rowan Co.:** 11 Oct 1956, *J. H. Horton 553* (NCU*). **Rutherford Co.:** Sandy Mush Granite Flatrock, 20 Sep 2006, *D. Campbell s.n.* (UNCC*). **Surry Co.:** 16 Jul 1948, *D. S. Correll 14661* (DUKE*). **Wake Co.:** Granite near Little River, 2 miles E of Rolesville, 23 Sep 1961, *A. E. Radford 44409* (IND*); 22 Sep 1966, *A. E. Radford 45275* (FUGR*); Mitchells Mill, 2 miles NE of

Rolesville, A. E. *Radford 45275* (MICH*, SMU, VDB); 15 Sep 1987, R. L. *Wilbur 43892* (DUKE*); *Radford s.n.* (COLO*). 28 Jul 1888, L. N. *Johnson s.n.* (NY). **OHIO. Athens Co.:** off W bank of Hocking River, 50-500 ft. SSW of Stimson Avenue bridge, Athens. Athens Quadrangle., Athens Quadrangle, 23 Aug 1987, W. R. *Carr 8676* (LSU*). **Franklin Co.:** Piedmont Rd between N High St & Indianola Ave, city of Columbus, NW Columbus Quad, 21 Jul 1989, A. W. *Cusick 28383* (MICH*); Between nursery & Olentangy River, Olentangy River Rd, N of Union Cemetery, city of Columbus, N Columbus Quad, 30 Aug 1991, A. W. *Cusick 29853* (MICH*, VDB). **Jefferson Co.:** Island Creek at St. Rt. 7 bridge, Costonia, Sect 28, Island Creek Twp, 15 Aug 1994, A. W. *Cusick 31950* (NY). **Lucas Co.:** 3+ miles W of Monclova, 19 Aug 1928, E. L. *Waseley s.n.* (MICH*); SE corner Monclova Twp, Maumee River at SW corner of Maumee city limits, 10 Sep 1967, R. L. *Stuckey 5796* (MICH*, VDB); Jerusalem Township, at NE end of Maumee Bay, ca. 10 mi E of Toledo, 21 Sep 1971, R. L. *Stuckey 9390* (VDB); Stranahan School, Holland Sylvania Rd, NW 1/4, Sect 23, Sylvania Twp, Sylvania Quad, 6 Jul 1982, A. W. *Cusick 21771* (MICH*); btwn US Rt. 20A and W end of E-W runway, Toledo Express Airport, 1/2 mi SSE, jct of St. Rt. 2 at Midway, 29 Aug 1989, A. W. *Cusick 28496* (NY); N side, Old State Line, E, jct of Schwamberger Rd, Sect 11, Spencer Twp, Whitehouse Quad, 25 Aug 1993, A. W. *Cusick 31219* (MICH*). **Meigs Co.:** Shore of Leading Creek at boat ramp, NW of Railroad St, Middleport, Cheshire Quad, 7 Aug 1991, A. W. *Cusick 29765* (MICH*). **Morgan Co.:** E shore of Muskingum River, S of Lock #6 & St Rt 266 bridge, SE, Stockport, Windsor Twp, Stockport Quad, 15 Sep 1983, A. W. *Cusick 23023* (MICH*). **Paulding Co.:** Little Auglaize River, ca. 3 mi S of Oakwood, Washington Twp, N 1/2 sec 15, 24 Sep 1967, R. L. *Stuckey 6336* (MICH*, VDB). **Portage Co.:** Muzzy Lake, 55 degrees and 1.2 miles from Rootstown Road bridge of I-76, Rootstown Township, 23 Jul 1991, J. K. *Bissell JKB:1991:181* (MICH*). **Sandusky Co.:** Ballville Twp, bottom of Sandusky River, ca. 3 mi S of Fremont, 7 Sep 1967, R. L. *Stuckey 5660* (MICH*). **Wood Co.:** ca. 1/2 mi SE of Waterville, W edge sec. 47, T6N, R10E, Middleton Twp, 10 Sep 1967, R. L. *Stuckey 5820* (SMU). **OKLAHOMA. Bryan Co.:** along the "blind lake" Lake Oberlin about 15 mi SE of Bennington, Oklahoma, 28 Jul 1976, J. *Taylor 22808* (BRIT). **Cleveland Co.:** Ten Mile Flats, R3W, T9N, Section 30, 5 Sep 1972, C. A. *Lawson 576* (VDB). **Comanche Co.:** N of Mt. Scott, about 1 mi E of Meers, Wichita Mts, 4 Jul 1941, Y. T. *Walufal 2904* (NY). **Green Co.:** 17 Jun 1913, G. W. *Stevens 1027* (BRIT, SMU). **Harper Co.:** along the Beaver (North Canadian) River, 15 miles west and 4 miles south of Buffalo, 22 Aug 1984, J. *Taylor s.n.* (BRIT, TENN*). **Kiowa Co.:** Devil's Canyon in the SE part of the park, about 3.5 miles SE of the lodge, 5 Oct 1975, J. *Taylor 20812* (VDB). **Noble Co.:** 3 1/2 mi N and 1 mi E of Red Rock, 30 Sep 1950, R. J. *Ellis 24* (SMU). **Pottawatomie Co.:** 1 mile SW of Tecumseh, 28 Jun 1937, F. A. *Barkley 1375* (IND*). **OREGON. Benton Co.:** Corvallis, on gravel bar in the Marys River near its confluence with the Willamette River, 18 Sep 2001, R. R. *Halse 6120* (NY). **Lane Co.:** Green Island, Willamette River shoreline, ca. 1.0 miles WSW of the intersection of Coburg Road and Green Island Road, 23 Sep 2004, R. E. *Brainerd 562* (USU*). **PENNSYLVANIA. Co.:** A. W. *Cusick 36955* (MICH*); A. W. *Cusick 37455* (MICH*); A. W. *Cusick 37527* (MICH*). **Bradford Co.:** Towanda, along W side of Susquehanna River, vicinity of courthouse, 41° 46' 1" N, 76° 26' 30" W, 27 Jul 2007, R. F. C. *Naczi 11967* (NY). **Bucks Co.:** Delaware River, Point Pleasant, 16 Sep 1923, W. M. *Benner 2369* (IND*); shore of Delaware River, Point Pleasant, W. M. *Benner s.n.* (CM*). **Northampton Co.:** 1.5 mi NW of Riverton, 27 Aug 1953, R. L. *Schaeffer 45213* (MCA*); W. E. A. *Aikin s.n.* (NY). **SOUTH CAROLINA. Andersonville Co.:** Granite, 26 Aug 1961, A. E. *Radford 44275* (MICH*). **Fairfield Co.:** Andersonville Quarry, 26 Aug 1961, A. E. *Radford 44275* (SMU). **Kershaw Co.:** 9 Oct 1932, J. M. *Fogg Jr 5321* (NCU*); granite outcrop, Flat Rock, 6 Oct 1957, A. E. *Radford 30003* (NY, VDB). **Lancaster Co.:** 28 Sep 1969, J. N. *Page s.n.* (NCU*, NCU*). **Laurens Co.:** 19 Sep 1987, G. *Newberry 8905* (USCS*); 29 Aug 1988, G. *Newberry 9667* (USCS*). **Oconee Co.:** 8 Jul 1989, S. R. *Hill 20751* (CLEMS*). **Pickens Co.:** 7 Jun 1973, J. N. *Knox 199* (CLEMS*); 6 Sep 1973, J. N. *Knox 292* (NCU*). **Spartanburg Co.:** 10 Aug 1971, R. C. *Clark 20115* (FUGR*); 3 Oct 1996, G. *Newberry 11990* (USCS*); 19 Sep 1998, G. *Newberry 12232* (USCS*). **Union Co.:** 23 Jul 1982, G. *Newberry 1698* (USCS*). **TENNESSEE. Anderson Co.:** 29 Aug 1997, P. C. *Durr s.n.* (TENN*). **Benton Co.:** 23 Aug 1978, D. H. *Webb 1383b* (TENN*); 7 Oct 2010, D. H. *Webb 7492* (TENN*). **Cheatham Co.:** 31 Aug 1942, N. H. *Woodruff s.n.* (TENN*). **Claiborne Co.:** 13 Aug 1980, D. H. *Webb 3298* (TENN*). **Clay Co.:** 22 Aug 1991, V. E. *McNeilus 91-1026* (TENN*). **Davidson Co.:** 23 Aug 1942, J. M. *Shaver 2891* (TENN*); N. H. *Woodruff s.n.* (TENN*); 28 Sep 1946, E. *Quarterman* (DUKE*); 27 Jun 1947, E. *Quarterman 3032* (DUKE*); 27 Sep 1965, R. *Kral 25988* (FSU*); 8 Sep 1986, R. *Kral 73615* (UTM*); Nashville, 1878, A. *Gatling s.n.* (NY). **Decatur Co.:** 8 Sep 1978, D. H. *Webb 1611* (TENN*); 29 Sep 1978, D. H. *Webb 1736* (TENN*); 26 Aug 2011, D. H. *Webb 7769* (TENN*). **Dekalb Co.:** 1 Oct 1954, H. R. *DeSelm 159* (TENN*); 12 Aug 1989, R. L. *Thompson 89-1903* (TENN*). **Dyer Co.:** 6 Jul 1979, B. *Boom 530* (TENN*). **Grainger Co.:** along Rt 11-W, two miles S of Bean Station, edge of Cherokee Lake, 28 Sep 1985, V. E. *McNeilus s.n.* (MICH*, TENN*); Area of Lake Cherokee, along Rt 11-W, about 2 miles S of Bean Station, 16 Sep 1986, V. E. *McNeilus s.n.* (MICH*, TAES); 29 Sep 1995, V. E. *McNeilus 95-583* (TENN*); along 11-W, about 2.0 miles S of Bean Station, 31 Oct 1998, V. E. *McNeilus 98-1091* (MICH*, TENN*). **Hamblen Co.:** Dewatered area along Panther Creek, Panther Creek State Park, 5 Oct 1998, V. E. *McNeilus 98-1018* (LSU*); along Panther Creek, Panther Creek State Park, (MICH*, TENN*). **Hamilton Co.:** 5 Sep 1978, D. H. *Webb 1528b* (TENN*). **Hardeman Co.:** Grand Junction, railroad yard, 28 May 1972, K. E. *Rogers 8164* (MISSA*); K. E. *Rogers 8164* (TENN*). **Hardin Co.:** 1 Sep 1978,

D. H. Webb 1439 (TENN*); *D. H. Webb 1495* (TENN*); 8 Sep 1978, *D. H. Webb 1582* (TENN*); 13 Aug 2010, *D. H. Webb 7445* (TENN*); 26 Oct 2011, *D. H. Webb 7905* (TENN*). **Hawkins Co.:** 14 Sep 1978, *D. H. Webb 1634* (TENN*). **Henderson Co.:** 6 Sep 1979, *D. H. Webb 2279* (TENN*). **Henry Co.:** 30 Sep 1978, *D. H. Webb 1732* (TENN*); 29 Oct 2010, *D. H. Webb 7611* (TENN*); 29 Oct 2015, *B. E. Wofford s.n.* (TENN*). **Humphreys Co.:** 3 Aug 1994, *V. E. McNeilus 94-716* (TENN*); 15 Oct 2008, *D. H. Webb 6887* (TENN*); 28 Oct 2010, *D. H. Webb 7556* (TENN*). **Jackson Co.:** along Free State Road, about 2.3 miles N of Gainsboro, 18 Aug 1992, *V. E. McNeilus 92-802* (MICH*-2, TENN*); 3 Aug 1994, *V. E. McNeilus 94-716* (TENN*). **Jefferson Co.:** 14 Oct 1982, *D. H. Webb 4737* (TENN*). **Knox Co.:** 11 Oct 1994, *V. E. McNeilus 94-1043* (TENN*). **Marion Co.:** 15 Jul 1934, *A. J. Sharp 2507* (TENN*); *J. K. Underwood 1068* (TENN*). **Marshall Co.:** 2 Sep 1992, *P. Durr s.n.* (TENN*); 9 Jul 1998, *V. E. McNeilus 98-517* (TENN*); at junction of Rts. 31 A & 271, S edge of Lewisburg, Lewisburg, *V. E. McNeilus 98-553* (LSU*); Area at junction of Rts 31A & 271, S edge of Lewisburg, (MICH*, TENN*); 3 Sep 1998, *V. E. McNeilus 98-874* (TENN*); 4 Oct 1999, *V. E. McNeilus 99-1024* (TENN*). **Maury Co.:** 21 Sep 1978, *D. H. Webb 1690* (TENN*). **Montgomery Co.:** 19 Aug 1983, *E. W. Chester 83-294* (NCU*). **Obion Co.:** 10 Jul 1986, *M. Guthrie 1108* (TENN*); Union City, parking lot of Catfish Gallery restaurant, W side of city, E side of Hwy 51/3, 27 Jun 1995, *A. A. Reznicek 10061* (MICH*). **Perry Co.:** 12 Oct 1987, *H. R. DeSelm s.n.* (TENN*). **Rutherford Co.:** 30 Nov 1946, *Davis* (TENN*); 16 Aug 1958, *H. R. DeSelm 1914* (TENN*); 11 Oct 1958, *A. J. Sharp 25462* (TENN*); 5 Oct 1963, *A. J. Sharp 32440* (TENN*); 16 Aug 1969, *K. Rogers 44257* (TENN*); 19 Aug 1971, *R. Kral 43623* (FSU*, VSC); 15 Aug 2006, *J. Walck 612* (TENN*). **Smith Co.:** 16 Oct 1954, *H. R. DeSelm 159* (TENN*). **Stewart Co.:** 29 Oct 2010, *D. H. Webb 7597* (TENN*). **Union Co.:** 3 Oct 1981, *H. R. DeSelm s.n.* (TENN*); 26 Sep 1987, *V. E. McNeilus 87-431* (TENN*); 14 Oct 1998, *V. E. McNeilus 98-1052* (TENN*). **Washington Co.:** 17 Sep 1990, *F. Levy s.n.* (DUKE*). **Wayne Co.:** 1 Oct 1981, *D. H. Webb 4343* (TENN*); 7 Oct 2010, *D. H. Webb 7505* (TENN*). **Williamson Co.:** 6 Aug 1968, *R. Kral 32174* (FSU*, NCU*); Hillsboro Rd, 4 mi N Franklin, 12 Jul 1979, *R. Kral 63976* (VSC); 15 Aug 1988, *L. Kelly 1963* (TENN*). **Wilson Co.:** 12 Jul 1935, *H. K. Svenson 7152* (TENN*); 23 Aug 1947, *R. E. Shanks 7359* (TENN*); 20 Oct 1949, *E. H. Cooley 13289* (TENN*); 8 Aug 1968, *K. E. Blum 2848* (FSU*); Cedars of Lebanon State Park and Forest- along secondary rd W of park entrance (HWY 231) ca. 2 mi SE of Gladeville, 12 Aug 1979, *B. E. Wofford 79-243* (EKY*); (TENN*); 1 Aug 2003, *R. McCoy s.n.* (TENN*). **TEXAS. Aransas Co.:** On Fulton Beach, 6.5 miles NE of Rockport, off St. Hwy. 35, 7 Jun 1967, *J. R. Crutchfield 2911* (LL*). **Austin Co.:** Lake Austin, Austin, 11 Mar 1928, *B. C. Tharp s.n.* (MICH*); 6.8 mi W of Columbus, 1 Sep 1965, *R. Kral 25792* (VDB); W side of Brazos River, N end of Stephen F. Austin State Recreation Area, ca. 1.5 airmiles NW of FM 1458 bridge over Brazos River. San Felipe Quad. 29°49'28"N, 96°06'45"W, 23 Sep 1993, *W. Carr 13053* (VSC). **Bastrop Co.:** Bastrop State Park, Junction of Gotier Trace & powerline easement, NE quadrant of Park, Elev. 613 ft, 9 Jul 2004, *E. J. Lott 5105* (TEX*). **Bell Co.:** near Moffat, 10 Oct 1930, *S. E. Wolff 2675* (SMU). **Blanco Co.:** Blanco River, just downstream (NE of) mouth of Hog Hollow S edge of Hammond Farm, Crabapple Creek Quadrangle, 12 Oct 2002, *W. R. Carr 21316* (TEX*). **Bosque Co.:** approx. 2 mi NW of Mosheim W from dam site along Hog Creek, 8 Jun 1977, *B. L. Lipscomb 2256* (SMU). **Brazos Co.:** near Campus at College Station, 8 Nov 1946, *J. B. Paxson 501* (TEX*). **Brewster Co.:** Cat Tail Canon, 17 Aug 1931, *E. Whitehouse s.n.* (TEX*); Chisos Mts., upper Cat-Tail canon, 28 Jul 1932, *C. H. Muller* (TEX*); Fresno Spring, Chisos Mountains area, 29 Jun 1937, *B. H. Warnock 774* (TEX*); Entrance of Boquillas Canyon, Chisos Mountains area, 6 Aug 1937, *B. H. Warnock* (TEX*); 26 Aug 1939, *B. H. Warnock 20099* (FSU*); 16 mi S of Marathon, 29 Jun 1947, *B. H. Warnock 6131* (SMU); 16 miles S of Marathon, (TEX*); Big Bend National Park, Lost Mine Peak, 12 Sep 1961, *D. S. Correll 24546* (LL*). **Brooks Co.:** W side of Vargas Creek ca. 2.8 airmiles SE of culvert under R. M. 755, at N26o48'10.4", W098o18'18.6". Encinitos Ranch. Santa Elena SE Quadrangle. Elev. 185 - 190 ft, 14 Nov 2006, *W. R. Carr 25349* (TEX*); ca. 1.5 airmiles NW of R. M. 755 culvert on Vargas Creek, ca. 0.2-0.3 airmiles S of Visnaga Windmill, 15 Nov 2006, *W. R. Carr 25361* (TEX*). **Burnet Co.:** collected at Granite Mountain along Farm Road 1431, 1.8 miles W of the junction of Farm Road 1431 and US 281, W of Marble Falls, Marble Falls, 7 Jun 1988, *L. E. Urbatsch 4791* (LSU*); 1.8 mi W on FR 1431 from its jct with US 281 in Marble Falls, 1 Sep 1992, *S. Jones 9658* (BRIT-2); Backbone Creek, 10-25 ft. W of crossing on unpaved road to Slaughter Gap, ca. 1/2 mi N of FM 1431, NW of Marble Falls. Marble Falls Quadrangle, *W. R. Carr 12236* (TEX*). **Chambers Co.:** 10 Aug 1991, *W. J. Hayden 3174* (URV*). **Comal Co.:** Comanche Spring, New Braunfels, etc, Aug 1849, *Lindheimer 1239* (TEX*). **Coryell Co.:** Fort Hood Military Reservation, Training Area 21, 0.4 mi N of tank trail, on dirt road that is 0.3 mi E of E Range Road, 11 Jul 2007, *L. L. Hansen 5102* (TEX*). **El Paso Co.:** Hueco Tanks, 20 Jul 1946, *A. Lee 46176* (TEX*); Hueco Tanks, Hueco Mountains, 12 Aug 1946, *D. S. Correll 13783* (SMU); 20 Aug 1946, *U. T. Waterfall 6618* (BRIT); Hueco Tanks State Park, 27 Sep 1972, *S. W. Oefinger s.n.* (BRIT); Hueco Tanks State Historical Park, top of the NE side of E Mountain, 24 Sep 1977, *T. R. Van Devender* (TEX*); Hueco Mts., Hueco Tanks State Park, NE side of North Mountain, 8 Sep 1979, *R. D. Worthington 5194* (BRIT); *R. D. Worthington s.n.* (COLO*). **Goliad Co.:** along secondary road on O'Connor Ranch, 1.9 roadmiles W of gate on FM 2441 bridge over Sarco Creek, Melo Quadrangle, 25 May 2004, *W. R. Carr 23270* (TEX*). **Grayson Co.:** Randell Lake, 4 miles NW of Denison, 26 Oct 1949, *E. Bonn 51-445* (TEX*). **Hamilton Co.:** Hamilton Texas, 12 Jun 1941, *B. C. Tharp s.n.* (TEX*). **Harris Co.:** Katy Prairie Conservancy property, about 2 km S

of Jack Rd, 1.2 miles W of its intersection with Katy Hockley Rd, 13 Nov 2002, *D. Rosen 2394 (VSC)*. **Hemphill Co.:** Gene Howe Wildlife Management Area 5 mi E of Canadian, 30 Jun 1958, *C. Rowell 5802 (BRIT, SMU, TEX*)*; Lake Marvin 11 miles E of Canadian, 22 Jul 1967, *C. Mertins 2291 (LL*)*. **Henderson Co.:** Koon Kreek Kamp recreation area, lakes and swampy areas below the dams, 10 mi. S of Athens, 30 Aug 1967, *R. S. Mitchell 4077 (LL*)*. **Hidalgo Co.:** ca. 2.3 airmiles SSW of triangle Jct. of Hidalgo, Kenedy and Willacy counties, ca. 0.4 airmiles N to NNE of Jesus Maria Windmill, on Hunke Ranch, La Sal Vieja Quadrangle, 12 Nov 2003, *W. R. Carr 22708 (TEX*)*; 2.4-2.5 airmiles SW to SSW of triangle Jct. of Hidalgo, Kenedy and Willacy counties, ca. 0.4 airmiles N to NNE of Jesus Maria Windmill, on Hunke Ranch, La Sal Vieja Quadrangle, *W. R. Carr 22713 (TEX*)*; Santa Ana National Wildlife Refuge S of Alamo, 1959-08-00, *R. J. Fleetwood 3092A (TEX*)*. **Hood Co.:** summit of Comanche Peak, 5 miles S of Granbury, 19 Jun 1949, *L. H. Shinnars 11456 (SMU)*. **Jeff Davis Co.:** in Fern Canyon, 10 mi. n. of Alpine, 26 Aug 1939, *B. H. Warnock 20099 (TEX*)*; Limpia Creek by Bird Orchard, 9 Sep 1940, *L. C. Hinckley 1377 (NY)*; Upper Madera Canyon, Davis Mountains, Mclver Ranch. Elev. 6500 ft, 5 Oct 1955, *B. H. Warnock 13498 (LL*)*; Top of mesa. Mitre Peak Girl Scout Camp at Fern Canyon, 30 Sep 1964, *E. Keough 288 (TEX*)*; along stream on granite mountain across road from "Point of Rocks" roadside park on scenic drive, about 11 miles from Ft. Davis, 19 Sep 1966, *D. S. Correll 33697 (LL*)*; 7.9 mi S on TX 166 from its jct with TX 118, NW of Fort Davis, 2 Sep 1991, *S. Jones 7608 (VSC)*; ca. 2.9 roadmiles SW of gas tank at Davis Mountains Preserve HQ, ca. 3.2 airmiles NE of summit of Baldy Peak, Mount Livermore Quadrangle, 11 Aug 2000, *W. R. Carr 19100 (TEX*)*; Cherry Canyon ca. 0.1 mi N of Eagle Waterhole Canyon, ca. 0.4 mi S of The Lodge, on Cherry Canyon Ranch in Nern part of Davis Mountains, Friend Mountain Quadrangle, 24 Sep 2004, *W. R. Carr 23519 (TEX*)*; Limpia Canyon, Mt. Livermore, Aug 1936, *L. C. Hinckley s.n. (TEX*)*. **Kenedy Co.:** Kenedy County, 17 Oct 1938, *R. Runyon 1933 (TEX*)*; 11 May 1941, *R. Runyon 2655 (TENN*)*; Kenedy County, *R. Runyon 2655 (TEX*)*; Las Norias, 27 May 1941, *R. Runyon (TEX*)*; 26 Jun 1941, *B. C. Tharp 44265 (FSU*)*; Kenedy County, *B. C. Tharp s.n. (TEX*)*; Cristal Pasture, Norias Division of King Ranch, 24 Nov 1953, *M. C. Johnston 5320.1 (TEX*)*; Norias Division of King Ranch, 28 Nov 1953, *M. C. Johnston 5320.2 (BRIT)*; Cristal Pasture, Norias Division of King Ranch, (LL*); Norias Division of King Ranch, (SMU); 33.5 mi S on US 77 from its jct with Los Olmos Creek, S of Norias, 20 Oct 1991, *S. Jones 7792 (VSC)*; W side of US Rt 77, 0.4-0.5 mi S of La Parra Ave. at Sarita, or 4.2 mi S of Los Olmos Creek. Sarita Quadrangle, 3 Jun 1998, *W. R. Carr 17611 (TEX*)*; ca. 0.6-0.7 airmiles NE of cabin on Payne Ranch, ca. 1.7 airmiles SSE of Pita Camp, Pita Camp Quadrangle, 1 Oct 2001, *W. R. Carr 20246 (TEX*)*; just NW of camp house, ca. 1.7 airmiles NE of US Rt. 77 crossing of Willacy Co, line, ca. 0.9 airmiles E of Thomas Ranch HQ, at N26°36'53.0" W097°47'19.5", Yturria Quadrangle, 28 Nov 2006, *W. R. Carr 25387 (TEX*)*; ca. 0.7-0.8 airmiles W of US Rt. 77 from a point 1.1-1.2 roadmiles N of Willacy Co. line, ca. 1.4-1.5 airmiles E of Thomas Ranch HQ, Yturria Quadrangle, *W. R. Carr 25389 (TEX*)*; ca. 3.6-3.7 airmiles SW of US Rt. 77 at Rudolph. El Canelo Ranch. Rudolph Quadrangle, 28 Aug 2008, *W. R. Carr 27034 (TEX*)*. **Kimble Co.:** Llano River about 6 mi S of Lundo, at hwy 385, 16 Aug 1989, *R. Carter 8211 (VSC)*; at Walter Buck Wildlife Management Area, in Hunt Area 1, 0.1 mile S of Tower Blind, 11 Aug 2007, *L. L. Hansen 5222 (TEX*)*. **Lamar Co.:** ca. 10 ft. S of unpaved road E-W road at jct. with N-S road to Rich Hill Cemetery, 50 ft. W of BM 542. Camp Maxey (Texas National Guard). Pat Mayse Lake E Quadrangle, 28 Sep 1993, *W. R. Carr 13136 (TEX*)*. **Liberty Co.:** birdwatchers trail is off of Hwy 2610 N of Romayor 30°29'18"N 94°50'13"W at vehicle in parking lot, 4 Nov 2007, *L. E. Brown 33091 (BRIT, BRIT)*. **Limestone Co.:** Fort Parker State Park, 6 Jul 1963, *J. R. Massey 297 (BRIT, LL*, SMU)*. **Llano Co.:** along Sandy Creek, Rt. 71, E. of Click, 6 Sep 1965, *D. S. Correll 31487 (LL*)*; 7.5 mi E of Llano on Texas 29, 1 Jul 1983, *T. M. Keeney 3032 (BRIT-2)*; 9.6 mi SW on FM 2323 from its jct with TX 16, then S ca. 100 m on an unnamed paved road, E Side of road, SW of Llano, 26 Sep 1987, *J. Wipff 563 (VSC)*; Enchanted Rock SNA. Moss Lake on N side of park. DD 30.5092° -98.8255°, 4 Oct 1990, *R. J. O'Kennon 8128 (BRIT-2)*. **Mason Co.:** N side of Tex. R. R. 1222, 2 1/2 miles W of Tex. R.R. 386. Kilency, 9 Jul 1981, *F. M. Givens 2198 (LSU*)*; 5 air miles NNW of Mason, Texas, N of jct. of Hwy 29 and Hwy 398 2.1 miles, then NW on dirt road 2.4 miles, 24 Sep 1999, *J. Singhurst 8242 (TEX*)*. **Mclennan Co.:** E Waco Lakeside, General Tire Co. area, 11 Oct 1946, *L. D. Smith 278 (TEX*)*. **Nueces Co.:** Padre Island. Elev. 10 ft, 2 Dec 1928, *B. C. Tharp 6237 (TEX*)*; Port Aransas, Mustang Island. Elev. 5 ft, 31 Oct 1954, *H. Hildebrand 83 (TEX*)*. **Parker Co.:** Weatherford, Texas, 6 Jun 1902, *S. M. Tracy 7970 (TEX*)*. **Polk Co.:** Polk county, 23 Jul 1934, *B. C. Tharp s.n. (TEX*)*. **Presidio Co.:** W branch of ZH Canyon near Vieja Pass, 16 Jul 1941, *L. C. Hinckley 1997 (NY)*; Knox Canyon, 20 Jul 1941, *L. C. Hinckley 2031 (NY)*; about 1/2 mi above Watts ranch house, 27 Aug 1943, *L. C. Hinckley 2839 (NY)*; Chinati Mtns. State Natural Area, San Antonio canyon, Right (E) fork, near old dam W Salix, Looking W into 5 de Mayo Canyon, 20 Sep 2004, *E. J. Lott 5377 (TEX*)*; 24 airmiles NNW of Presidio on the SW side of Chinati Mts. in Chinati Mtns. State Natural Area, in San Antonio Canyon near the San Antonio Cabin, in drainage between the cabin and road, 30 Aug 2005, *J. Henrickson 24209 (TEX*)*; Los Ojitos, 24 Aug 2015, *R. Morey 275 (SRSC*)*. **Real Co.:** Sabinal Canyon State Natural Area (now Lost Maples State Natural Area), ca. 1000 ft W of the confluence of Can Creek and drainage 16, 18 Jun 1975, *J. Smith 690 (LL*)*; ca. 100-300 ft. N of Dry Creek from a point, ca. 300 ft. downstream from dam on entrance road to Lost Canyon Camp, ca. 800-1000 ft. N of Dry Creek Rd (Lost Canyon Rd) from a point 4.0 roadmiles E of its jct. with St. Rt. 55 at Barksdale Jo Jo Van Camp Qua, 3 Oct

1998, *W. R. Carr 17770* (TEX*). **San Patricio Co.:** Welder Wildlife Refuge, Sect 51, 3 Jul 1957, *G. G. Williges 138* (TEX*). **Sutton Co.:** along US route 277, 16 mi N of the junction with state route 55, 10 Oct 1990, *J. S. Miller 5659* (MICH*, VDB). **Tarrant Co.:** Eagle Mountain Lake, 29 Jun 2000, *Norm Sears s.n.* (BRIT); 32.8187°, -97.4527°, 21 Aug 2010, *R. J. O'Kennon 22564* (BRIT); Lake Worth Sailing Club, Sunset Point Ct ca. 0.2 mi E of Penninsula Club Cir E. Sandy Beach on N side of Lake Worth, 30 Jul 2012, *K. N. Taylor 1800* (BRIT). **Terrell Co.:** Below tank on mesa-top, Blackstone Ranch 13 miles S of Sheffield, 8 Jul 1949, *G. L. Webster 504* (TEX*); 3 mi E of Dryden, 6 Jul 1954, *B. H. Warnock 11893* (BRIT, SMU). **Travis Co.:** Austin, 1 Jul 1920, *B. C. Tharp 130* (TEX*); Bull Creek, 23 Jun 1921, *B. C. Tharp 875* (TEX*); Lake Austin, 12 Aug 1922, *B. C. Tharp 2126* (TEX*); Austin, 4 Nov 1922, *R. H. Painter 97* (TEX*); Edwardo Plateau, 29 Oct 1923, *R. H. Painter 2965* (TEX*); Colorado River, 10 Aug 1930, *B. C. Tharp s.n.* (VDB); Austin, 1 Aug 1940, *B. C. Tharp s.n.* (TEX*); Lake Travis on NE side of Sandy Creek LCRA Park, N side of Lime Creek Rd ca. 4.0-4.1 roadmiles N of F. M. 2769, Mansfield Dam Quad, 8 Oct 1981, *W. R. Carr 3502* (VSC); Lake Travis, S end of LCRA Park on Glouster Bend (S end of Shaw Rd.) NW1/4 Pace Bend Quad, 3 Aug 1988, *W. R. Carr 9104* (BRIT-2); Austin, 1931-05-00, *B. C. Tharp s.n.* (TEX*). **Trinity Co.:** roadside clearing on Hwy 356, 2 mi S of Trinity, 25 Jul 1981, *J. Kessler 4731* (BRIT-2, TAES); Hwy 356, 2 mi S of Trinity, (VDB). **Val Verde Co.:** Amistad National Recreation Area, Indian Springs, Sample plot no. 8. Satan Canyon Quad (1:24,000), 28 Jun 2002, *J. M. Poole 4610a* (TEX*); W side of Devils River ca. 0.6-0.7 air miles N of Dolan Falls, Dolan Falls Preserve, Dolan Springs Quadrangle, 6 Oct 2008, *W. R. Carr 27282* (TEX*). **Washington Co.:** Peaceable Kingdom Farm, ca. three miles NW of Washington, near Summerland Pond, 20 May 2006, *E. W. Mize 178* (TEX*). **Wharton Co.:** SW side of the Colorado River with its jct with US 59, SW of Wharton, 30 Oct 1990, *S. Jones 6026* (VSC). **Willacy Co.:** ca. 3 mi NE of Hargill, 18 Mar 1969, *W. F. Mahler 5310* (BRIT, SMU). **Wise Co.:** LBJ National Grasslands, Unit 55, Fs 916 1 mi S of Co Rd 2650, ca. 2.2 mi NW of FM 730 DD 33.4031°, -97.5478°, 26 Oct 2002, *R. J. O'Kennon 17406* (BRIT-2); LBJ National Grasslands, Unit 47, 4 Oct 2003, *R. J. O'Kennon 19085* (BRIT-2); LBJ National Grasslands, Unit 50, DD 33.3342 -97.5686, 20 May 2005, *R. J. O'Kennon 20050B* (BRIT-2); unit 21 of LBJ Nat'l Grasslands, N33°23'16.8" W97°39'55.26", 8 Aug 2009, *R. J. O'Kennon 21306* (BRIT, BRIT). **Wood Co.:** ca. 1/10 mi S of jct of Hwy 37 with Coke Rd, 10 Oct 1971, *M. B. Ballard 143* (BRIT, SMU). Comanche Spring, New Braunfels, 18 Apr 3839, *Lindheimer 1239* (BRIT). **UTAH. Kane Co.:** White Cliffs, The Sand Hills N of US Hwy 89, ca. 8.5 air mi NW of Kanab, 2 Sep 2005, *W. Fertig 22310* (NY). **Piute Co.:** 1 Aug 1990, *A. Teye 4954* (UT*). **Salt Lake Co.:** 25 Aug 1979, *B. Albee 4731* (UT*). **Uintah Co.:** floodplain of the Green River at Jensen Bridge, 14 Sep 2007, *S. Goodrich 27328* (NY). **VERMONT. Chittenden Co.:** 27 Sep 1975, *H. E. Ahles 81627* (TENN*). **VIRGINIA. Accomack Co.:** town of Oak Hall, Arcadia High School, along US Rt. 13, Lankford Highway, 37° 55' 33.9" N, 75° 32' 58" W, 3 Jul 2011, *W. D. Longbottom 15384* (NY). **Albemarle Co.:** Mouth of Ballinger Creek on N side of James River, S of deadend of St Rt 627 at Warren, Esmont Quad, 10 Sep 1991, *A. W. Cusick 29887* (MICH*). **Amherst Co.:** 12 Sep 1997, *W. J. Hayden 3809* (URV*). **Appomattox Co.:** *W. J. Hayden 3766* (URV*). **Botetourt Co.:** 19 Sep 1997, *W. J. Hayden 9831* (URV*). **Clarke Co.:** 13 Oct 1997, *W. J. Hayden 3927* (URV*). **Fairfax Co.:** 14 Aug 1983, *T. Bradley 19857* (NCU*). **Giles Co.:** N side of New River just below small island, 1.7 km WNW of Hwy 460 bridge at Bluff City, 16 Jul 2002, *T. F. Wieboldt 11006* (VDB). **Loudoun Co.:** 13 Oct 1997, *W. J. Hayden 3942* (URV*). **Pittsylvania Co.:** 20 Jun 2012, *T. F. Wieboldt 12600* (VPI*). **Powhatan Co.:** 7 Aug 2004, *M. Terry 687* (URV*). **WASHINGTON. Clark Co.:** Salmon Creek Greenway, Klineline Ponds, W side of I-5, near N shore of Salmon Creek, 13 Sep 2002, *P. F. Zika 17847* (NY). **Douglas Co.:** 6.8 miles W of county line, near highway US 2 (11.6 miles W of Coulee City), 6 Jul 1952, *H. H. Bartlett 595* (MICH*). **Klickitat Co.:** Sandy riverbank, Bingen, 2 Oct 1909, *W. N. Suksdorf 6932* (DES*, DES*); Bingen, (MICH*); mouth of the Klickitat River (southeast side) in the Columbia River, 14 Sep 1992, *R. R. Halse 4552* (VDB); *W. N. Suksdorf s.n.* (COLO*). **WEST VIRGINIA. Fayette Co.:** Army Camp, New River Gorge National River, end of dirt road off of Rt 41 along the New River, river right, across from Terry, ca. 2.1 air mi W of Prince, 5 Aug 2014, *J. Vanderhorst 5251* (NY). **Wetzel Co.:** *A. W. Cusick s.n.* (MICH*). **Wood Co.:** *Unknown* (NCU*). **WISCONSIN. Adams Co.:** Bordering 14-Mile Creek [Fourteenmile Creek], 20 Aug 1962, *P. Sorensen 4325* (WIS*). **Bayfield Co.:** Middle Eau Claire Lake, 2 Sep 1928, *N. Fassett 7749* (WIS*); Taylor Lane, N of village, 16 Sep 1996, *E. Judziewicz 12153* (WIS*). **Brown Co.:** W of Peters Marsh, 14 Jul 1987, *G. Fewless 3970* (WIS*); Barkhausen Waterfowl Preserve, *G. Fewless 3972* (WIS*). **Burnett Co.:** Danbury, 26 Aug 1916, *E. Baird s.n.* (WIS*); Shore Clear Lake, Siren, 19 Sep 1928, *N. Fassett 7751* (WIS*); Shore Long Lake. Web [Webb] Lake, 21 Sep 1928, *N. Fassett 7748* (WIS*); Shore Big McKenzie Lake, 20 Aug 1929, *W. McLaughlin 585* (WIS*); Shore Sucker Lake, Web [Webb] Lake, 11 Sep 1929, *W. McLaughlin 586* (WIS*); Shore Sand Lake [near Gaslyn Lake], Gaslyn, 12 Sep 1929, *N. Fassett 9190* (WIS*). **Columbia Co.:** near Portage, 1892-08-20, *R. True s.n.* (WIS*). **Crawford Co.:** Shore Pickerel Slough, 18 Aug 1927, *N. Fassett 7742* (WIS*); Extensive (ca. 850 acres) undisturbed floodplain forest bounded by Kickapoo River, Wisconsin River, and the railroad, 0-2 mi E of Wauzeka, just downstream from RR bridge, 21 Aug 1977, *M. Nee 15799* (WIS*). **Dane Co.:** Wisconsin River, 28 Aug 1941, *F. Stearns s.n.* (WIS*); along the Wisconsin River, 4 Jul 1950, *F. Seymour 11493* (WIS*); Wisconsin River bar, N of Mazomanie, 26 Sep 1973, *W. Tans 265* (WIS*); Lake Barney, S side of CTH M about 2mi NW of Oregon, 18 Sep 1996, *S. Smith 8873* (WIS*); Madison, *T. Hale s.n.* (WIS*, WIS*); Mazomanie, 1892-09-08, *Unknown* (WIS*). **Douglas Co.:** Shore White

Fish Lake, 6 Sep 1928, *N. Fassett 7744* (WIS*); along road referred to as old 27, along shore of Murray Lake near Murray Lake Lodge (burned down last summer), 24 Sep 1962, *T. Gerst s.n.* (WIS*); Wetlands in the vicinity of Pokegama Junction, SW of City of Superior, On S side of Old Hwy 105, 31 Aug 1995, *E. Judziewicz 11661* (WIS*). **Dunn Co.:** Caryville, 14 Aug 1920, *E. Baird s.n.* (WIS*); Shore Elk Lake, S of Elk Mound, 14 Oct 1939, *N. Fassett 20340* (WIS*). **Grant Co.:** Blue River, 4 Aug 1921, *J. Davis s.n.* (WIS*); 5 Aug 1921, *J. Davis* (WIS*); 28 Aug 1922, *J. Davis* (WIS*); Mississippi River bottoms, 8 Sep 1930, *N. Fassett 12622* (WIS*); Mississippi River bottoms, opposite Dubuque [Iowa], *N. Fassett 12630* (WIS*); Mississippi River Bottoms, Glenhaven, 9 Sep 1930, *N. Fassett 13666* (WIS*); Mississippi River bottoms, 10 Sep 1930, *N. Fassett 14157* (WIS*); 11 Sep 1930, *N. Fassett 14180* (WIS*); *N. Fassett 14205* (WIS*); 3 mi S of Cassville, 26 Aug 1933, *R. Anthony s.n.* (WIS*); Sandbar Mississippi [River], S of Glen Lake Landing, 22 Aug 1970, *L. Musselman 3806* (WIS*). **Green Co.:** Sugar River at 81 [E of Juda], 29 Jul 1958, *E. Fell 58-554* (WIS*); at old railroad depot [New Glarus], 28 Aug 1974, *G. Eldred s.n.* (WIS*). **Iowa Co.:** Across from Shot Tower, 1 Aug 1961, *R. Cross 18386* (WIS*); 1.7 mi E of Avoca, 25 Jul 1964, *F. Crosswhite s.n.* (WIS*); Sandbar in Wisconsin River [NE of Avoca], 29 Aug 1968, *M. Nee 1305* (WIS*); E end of Avoca, Lake, a Wisconsin River Bottom Slough, Prairie Hunting Grounds, 6 Sep 1970, *T. Cochrane 3019* (WIS*). **Iron Co.:** E of CAROLINE LAKE, 14 Jul 1996, *E. Judziewicz 11926* (WIS*). **Jackson Co.:** Lake Arbutus, 1 mi E of Hatfield, 25 Aug 1947, *D. Grether 6646* (WIS*); Shore Sand Creek Pond, 8 Aug 1956, *T. Hartley 2084* (WIS*); Town of Komensky in Jackson County Park, E shore of Black River Flowage, Lake Arbutus, 18 Aug 1962, *R. Ellarson s.n.* (WIS*). **Juneau Co.:** Wisconsin River just down river from "Cliffhouse", 14 Oct 1973, *H. Iltis 28083* (WIS*); in village of Necedah, 16 Jul 1988, *V. E. McNeilus 88-122* (EKY*, TAES, TENN*); along edge of Yellow River, in village of Necedah, *V. McNeilus* (WIS*). **Kenosha Co.:** at Wilmot, on left (east) bank of Fox River ca. 300' downstream (S) from the dam S of County C, on wet bank, 14 Sep 1973, *R. Schulenberg 73-414* (MOR*). **La Crosse Co.:** Shore French Island, Onalaska, 22 Aug 1927, *N. Fassett 7737* (WIS*); at La Crosse, 22 Aug 1948, *E. Jones s.n.* (WIS*-2); McGilvray Bottoms, 25 Aug 1958, *A. Peterson 633* (WIS*); Mississippi River miles #691.6, Island 15, label has map, 30 Jul 1975, *S. R. Ziegler 2128* (MWI*). **LaCrosse Co.:** La Crosse, site 40, 25 Sep 1975, *S. D. Swanson 2427* (TAES, VDB). **Lincoln Co.:** along Wisconsin River, 27 Aug 1955, *F. Seymour 16352* (WIS*); Valley of the Wisconsin River near Merrill, 1893-07-31, *L. Cheney 2780* (WIS*). **Manitowoc Co.:** Cherney Maribel Caves County Park, Cooperstown Twp, 25 Jul 1990, *J. Moore 1539* (WIS*). **Marinette Co.:** in the Peshtigo River, 7 Jul 1987, *G. Fewless 3956* (WIS*); Sea Gull Bar, along Lake Michigan, 3 Sep 1989, *G. Fewless 5877* (WIS*). **Outagamie Co.:** Wolf River floodplain, 2 blocks N of Shiocton, 1 block W of Hwy 187, 30 Aug 1976, *G. Wedemayer 294* (WIS*); at edge of boat landing Koepke Co. Park-open Koepke Rd, E of CTH M, 3 mi N of Shiocton, 3 Sep 1977, *K. Rill 4444* (WIS*). **Pepin Co.:** Shore Lake Pepin [near Pepin], 28 Aug 1927, *N. Fassett 7740* (WIS*). **Pierce Co.:** Shore Lake St. Croix, 30 Aug 1927, *N. Fassett 7738* (WIS*); Shore Mississippi River, *N. Fassett 7739* (WIS*). **Polk Co.:** Beach Poplar Lake, 4 Sep 1928, *N. Fassett 7736* (WIS*); Shore Bass Lake, 9 mi E of Luck, 22 Sep 1928, *N. Fassett 7734* (WIS*); Shore Clear Lake, 28 Aug 1929, *W. McLaughlin 587* (WIS*); Shore Island Lake, *W. McLaughlin 588* (WIS*); Shore Magnor Lake, Richardson, *W. McLaughlin 589* (WIS*); Shore St. Croix River, 31 Jul 1934, *N. Fassett 17753* (WIS*); Shore St. Croix River [S of Wolf Creek], 1 Sep 1964, *B. Marcks s.n.* (WIS*); along 220th Ave. near radio tower (both sides), 5 mi W of Milltown, Eureka Twp., 24 Aug 1993, *E. Judziewicz 10751* (WIS*). **Price Co.:** Pike Lake, 31 Jul 1915, *C. Goessl s.n.* (WIS*). **Racine Co.:** On W gravel bank of the White River, just N of the Wis. 11 bridge, in the city of Burlington, 11 Sep 1970, *R. Read 1106* (MOR*). **Richland Co.:** along the Wisconsin River [W of Gotham], 28 Sep 1969, *M. Nee 2675* (WIS*); Sandbar in the Wisconsin River [W of Port Andrew], 6 Aug 1970, *M. Nee 3241* (WIS*); Wisconsin River 3 mi SE of Gotham, 27 Sep 1970, *T. Cochrane 3045* (WIS*); along slough between Garner and Lower Lakes [W of Port Andrew], 13 Aug 1972, *M. Nee 5200-a* (WIS*); Shore Wisconsin River at Cruson Slough, 2.5 mi W of Lone Rock, 31 Aug 1975, *T. Cochrane 7091* (WIS*); Shore of Wisconsin River, Cruson Slough, 2 1/2 mi W of Lone Rock, *T. S. Cochrane* (MICH*); Sandbar in Wisconsin River, opposite lower part of Little Island, 3 mi W of Blue River [Grant Co.], 12 Aug 1977, *M. Nee 15664-a* (WIS*). **Rock Co.:** SE shores of Lake Koshkonong, along dirt road between lake and marsh, 7 Oct 1956, *H. Iltis 8467* (WIS*); Coon Creek dam, 30 Jul 1957, *E. Fell 57-879* (WIS*). **Sauk Co.:** Spring Green, 25 Aug 1930, *J. Davis s.n.* (WIS*); NE shore [Devil's Lake], 31 Aug 1946, *J. Zimmerman 1493* (WIS*); Shore Wisconsin River at Cactus Bluff, 20 Aug 1948, *H. Greene s.n.* (WIS*); along Wisconsin River, 7 Aug 1955, *F. Seymour 16194* (WIS*); along Wisconsin River, at N end of Spring Green bridge, 4 Sep 1958, *H. Iltis 11782* (WIS*). **Sawyer Co.:** Shore Round Lake, 4 Sep 1928, *E. Gilbert 7745* (WIS*); Shore Sand Lake, 10 mi S of Hayward, *E. Gilbert 7747* (WIS*). **St. Croix Co.:** Shore Lake St. Croix, between Houlton & Hudson, 18 Sep 1937, *N. Fassett 20434* (WIS*); 1847-11-30, *C. Parry s.n.* (WIS*). **Taylor Co.:** Jump River, 24 Aug 1994, *D. Fields 1989* (WIS*). **Trempealeau Co.:** Jack Slough, 23 Aug 1927, *N. Fassett 7743* (WIS*); McGilvray Bottoms [E of Trempealeau], 8 Jul 1956, *T. Hartley 1270* (WIS*); Black River in McGilvray Bottoms, 23 Aug 1959, *T. Hartley 8552* (WIS*); Trempealeau, 1860-11-30, *T. Hale s.n.* (WIS*-2). **Vernon Co.:** Mississippi River-Navigation Pool 8, Island 4, Mississippi River-mile #696.7, large island E of main channel, 2 Jul 1975, *S. Ziegler 1550* (WIS*); MS River mile #685.1, 8 Jul 1975, *S. R. Ziegler 1666* (MSUB*); Mississippi River-Navigation Pool 8. Site 54, 11 Jul 1975, *S. Swanson 1392* (WIS*). **Washburn Co.:** W end of Stone Lake, 5 Sep 1928, *N. Fassett*

7746 (WIS*); Shore Nancy Lake. 10 mi W of Minong, 6 Sep 1928, *N. Fassett 7735* (WIS*); Shore of Shell Lake, 22 Sep 1928, *N. Fassett 7750* (WIS*); Spring Lake [S of Springbrook], 17 Sep 1961, *G. Schwerer s.n.* (WIS*). **Waupaca Co.:** Shore Wolf River, 13 Sep 1931, *N. Fassett 15039* (WIS*). **Wood Co.:** Valley of the Wisconsin River near Grand Rapids [now Wisconsin Rapids], 1894-07-06, *L. Cheney 3593* (WIS*). **SOUTH AMERICA. ARGENTINA. CORRIENTES PROV. Paso de los Libres Dept.:** 26 Jan 1945, *C. J. Barrola 2247* (NY). **SAN JUAN. Calingasta Div.:** Vega del Potrero de las Burras, 31° 20' S 69° 40' W, 9 Feb 1990, *R. Kiesling 7406* (NY). **BRASIL BAHIA. :** Municipality of Morro do Chapéu, BR052, vicinity of bridge over Rio Ferro Doido, ca. 18 km E of Morro do Chapéu, 17 Jun 1984, *S. A. Mori 14525* (NY); Feira de Santana, 28 Jun 1998, *F. França 2448* (NY); **PERNAMBUCO:** Praia do Guaibu, 35km S of Recife, 31 Aug 1987, *S. Tsugaru B-1369* (NY); **ECUADOR. GALAPAGOS:** Galapagos Islands, in clearing on Wenman Island, 31 Jan 1964, *J. R. Hendrickson H-9* (NY); Wenman Island, 1 Feb 1964, *E. Y. Dawson s.n.* (NY); **GUAYAS. :** Chanduy, 18 Mar 1973, *L. Holm-Nielsen 2116* (NY). **PERU. AREQUIPA. Islay Prov.:** Lomas de TinTayani, 2 May 1998, *Unknown s.n.* (NY).

Cyperus squarrosus* var. *runyonii

Bastrop Co.: jct of Gotier Trace & powerline easement, NE quadrant of Park, 30°6'27"N 97°14'31"W, 9 Jul 2004, *E. J. Lott 5105* (BRIT). **Kenedy Co.:** Los Norias, 27 May 1941, *R. Runyon 2655* (NY). **Nueces Co.:** 21 Jun 1957, *F. B. Jones 1470* (SMU). **San Patricio Co.:** Welder Foundation Research Area, near headquarters of buildings, 9 mi E of Sinton, 28 Oct 1958, *F. W. Gould 8525* (SMU).

Chapter III
A MORPHOMETRIC ANALYSIS OF A PUTATIVE NEW *CYPERUS* FROM KARST PONDS IN SOUTHERN
GEORGIA
INTRODUCTION

While conducting a rare plant inventory of Moody Air Force Base in 1993, Richard Carter discovered an unusual sedge with apparent affinities with *Cyperus strigosus* L. on the edge of a karst pond in Lanier County, Georgia (Carter, 2015). Subsequently, he found the same novelty in drawn down karst ponds in additional counties of southwestern Georgia and identified a specimen collected by R. K. Godfrey, 83976 (VSC), from a similar habitat in Baker County, Georgia. *Cyperus strigosus* is common and widely distributed along pond edges and various kinds of wetlands and in disturbed, moist soils and ditches. The novelty differs from *C. strigosus* or any of its infraspecific taxa in the surveyed literature (Kükenthal, 1935; Tucker et al., 2002) by its annual habit, shorter height, and excurved, mucronate scales. Moreover, the habitat, phenology, and germination cycle resemble those noted by Kral (1971, 1983) for *Fimbristylis perpusilla* Harper. Like *F. perpusilla*, this plant, apparently restricted to karst ponds, appears to germinate and flourish sporadically only when the ponds are exsiccated. This putative new species is currently included as “*Cyperus species 2*” in Weakley (2015). We conducted a morphometric analysis of 26 characters to further examine the relationship between this putative new species and *C. strigosus*. We predict these unusual plants are sufficiently morphologically distinct from *C. strigosus* to be treated as a distinct new species.

MATERIALS AND METHODS

We examined 12 specimens of the putative new species and 171 specimens of *C. strigosus* from herbaria at Louisiana State University (LSU), University of Georgia (GA), and Valdosta State University

(VSC). For comparison, we also included three specimens of *C. stenolepis* Torr., an infrequently collected, robust relative of *C. strigosus*.

A preliminary study of the critical literature and specimens identified 26 variables for analysis (Table 1). All label data, *a priori* determinations, and variables were recorded in an Excel© spreadsheet. The resulting data were subjected to principal component analysis (PCA) and a multivariate analysis of variance (MANOVA) using Minitab© 17 (2010). Data points plotted were identified by a collector/collection number combination and grouped initially by their *a priori* species determination. The eigenvectors generated from a PCA were used to determine which variables accounted for the most variance. *A posteriori* determinations were then checked against a discriminate analysis (Table 3), MANOVA of all variables (Table 4) and a Euclidean distance dendrogram using diagnostic characters (CULMW, RAYL and MUCRL) (Figure 1).

Scanning electron micrographs were made using a JEOL JSM-6480LV scanning electron microscope. Representative achenes were harvested from specimens and mounted to aluminum stubs with carbon paint. The stubs were then imaged on low magnification using a secondary electron detector. The images were then edited for contrast. Spikelets were photographed by Richard Carter using an Olympus SZ60 stereo dissecting scope, equipped with an Infinity 2 camera.

RESULTS

Results of the PCA (Table 2, Figure 2, and 4) support the recognition of *C. excurrens* as a distinct species from *C. strigosus*. The eigenvalues indicated the PC1 and PC2 accounted for 51.6% of total variance. The variance in PC1 is primarily influenced by the variables CULML, CULMW, MUCL, and HABIT. Variance in PC2 was primarily influenced by the variables like SPKLTL, SCALN, SPKW, SCALW and ACHW. Box plots were made for features of culm and leaf. The MANOVA indicated that variation between groups was significantly greater (p -value < .001) than variance within groups, and the discriminate analysis highlighted no misclassified specimens. These indicated that the variances

between the groups did not overlap significantly. The dendrogram showed all three taxa formed distinct groups.

DISCUSSION

Our findings support the recognition of these karst pond plants from southern Georgia as a new species, morphologically distinct from *C. strigosus*. Our new plant is notably shorter (Figure 5a), and it has a slenderer culm with an average CULMW less than half the average for *C. strigosus* (Figure 5b). Spikelets of the new plant also are much longer than *C. strigosus* of similar vegetative size (Figure 5c), which gives the spikes a loose, obconical appearance as compared to the relatively tight cylindrical spikes of *C. strigosus*. The distinctive floral scales are perhaps the most striking feature, having a conspicuously excurved mucronate apex and paler tawny brown sides. In contrast *C. strigosus* has straight, non-mucronate, golden yellow floral scales.

Statistical analysis of the morphological data further supports the morphological distinctiveness of these unusual plants. The score plot of the PCA showed our putative new taxon forming a distinct cluster separated from *C. strigosus* (Figure 4). This separation was most affected by CULML, CULMW, MUCL, and HABIT (Figure 2), and these diagnostic characters show little to no overlap (Figure 5). PC2 accounts for 13.2% of the variance, with much less impact on the separation of the two species. Components of the inflorescence such as SCALN, SPKLTL, and SPKW effected PC2 most. When considered alone, SPKLTL overlaps with both *C. strigosus* and *C. stenolepis* (Figure 5c). However, when converted into ratios comparing SPKLTL to RAYL, they came into sharp contrast with consistently larger ratios of SPKLTL/RAYL in the unusual plants compared to *C. strigosus* or *C. stenolepis* (Figure 6). This was further supported by a dendrogram using these characters which showed distinct separation between all three taxa (Figure 1). Our statistical analysis supports the hypothesis that these plants differ from its sister species and represent a new narrow endemic species restricted to karst ponds of the coastal plain.

TAXONOMIC TREATMENT AND KEY

Cyperus excurrens R. Carter and P.D. Lowe, sp. nov.—TYPE: **U.S.A. GEORGIA. Early Co.:** ca 2.75 airmiles

WNW Cedar Springs, Shackelford-Williams TNC Preserve, 19 Jul 2007, *R. Carter 17789* (HOLOTYPE:

BRIT!; ISOTYPES: FSU!, GA!, LSU!, NY!, VSC!).

PARATYPES: **U.S.A. GEORGIA. Baker Co.:** Alligator Pond, on the Joseph W. Jones Ecological Research Station (Ichauway Plantation), 9 Sep 1990, *R. Godfrey 83976* (VSC). **Dougherty Co.:** Nilo Plantation, 1.73 airmile SW headquarters, near southern end of Big Cypress Lake, 7 Aug 2007, *R. Carter 17920* (VSC, others to be distributed). **Early Co.:** ca 2.9 airmiles WNW Cedar Springs, Shackelford-Williams TNC Preserve, 19 Jul 2007, *R. Carter 17762* (VSC, others to be distributed). **Lanier Co.:** Moody Air Force Base, ca. 1.0 mi S jct. Moore Loop and Shiner Pond Rd, ca. 100 m W jct. Moore Loop and Ward Strip, 30.972998 -83.143988, 28 Aug 1993, *R. Carter 11266* (VSC, others to be distributed).

Annual herb, 1.1–3.0 (-3.5) dm high, moderately cespitose. Culm 1.0-2.5 (-3.0) dm long, erect to mostly spreading, trigonous, 0.5-1.5 mm wide at midpoint. Foliage leaves 1 or 2 (-3) leaves per culm; sheath dorsally chartaceous, ventrally membranous; blades usually light green to tan, V-shaped in cross-section, 5-25 cm long, 0.5-1.5 mm wide, infrequently toothed on margin. Inflorescence of 3-6 rays, occasionally without apparent rays and appearing loosely obconical to hemispherical to oblong; rays erect to spreading, longest rays (0.5-) 1.0-2.5 cm long; peduncles slender, glabrous. Primary inflorescence bracts 3-5 (-7), spreading, 10-20 (-25) cm long, 0.5-1.5 (-2) mm wide. Spikes (12-) 15-30 mm x 15-30 mm, moderately loose, 20-40 spikelets, 0.5-1.2 spikelets per mm; rachis (4.5-) 6.4-10.3 (-14.8); basal spikelet divaricate, becoming erect at apex. Bracteoles narrowly triangular, bracteole 2.4-3 mm. Spikelet prophylls triangular to oblong. Spikelets with 9-20 [8-18 fertile] floral scales, medially green to brown, laterally pale to yellow to green to ochre, 10-20 mm long, 1-2 mm wide. Scales imbricate, appressed, narrowly oblong to linear, mildly reflexed in the top half, 3-4 mm long, 0.3-0.4 (-0.5) mm wide, 0.3-0.4 (-0.6) mm mucronate apex; nerves 7. Achene tan to brown, ± stipitate, narrowly

oblong with a slight curve on one side, trigonous in cross section with curved side slightly narrower than the other two, (1.1-) 1.4-1.6 x 0.3-0.4 mm, apex apiculate, surface papillate, sloughing off easily, subsurface ornamented with hexagonal depressions.

Diagnosis—*Cyperus excurrens* differs from *C. strigosus* in its annual habit, shorter stature, floral scales with excurved mucronate tips, and smaller achenes.

Habitat—*Cyperus excurrens* is restricted to coastal plain karst ponds in southwestern Georgia. It appears *en masse* in exsiccated ponds but is otherwise elusive. Additional populations should be sought in southern Alabama, northern Florida, and other areas with karst topography in the southeastern United States.

Etymology—The specific epithet, *excurrens*, refers to the floral scales with excurved, mucronate tips.

Dichotomous Key to *Cyperus excurrens* and related taxa

- 1a. Plant annual, 2—3 dm high; culm slender 0.5—1 (—1.5) mm; scale with excurved mucro.....
*Cyperus excurrens*
- 1b. Plant perennial, ≥ 3 dm high; culm wider 1.8—3 mm; scale mucro absent 2
 - 2a. Culm 3—8 (—11) dm; spikelets 10—15 (—20) mm long; nerves (2—) 3—4; anthers (2—) 3—4 (—5) mm long.....*Cyperus strigosus*
 - 2b. Culm > 10 dm; spikelets 18—30 mm long; nerves 5; anthers 5—7 mm long.....
*Cyperus stenolepis*

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TABLES AND FIGURES

TABLE 1. List of characters used in analysis.

CULML	Culm length (cm)
CULMW	Culm width at mid-culm (cm)
LEAFL	Length of longest leaf (cm)
LEAFW	Width of longest leaf at mid-leaf (mm)
BRCTL	Length of longest bract (cm)
BRCTW	Width of longest bract at mid-bract (mm)
RAYL	Length of longest ray (cm)
RAYN	Number of inflorescence rays
BRCTN	Number of primary inflorescence bracts
BRCTNL	Number of primary inflorescence bracts longer than longest ray
INFW	Inflorescence width (cm)
SPKL	Length of longest spike (mm)
SPKW	Width of widest spike (mm)
SPKLTL	Spikelet length (mm)
SPKLTW	Width of widest spikelet (mm)
SCALN	Floral scale number per spikelet
SCALL	Scale length (mm)
SCALW	Scale half-width (mm)
MUCRL	Mucro length (mm)
NERVN	Number of nerves per half-scale
ACHL	Achene length (mm)
ACHW	Achene width (mm)
ANTHL	Anther length (mm)
HABIT	Annual or perennial

TABLE 2. Eigenvalues and coefficients of the PCA. See Table 1 for morphology abbreviations.

	PC1	PC2	PC3	PC4	PC5	PC6
EIGENVALUES	8.821205	3.054789	2.038125	1.417522	1.21534	0.85624
PROPORTION	0.383531	0.132817	0.088614	0.061631	0.052841	0.037228
CUMULATIVE	0.383531	0.516348	0.604962	0.666593	0.719434	0.756662
VARIABLE	PC1	PC2	PC3	PC4	PC5	PC6
CULML	0.273137	-0.06425	-0.06301	0.146861	0.261379	0.168827
CULMW	0.301051	-0.0493	-0.13652	0.043847	-0.08627	-0.0825
LEAFL	0.250766	-0.02892	-0.07036	0.130608	0.263724	0.340287
LEAFW	0.239465	-0.02861	-0.05104	0.355171	-0.29916	-0.04384
BCTL	0.252656	-0.00434	-0.16803	-0.11656	0.221187	0.213779
BCTW	0.280063	-0.03571	-0.08137	0.173865	-0.20529	-0.02451
RAYL	0.280956	-0.09002	-0.08944	0.163377	-0.19167	0.014909
RAYN	0.233791	0.060699	-0.25313	-0.21528	-0.22473	-0.0573
BCTN	0.214585	0.073023	-0.26531	-0.25299	-0.19306	-0.20059
INFW	0.262631	-0.12433	-0.12736	-0.21015	-0.1241	-0.08653
SPKL	0.208661	-0.20288	0.003367	-0.25364	-0.00133	0.035711
SPKW	0.100295	-0.41236	0.169178	-0.25373	0.090081	-0.13596
SPKLT	0.052827	-0.49487	0.194793	-0.13196	0.063209	-0.05177
SPKLTW	0.048188	-0.09744	0.342342	0.215178	-0.51569	0.17615
SCALN	-0.07842	-0.51804	0.118133	-0.04931	-0.0695	-0.07952
SCALL	0.207306	0.02559	0.244875	0.060981	0.07121	0.347244
SCALW	0.138824	0.144618	0.333704	-0.37686	0.100935	0.048583
MUCL	-0.21361	-0.31367	-0.24139	0.203795	0.028272	0.061883
NRVN	0.174646	-0.05467	0.030362	0.314464	0.309434	-0.38992
ACHL	0.202707	-0.02062	0.258811	0.187907	0.186342	0.212514
ACHW	0.016101	0.100655	0.444072	0.094434	-0.18026	-0.19124
ANTHL	0.173763	0.092159	0.123171	0.185076	0.266132	-0.57098
HABIT	-0.22106	-0.2863	-0.26211	0.220871	0.038358	0.055552

TABLE 3. MANOVA for all characters between the three of taxa.

MANOVA for TAXA					
s = 2	m = 9.5	n = 75.0			
				DF	
Criterion	Test Statistic	F	Num	Denom	P
Wilks'	0.01200	56.172	44	304	0.000
Lawley-Hotelling	34.08248	116.965	44	302	0.000
Pillai's	1.56715	25.179	44	306	0.000
Roy's	32.60162				

TABLE 4. Discriminate analysis results for the three taxa.

<i>A priori</i> group	True Group		
	<i>C. excurrens</i>	<i>C. strigosus</i>	<i>C. stenolepis</i>
<i>C. excurrens</i>	16	0	0
<i>C. strigosus</i>	0	146	1
<i>C. stenolepis</i>	0	10	3
Total N	16	156	4
N Correct	16	146	3
Proportion	1.000	0.936	0.750

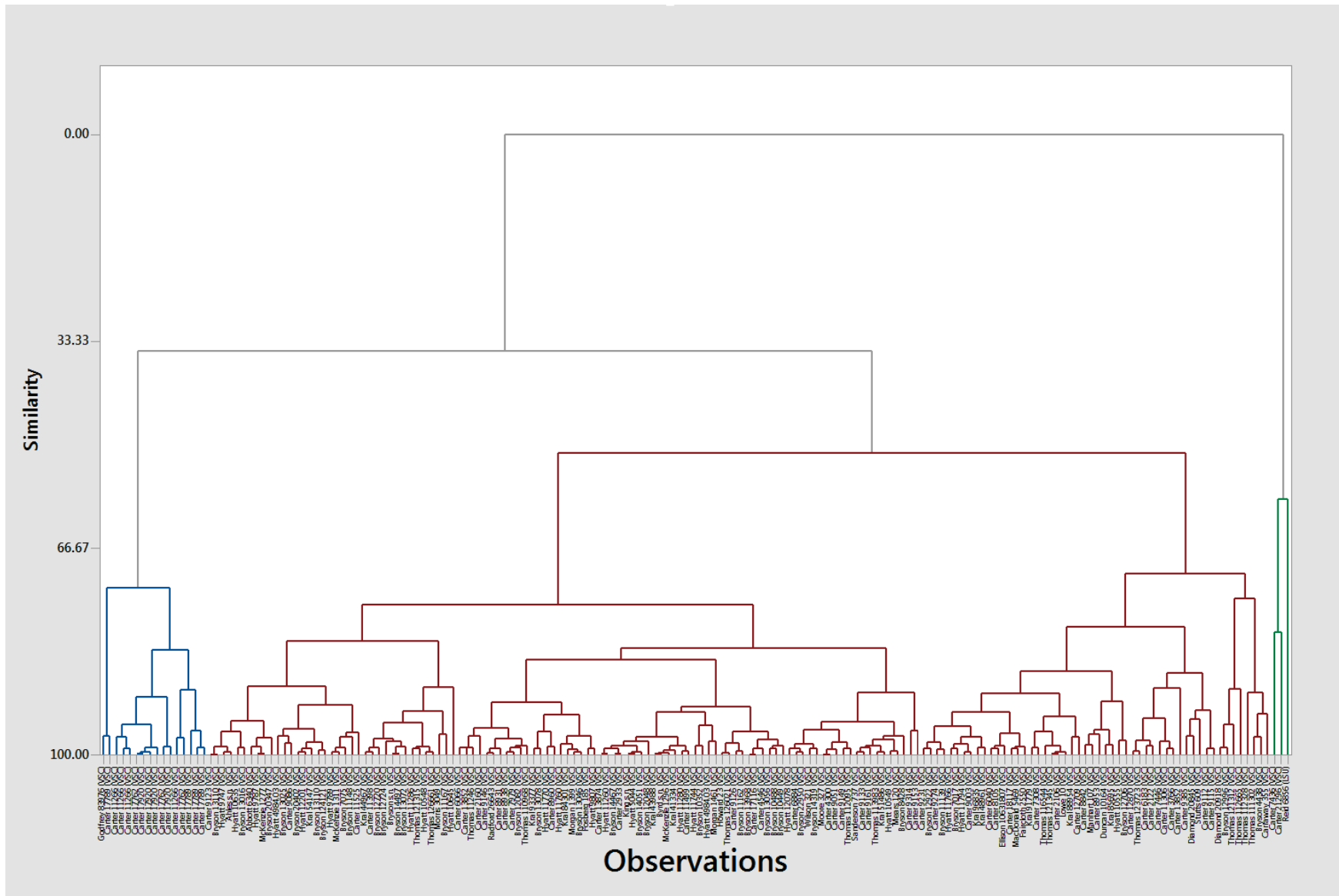


FIGURE 1. Euclidian dendrogram using diagnostic characters. Blue = *Cyperus excurrens*, red = *C. strigosus*, green = *C. stenolepis*.

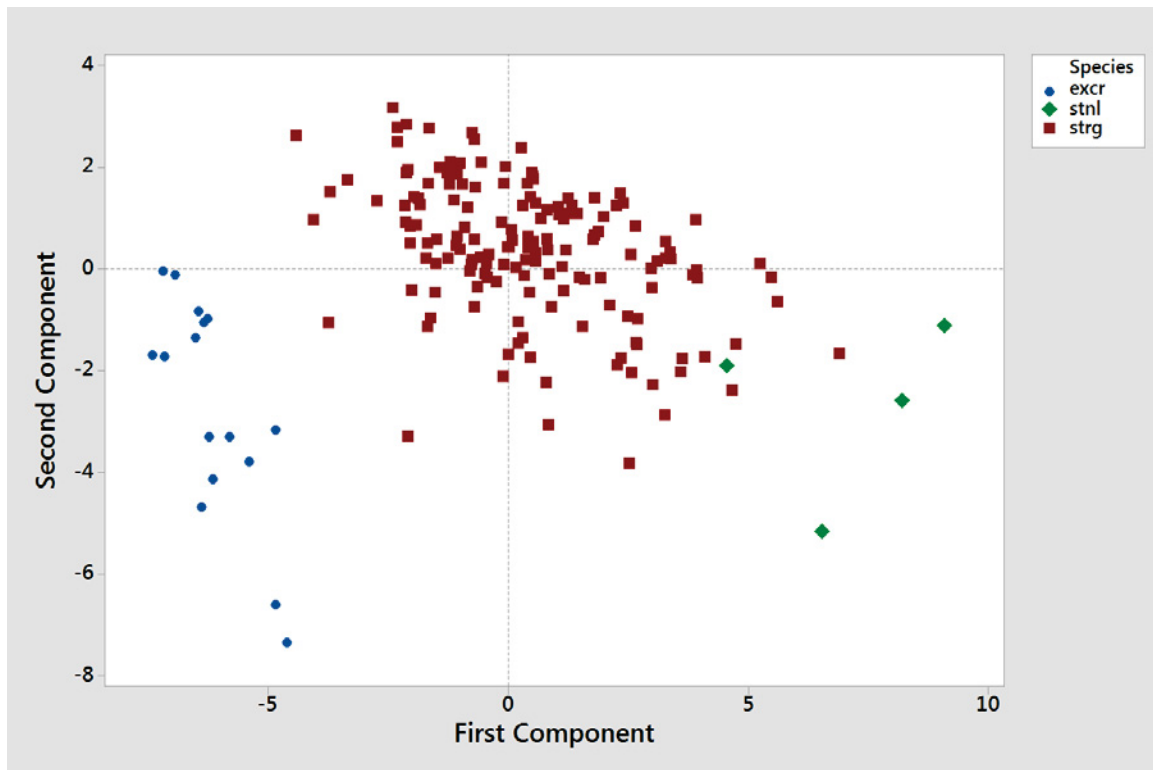


FIGURE 2. PCA score plot grouped for *Cyperus excurrens* (excr), *C. strigosus* (strg), and *C. stenolepis* (stnl).

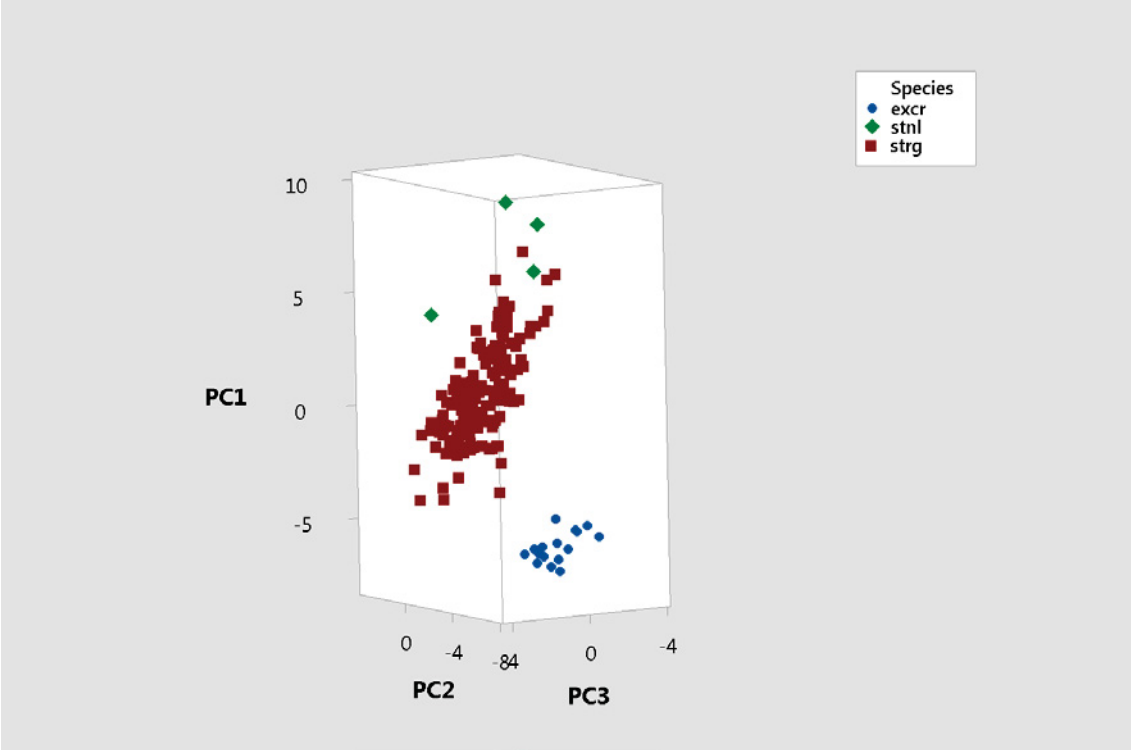


FIGURE 3. Three-dimensional score plots for PC1, PC2, and PC3, showing *Cyperus excurrens* (*excr*), *C. strigosus* (*strg*), and *C. stenolepis* (*stnl*).

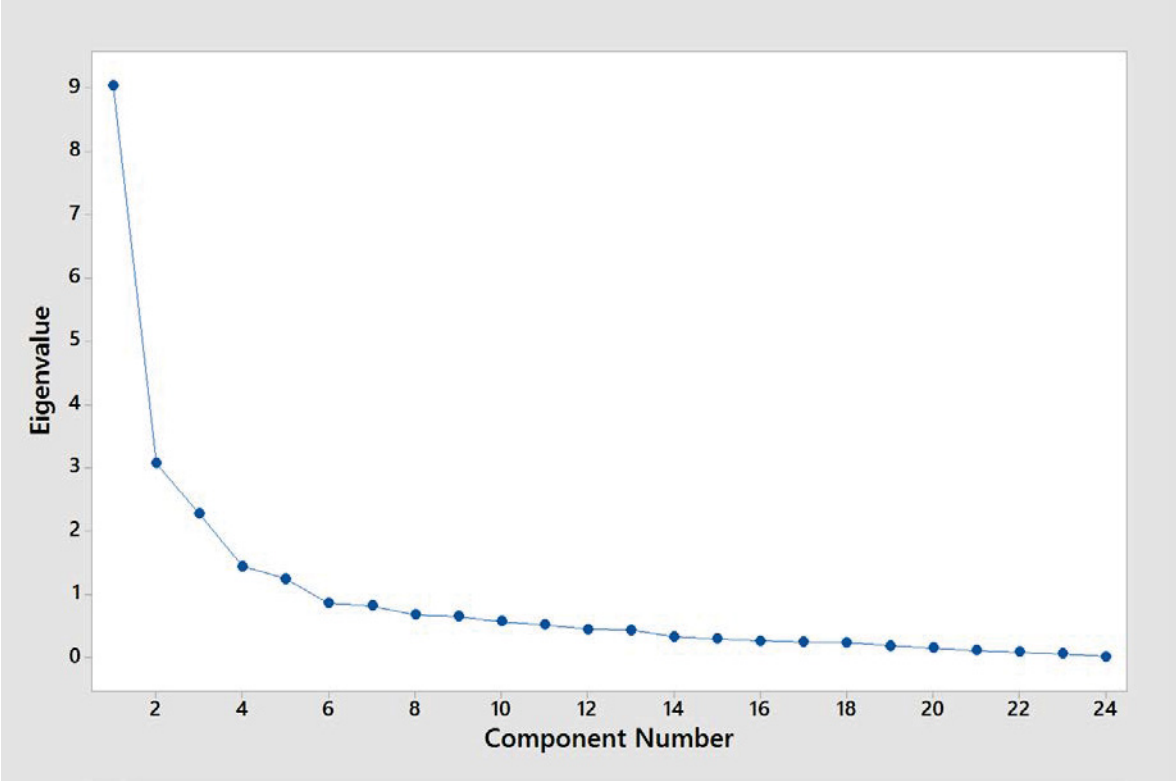


FIGURE 4. PCA scree plot for the three taxa.

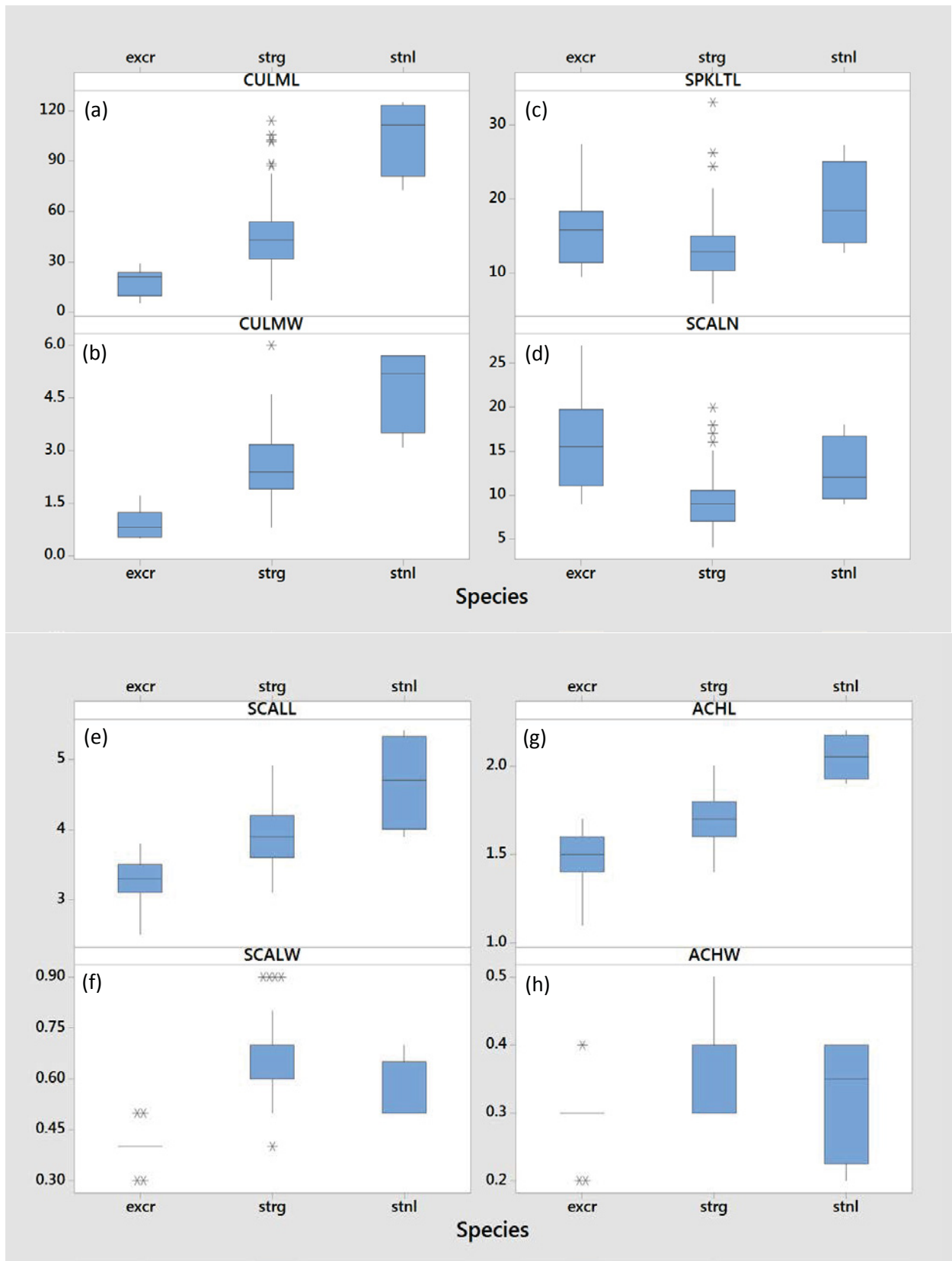


FIGURE 5. Boxplots for CULML (a), CULMW (b), SPKLT (c), SCALN (d), SCAL (e), SCALW (f), ACHL (g), ACHW (h) for *Cyperus excurrens* (excr), *C. strigosus* (strg), and *C. stenolepis* (stnl).

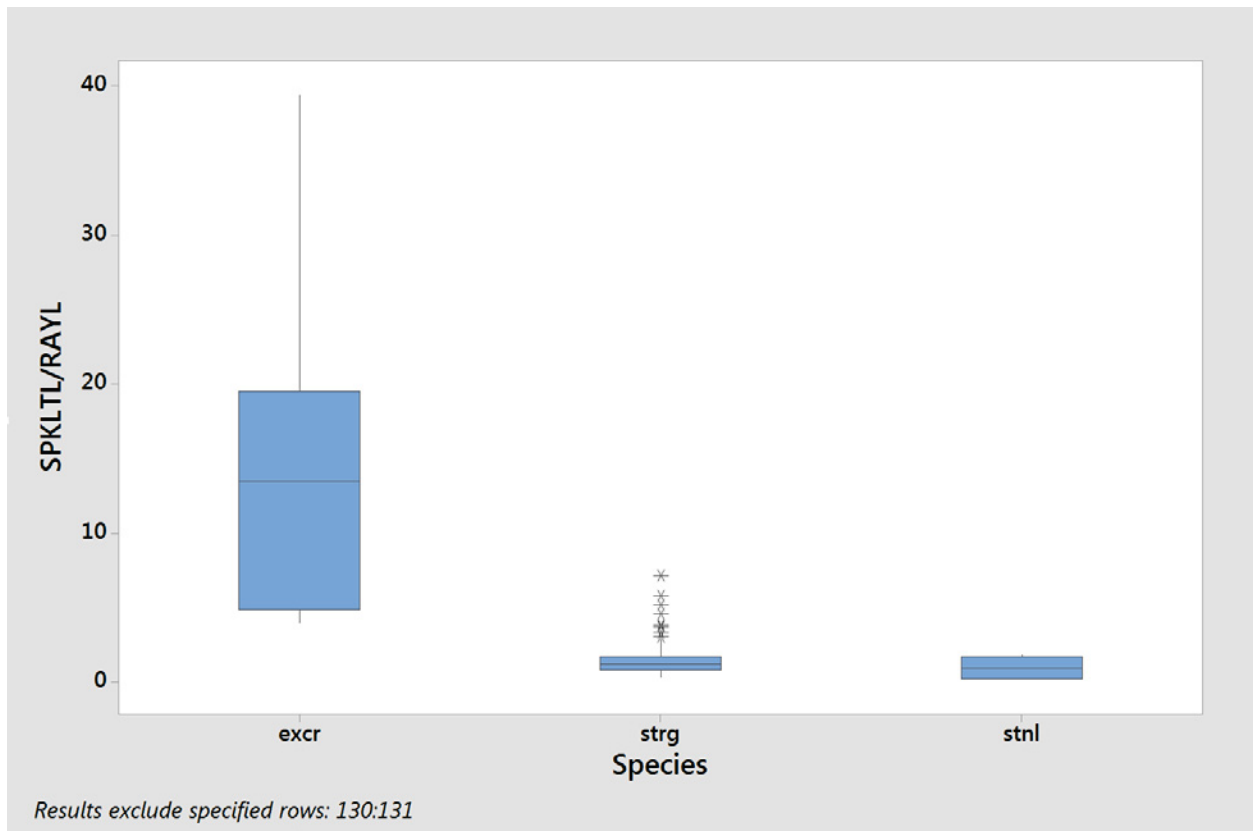


FIGURE 6. Boxplot of SPKLTL/RAYL for *Cyperus excurrens* (excr), *C. strigosus* (strg), and *C. stenolepis* (stnl) excluding two *C. excurrens* outliers with sessile spikes.

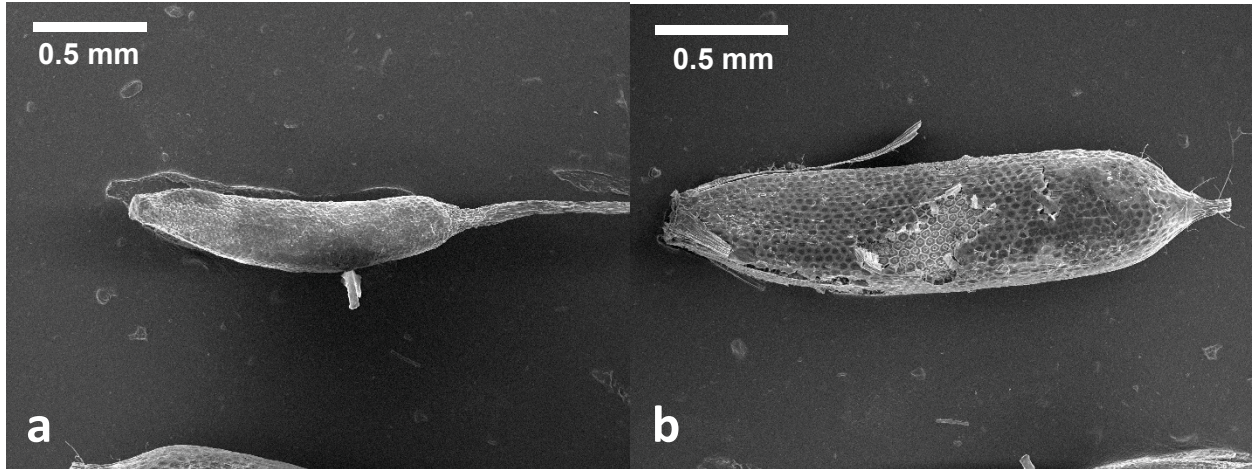


FIGURE 7. Scanning electron micrographs of achenes of (a) *Cyperus excurrens* (Carter 11266, VSC) and (b) *C. strigosus* (Carter 13852, VSC).

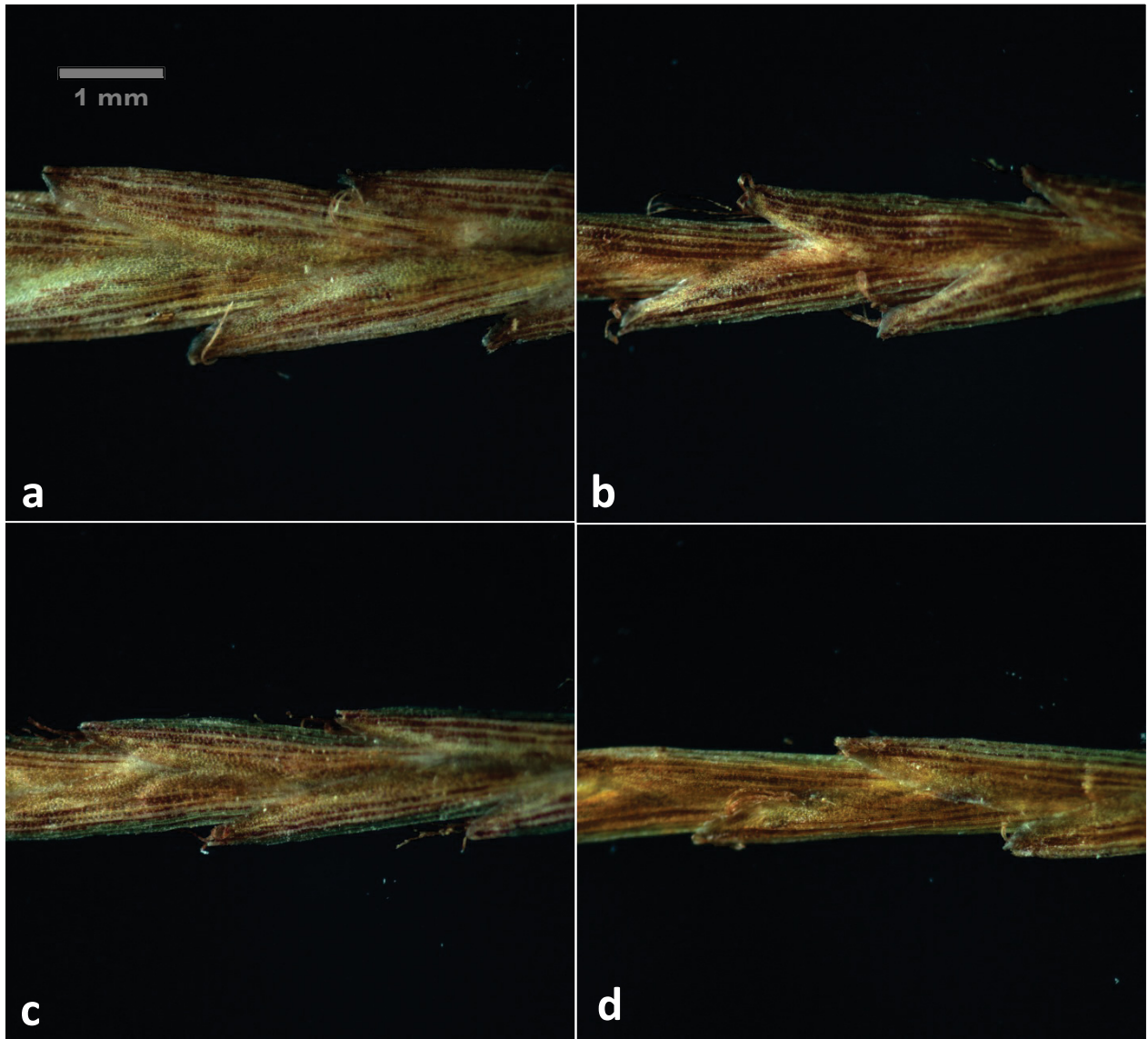


FIGURE 8. Light micrographs of spikelets of *Cyperus strigosus* (a) Wilson 321(VSC), (b) Carter 7446 (VSC), (c) Carter 9161 (VSC), and (d) Moore 1327 (VSC). Photos by Richard Carter.

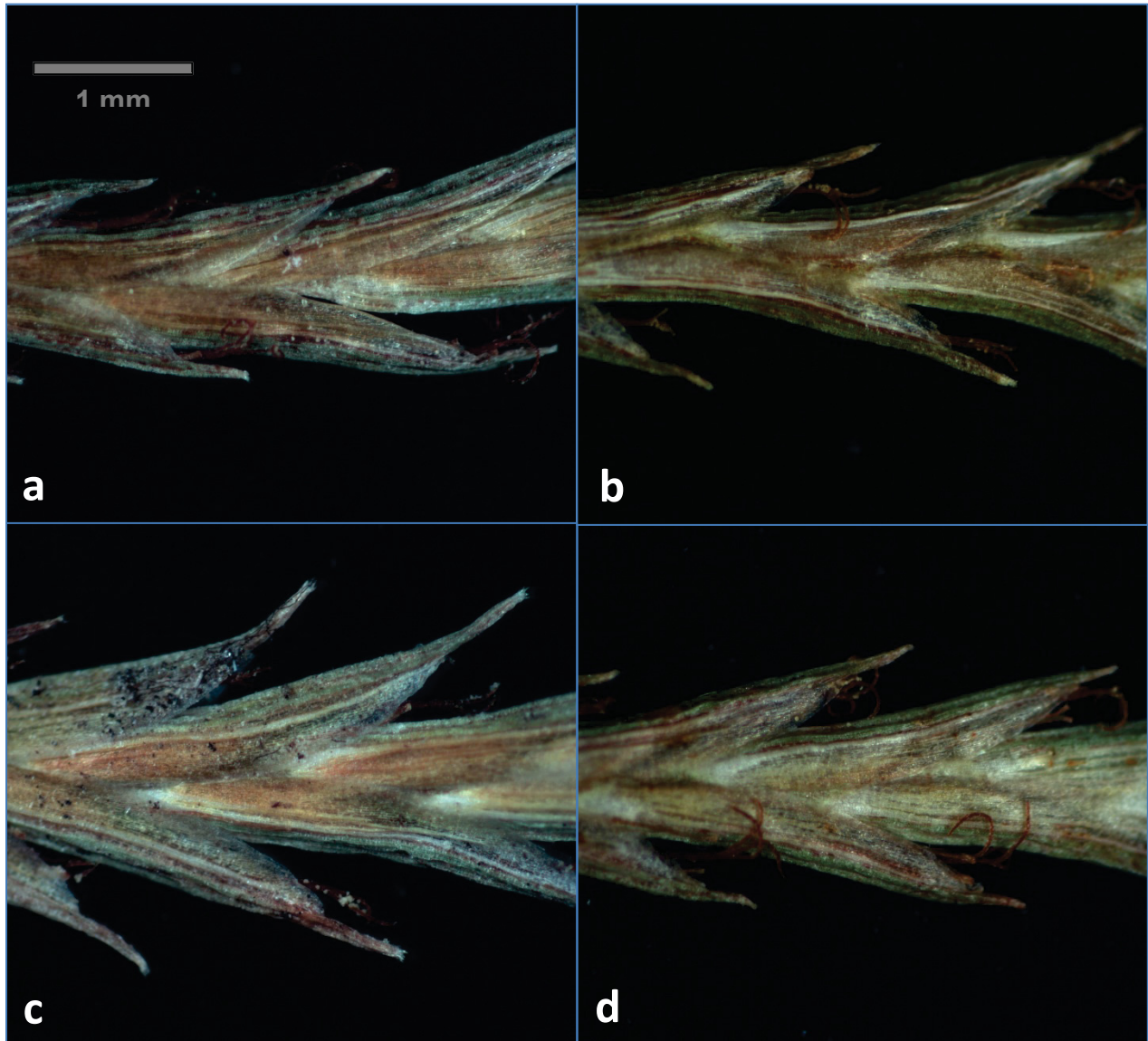


Figure 9. Light micrographs of spikelets of *Cyperus excurrens* (a) Godfrey 83976 (VSC), (b) Carter 11266 (VSC), (c) Carter 17789 (VSC), and (d) Carter 17920 (VSC). Photos by Richard Carter.

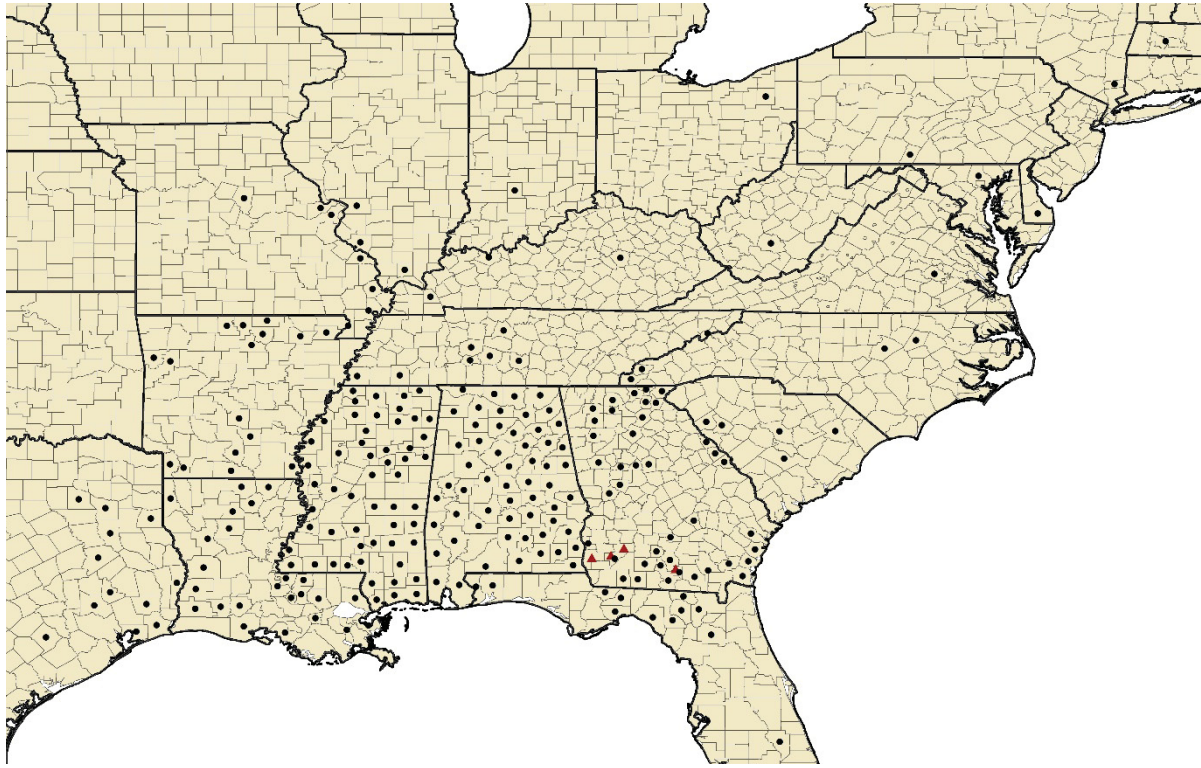


FIGURE 10. The distribution of *Cyperus strigosus* (circles) and *C. excurrens* (triangles) based on 171 specimens examined in the study from GA, LSU and VSC. Base map was obtained from the United States Geological Survey via the Georgia GIS Clearinghouse (data.georgiaspatial.org).

APPENDIX A:

Additional vouchers examined

Cyperus stenolepis

NORTH AMERICA. U.S.A. FLORIDA. Alachua Co.: across the Styx Tiver on the S side of FL 346, ca 3.5 mi E of Micanopy, 5 Nov 1982, *Larry Hacker 57* (VSC). **Okeechobee Co.:** N of Okeechobee, along E side Hwy US 441, ca 5 mi S Fort Drum, 22 Sep 1996, *R. Carter 13852* (VSC-2); ca. 17 mi N of Okeechobee jct. Hwy. US 441 and Hwy. FL 70, along Hwy. US 441, 19 Aug 2013, *R. Carter 21296* (VSC-2).

Cyperus strigosus

NORTH AMERICA. U.S.A. ALABAMA. Baldwin Co.: Battleship Parkway, 1.1 mi E of Mobile City limit, 8 Aug 1989, *R. Carter 8105* (VSC). **Barbour Co.:** S side of Hwy AL 10, 1.1 mi E of Pike-Barbour County line (Pea River), 20 Aug 2011, *Derek Morrison 23* (VSC). **Butler Co.:** Hwy 45 at the NW side of Persimmon Creek, 25 Jul 2009, *A. R. Diamond 20845* (VSC). **Calhoun Co.:** AL 77 8.6 mi S of Coosa River bridge, 23 Aug 1996, *R. Kral 86606* (VSC). **Clay Co.:** by AL 9, 2.6 mi N of jct AL 148 at Millersville, 17 Sep 2005, *R. Kral 96835* (VSC). **Covington Co.:** Hwy 55, 0.08 mi N of Covington County Hwy 107, 15 Aug 2009, *A.R. Diamond 20871* (VSC). **Crenshaw Co.:** by AL 106, 20.2 mi E of Georgiana, 26 Sep 1999, *R. Kral 88954* (VSC). **Dallas Co.:** by AL 41, by jct US 80, SE side Selma, 4 Oct 1994, *R. Kral 84301* (VSC). **Henry Co.:** 2.8 mi NE Abbeville, 8 Oct 1972, *R. Kral 48961* (VSC). **Houston Co.:** vic. Of Gordon, on Hwy 84 at 0.15 mi W of jct with Hwy 95, 10 Sep 1992, *John MacDonald 5469* (VSC). **Lawrence Co.:** by AL 24, 9 mi WSW Trinity, 14 Sep 1971, *R. Kral 43988* (VSC). **Lowndes Co.:** by AL 41, 19 mi SSW Sardis, 7 Oct 1971, *R. Kral 44967* (VSC). **Madison Co.:** ca. 8 mi N Huntsville city limits; 8.5 mi N jct Hwy AL 53 & Mastin Lake Road; 0.7 mi N jct Hwy AL 53 & Harvest Rd; E of AL 53, 14 Jul 1994, *Charles Bryson 13968* (VSC). **Mobile Co.:** Mobile; 0.95 mi W jct Hwys US 90 and AL 163 S; jct Commerical Park Blvd and Government St (Hwy US 90), 12 Sep 1995, *R. Carter 12709* (VSC). **Montgomery Co.:** Montgomery County Hwy 38, 0.77 mi N of the Pike County line, 9 Aug 2009, *A.R. Diamond 20866* (VSC); Montgomery County Hwy 30 at over-flow bridge N of Baskin's Mill Creek, 8 Sep 2009, *A.R. Diamond 20918* (VSC). **ARKANSAS. Baxter Co.:** Spring Lake Estates, at shoreline of Spring Lake, 15 Aug 1992, *Philip Hyatt 4984.03* (VSC-4); Arkansas State University - Mtn. Home campus, 7 Oct 2001, *Philip Hyatt 10645* (VSC). **Calhoun Co.:** Hampton vicinity, 10.2 mi S on US Hwy 167 at T15S R14 W S25 NE4 at only mapped crossroad in this S25, 13 Sep 2002, *Philip Hyatt 11260* (VSC). **Chicot Co.:** Chicot Lake County Park, N side of Lake Chicot, 15 Oct 2004, *Charles Bryson 20402* (VSC). **Cleveland Co.:** Kindsland vicinity, about 3.5 mi E on US Hwy 79 at Moro Creek. T10S R12W S16NW4NW4, 13 Sep 2002, *Philip Hyatt 11280* (VSC). **Crawford Co.:** W of Rudy near jct of Hwys 59 and 348 on Kevin Brown's Evergreen Sod Farm, 25 Oct 1996, *John King s.n.* (VSC). **Franklin Co.:** Cass, W of Hwy Ar 16; across hwy from work center, 12 Aug 1992, *Charles Bryson 12048* (VSC). **Fulton Co.:** Ruth vicinity, about 3-4 mi due S at T19N R11W S15 NW4, 7 Oct 2001, *Philip Hyatt 10635* (VSC). **Grant Co.:** Sheridan vicinity, about 2.5 mi N, at T4S R13W S27 NE4 at Big Creek bridge, 9 Oct 2000, *Philip Hyatt 9807* (VSC); Sheridan vicinity, about 7 mi N on US Hwy 67 at probably T3S R14W S35 SW4, 14 Sep 2002, *Philip Hyatt 11286* (VSC). **Greene Co.:** S of Paracould, by Hwy US 49, about 2 mi N of jct with Hwy AR 69, 20 Aug 1991, *R. Carter 8938* (VSC). **Izard Co.:** Clinton/Miller prison vicinity, on AR Hwy 5. This collection from Baxter County line at Moccasin Creek. T17N R11W W edge of S6 in SW4, 9 Oct 2000, *Philip Hyatt 9747* (VSC). **Lafayette Co.:** State Line community vicinity; about 2 mi SE at T20S R24W S11 at center of NW4 (from Louisiana, 0.5 mi N of Co. Rd then left onto W C.C.C. Rd, 1.3 mi to intersection withing 200 ft shot of private road to right, 18 Jun 2000, *Philip Hyatt 9500* (VSC); Bradley vicinity, about 1 mi S (actually 4.5 mi N of Louisiana on AR Hwy 29) at T19S R25W S24 NW4 of SW4, 20 May 2001, *Philip Hyatt 10262* (VSC); T17N R15W S34 NE4 along gravel bed in river, Puffalo Point campground vicinity, 17 Aug 2001, *Philip Hyatt 10555* (VSC); Walnut Hill on W side of town where a tributary to Poston Bayou crosses AR Hwy 160; T19S R25W E 1.2 of SW4 of S10, 17 Aug 2001, *Philip Hyatt 10555* (VSC). **Lawrence Co.:** Walnut Ridge vicinity on US Hwy 63, 9 Sep 2008, *Philip Hyatt 12201* (VSC). **Marion Co.:** T17N R15W S34 NE4 along gravel bed in river Buffalo Point campground vicinity, 9 Oct 2000, *Philip Hyatt 9787* (VSC). **Miller Co.:** Doddridge vicinity, a couple mi E on AR Hwy 160 (old route at river) at Red River. Immediately upstream from old ferry landing and downstream from the large new bridge, T19S R27W near center of S5, 17 Aug 2001, *Philip Hyatt 10548* (VSC); 17 Aug 2001, *Philip Hyatt 10549* (VSC). **Stone Co.:** confluence of stream from Blanchard Springs and Sylamore Creek, 29 Sep 1992, *Philip Hyatt 5044* (VSC). **Union Co.:** Large clearcut pine woods beside AR 275, 3.3 mi N of the Louisiana State Line and 7.2 mi S of Strong, S16 T19S R12W, 6 Jul 1989, *R. Thomas 110968* (VSC); beside Amasen Rd just SE of US 167 SW of Calion S20 T16S R14W, 21 Jul 1989, *R. Thomas 111302* (VSC); Roadbank of paved road 0.1 mi W of AR 335 W of AR/NW of El Dorado; SW corner of S31 T16S R15W, 4 Aug 1989, *R. Thomas 111761* (VSC); Edge of pine woods and roadbank of AR 129, 1.1 mi NW of Lawson, S25 T17S R14W, 21 Aug 1989, *R. Thomas 112328* (VSC); along N side of paved road to Felsenthal Lock and Dam at Felsenthal; S15 T19S R10W, 1 Sep 1989, *R. Thomas 112446* (VSC); at Dollar Junction NW of Felsenthal and N of Huttig in SE corner of S12 T19S R11W, 1 Sep 1989, *R. Thomas 112503* (VSC); edge of pine woods beside dirt road and US 82 at jct of roads to Huttig and New London about 6 mi W of the Ouachita River; S23 T18S

R11W, 1 Sep 1989, *R. Thomas 112572* (VSC); disturbed area in woods N of CCC Rd 1.1 mi W of US 167 W of Calion S17 T16S R14W, 15 Sep 1989, *R. Thomas 112665* (VSC); Beside AR 129 at Frank LaPere Creek S of Huttig, S36 T19S R11W, 22 Oct 1989, *R. Thomas 113983* (VSC); area around oil tanks beside dirt rd 2.1 mi N of Louisiana State Line and 1.7 mi SE of Aurelle; S30 T19S R12W, 13 Aug 1990, *R. Thomas 120243* (VSC); Along S side of US 82 at Felsenthal Rd N of Dollar Jct and Huttig; Sec. 23, T18S, R11W, 20 Sep 1990, *R. Thomas 121312* (VSC); 20 Sep 1990, *R. Thomas 121315* (VSC). **CALIFORNIA. Yuba Co.:** 12.5 mi ENE Marysville jct. Hwy CA 20 and Hwy CA 70, by Hwy CA 20, 31 Jul 2006, *Richard Carter 17116* (VSC). **DELAWARE. Sussex Co.:** About 6 mi E of state line on Hwy 404, W of Bridgeville, 26 Aug 1983, *Richard Carter 3766* (VSC). **FLORIDA. Columbia Co.:** 22.4 mi N of Lake City, near jct Hwy US 441 and Hwy FL 6, 3 Jul 1988, *Richard Carter 6884* (VSC). **Escambia Co.:** S side of Ensley, wet ditch beside Hwy US 29, 8 Aug 1989, *Richard Carter 8092* (VSC). **Gadsden Co.:** at junction of CR157 and CR153, generally SE of Havana, 12 Oct 2013, *Loran Anderson 27564* (VSC). **Hamilton Co.:** 2.5 mi S of Jasper, along Hwy US 129, 7 Sep 1985, *Richard Carter 4546* (VSC). **Lafayette Co.:** 18.1 mi SW on FL 51 from its jct with US 27 in Mayo, 10 Jul 1990, *Stanley Jones 7303* (VSC); 10 Jul 1991, *Stanley Jones 7299* (VSC); 10 Jul 1991, *Stanley Jones 7300* (VSC). **Leon Co.:** beside Lakeshore Drive under I-10 overpass in NW sector of Tallahassee. T1N, R1W, NW 1/4 of SE 1/4 of Sec 14., 25 Sep 2004, *Loran Anderson 20954* (VSC). **Santa Rosa Co.:** vicinity milepost 24 of Hwy I-10, ca 5 mi E of Escambia Bay bridge, 15 Sep 1993, *Richard Carter 11306* (VSC). **Suwannee Co.:** Intersection of Hwy I-75 and Hwy US 129, 17 Aug 1985, *Richard Carter 4300* (VSC). **Taylor Co.:** 8.5 mi N of Perry, 13 Oct 1980, *Richard Carter 2580* (VSC). **Wakulla Co.:** St. Marks Nat'l Wildlife Refuge (Panacea Unit), beside Rd 407 just inside gate to Hwy 319, S of Sopchoppy, 3 Sep 2014, *Loran Anderson 28398* (VSC). **GEORGIA. Bartow Co.:** Cartersville, vacant lot at corner of Tennessee St. (=Hwy GA 61) and Mary St, 13 Sep 1991, *Richard Carter 9123* (VSC). **Ben Hill Co.:** Ocmulgee River in the NE corner of the county at Red Bluff, 19 Aug 1967, *Wayne Faircloth 4610* (VSC). **Berrien Co.:** 5.1 mi N of Lowndes-Berrien Co. line, or 11.6 mi N of Bemiss, 9 Aug 1987, *Richard Carter 6066* (VSC). **Brantley Co.:** Hwy US 82, 6.0 mi W of jct. with Hwy US 301 in Nahunta, 21 Sep 1991, *Richard Carter 9231* (VSC). **Butts Co.:** mowed interchange area at intersection of hwy US 23 and I-75, 2.7 mi N of Macon city limit, 9 Aug 1987, *Richard Carter 6040* (VSC). **Camden Co.:** Cabin Bluff Preserve; USGS Kingsland NE Quad.; ca. 11.75 air miles NNE St. Marys waterfront; 0.35 mi W Cabin Bluff Lodge; flatwoods between air strip and S entrance to sporting clay course train (Red Bug Trail), 6 Oct 1995, *Richard Carter 12870* (VSC); Kings Bay Submarine Base; ditch along N side H. L. Stimson Dr., 0.2 mi E of jct H. L. Stimson Dr. and James Madison Rd., 11 Oct 1996, *Richard Carter 13874* (VSC). **Clay Co.:** Hwy GA 37, 6.7 mi W of intersection with Hwy US 27 in Sutton Corner, 28 Sep 1991, *Richard Carter 9385* (VSC). **Clinch Co.:** 1.1 mi W of Hwy US 441 in Fargo; disturbed right-of-way along Hwy GA 94 in Suwanonoochee Creek bottom at Hwy GA 94 bridge, 9 Jul 1991, *Richard Carter 8842* (VSC). **Colquitt Co.:** NNW Moultrie, Hwy GA 33, 2.7 mi S New Elm, 26 Sep 2007, *Richard Carter 18117* (VSC). **Columbia Co.:** just E of Dixie Mtn. about 3.5 mi (5.6 km) E of Hwy GA 104, off Burks Mountain Rd, 13 Aug 2006, *M. Morris s.n.* (VSC). **Cook Co.:** 2.5 miles NNE of Sparks, E of jct. Brushy Creek Rd and Webb Mathis Rd, by Webb Mathis Rd, 9 Oct 1999, *Trina Howard 23* (VSC). **Coweta Co.:** Morgan Rd. between Senoia and Turin swampy area, 23 Jul 1967, *Janice Griffin s.n.* (VSC). **Gilmer Co.:** about 6 mi S of Ellijay city center; base of steep road cut at jct of Hwys GA 382 and GA 5/515, 14 Sep 1991, *Richard Carter 9146* (VSC). **Glynn Co.:** USGS Sterling (GA) Quad., 26 Aug 1988, *Richard Carter 7424* (VSC); USGS Jekyll Island (GA) Quad., 26 Aug 1988, *Richard Carter 7436* (VSC-2). **Gordon Co.:** E of Fairmont by Hwy GA 53; Pleasant Grove Baptist Church grounds along S side of Hwy GA 53, 13 Sep 1991, *Richard Carter 9126* (VSC). **Grady Co.:** by Grady Co. Sheriff's Office & Detention Center, N side of Cairo, just E of GA 111, 8 Aug 2001, *R. Kral 91779* (VSC); US 84, 5.5 mi E of Cairo, 10 Oct 2002, *R. Kral 93377* (VSC). **Gwinnett Co.:** Intersection of I-85 and GA 20 at onramp of S bound traffic on 20 heading E on 85, next to Hwy 20, 14 Aug 2004, *Philip Hyatt 11764* (VSC); Mall of Georgia vicinity at Mill Creek Park, N end of park, trailside, 3 Sep 2006, *Philip Hyatt 12070* (VSC); 3 Sep 2006, *Philip Hyatt 12078* (VSC). **Habersham Co.:** US Hwy 441 at GA Hwy 385, NE corner of intersection, 31 Jul 2004, *Philip Hyatt 11744* (VSC). **Hall Co.:** Hog Mountain Rd. and Spout Springs Rd. intersection, 14 Aug 2004, *Philip Hyatt 11760* (VSC); Elachee Nature Preserve (a.k.a. Chipowee Woods), 14 Aug 2004, *Philip Hyatt 11766* (VSC). **Jasper Co.:** Monticello Glades (Chattahoochee-Oconee National Forest parcel 045 050); 4.7 km S of Monticello, bordered by Feldspar Rd. to S State Route 11 to E, 28 Jul 2012, *Sabrina Sewell 594* (VSC). **Lanier Co.:** low, water filled drainage ditches alongside US-129, 0.5 mi N of Stockton, 30 Jul 1965, *Wayne Faircloth 2550* (VSC); Stockton, overgrown edge of lot along railroad and just E of Hwy US 129, 18 Sep 1991, *Richard Carter 9161* (VSC); Bank's Lake National Wildlife Refuge, Hwy GA 122, 2 mi W of Lakeland, 18 Jun 2011, *Bobby Sanderson 737* (VSC). **Liberty Co.:** USGS Hinesville (GA) Quad., 26 Aug 1988, *Richard Carter 7446* (VSC). **Lincoln Co.:** 1.4 mi E of Lincolnton, 1 Sep 1949, *Wilbur Duncan 10164* (VSC). **Lowndes Co.:** 0.5 mi N Valdosta city limits (Inner Perimeter Rd.) by Forrest St., then 1 mi by Mt. Zion Church Rd, 23 Aug 1987, *Richard Carter 6183* (VSC); Moody Air Force Base, vic. Mission Pond, 22 Jul 1994, *Carl Wilson 321* (VSC). **McIntosh Co.:** Darien, bank of Darien River at foot of Screven St, 21 Sep 1991, *Richard Carter 9274* (VSC). **Paulding Co.:** 2.0 mi E of Hwy GA 61, vicinity of Dallas, 13 Sep 1991, *Richard Carter 9112* (VSC); about 15 mi S of Cartersville, 2.2 mi W of Hwy GA 61 by Shoal Creek Rd, 13 Sep 1991, *Richard Carter 9115* (VSC). **Pickens Co.:** pasture along

Ninety Nine Branch 0.8 mi SE of GA 53, along dirt road intersecting HWY GA 53, 5 m W of Gordon-Pickens County line marker, 13 Sep 1991, *Richard Carter 9133* (VSC); just N of and along Hwy GA 5, 0.4 mi SE of jct with Hwy Hwy GA 136 in Talking Rock, 14 Sep 1991, *Richard Carter 9139* (VSC). **Rabun Co.:** SW of Glade, 14 Aug 1949, *Wilbur Duncan 10108* (VSC). **Richmond Co.:** Fort Gordon Military Reservation, Training Area 18, 28 Aug 1991, *Michael Moore 1327* (VSC). **Spalding Co.:** Griffin, University of Georgia Experiment Station, 3 Sep 2013, *Patrick McCullough s.n.* (VSC). **Talbot Co.:** W edge of Talbotton, Hwy 80/41, 30 Aug 1980, *James Manhart 107* (VSC); Talbotton. W ed of town, on Hwy 80, 30 Aug 1980, *John Stutts 609* (VSC). **Thomas Co.:** Thomasville Airforce Base, Thomasville, 6 Oct 1945, *M. Fosberg 185* (VSC); just N of Thomasville city limit, 0.2 mi E of Hwy GA 3 by Pinetree Boulevard, 28 Sep 1991, *Richard Carter 9314* (VSC). **Tift Co.:** Tifton, 2.4 mi NW jct of Hwy US 82 and Carpenter Rd; W of Carpenter Rd, 2 Aug 2001, *Charles Bryson 18999* (VSC). **Towns Co.:** between Young-Harris and Hiawasee, 6.2 mi W of Hiawasee, 14 Sep 1991, *Richard Carter 9152* (VSC). **Union Co.:** 8.1 mi W of new Hwy US 76 in Blairsville; 0.2 mi N of Philadelphia Baptist Church and cemetery and 0.5 mi NW of Old Hwy US 76, 14 Sep 1991, *Richard Carter 9149* (VSC); roughly 14 mi W of Clayton on US Hwy 76 in the vicinity of Turkey Gap, 21 Aug 2004, *Philip Hyatt 11752* (VSC); Unicoi Gap along the Appalachian Trail, 10 Sep 2004, *Philip Hyatt 11770* (VSC). **Upson Co.:** Sprewell Bluff, ca. 0.35 mi ENE of boat ramp, 9 Sep 2007, *Richard Carter 18048* (VSC). **Ware Co.:** ca 0.6 mi W Schlatterville, just W of county line marker on Hwy. US 84, 8 Aug 1988, *Richard Carter 7308* (VSC). **Wheeler Co.:** Mc Rae Vicinity, intersection of US Hwy 280 and 319, 1 Oct 2004, *Philip Hyatt 11794* (VSC). **White Co.:** 2.1 mi N of Helen, 14 Sep 1991, *Richard Carter 9153* (VSC). **ILLINOIS. Johnson Co.:** Cache River bottom, 4.5 mi W of Vienna by Hwy IL 146, 31 Jul 1989, *Richard Carter 7974* (VSC); along Hwy IL 146, 3.5 mi W of Vienna, 31 Jul 1989, *Richard Carter 7979* (VSC). **Madison Co.:** E of Hwy 3 NW of Granite City, 0.9 mi S of Pontoon Rd, 23 Jul 1989, *Richard Carter 7938* (VSC). **Randolph Co.:** W of Hwy IL 4, 1.1 mi N of Sparta, 31 Jul 1989, *Richard Carter 7962* (VSC); Ditch along Hwy IL 3, S of Chester, 0.8 mi N of Turkey Bluff overlook, 31 Jul 1989, *Richard Carter 7969* (VSC). **INDIANA. Monroe Co.:** Right-of-way in Ind. 37, 0.8 mi S of Ind. 46 in W part of Bloomington, 17 Aug 1991, *R. Thomas 124807* (VSC). **KENTUCKY. Daviess Co.:** S side of Hwy US 60 ca 1.8 mi W of Audobon Elementary School, 25 Jul 1993, *Randy Mears 120* (VSC). **Madison Co.:** Fort Boonesborough State Park, SW of jct of KY 627 and the Kentucky River, 19 Sep 1993, *J. Abbott 6340* (VSC). **Marshall Co.:** roadside along highway I-24, 4 mi W of Purchase Parkway, 31 Jul 1989, *Richard Carter 7982* (VSC). **LOUISIANA. Acadia Par.:** 0.5-1.0 mi E of Jct Hwys LA 124 and US 90 in Estherwood, prairie strip along N side of Southern Pacific Railroad, btwn railroad and Hwy US 90, 3 Sep 1992, *Richard Carter 10445* (VSC). **Beauregard Par.:** woods on Joe Bruce' property at end of Guillery Rd N of LA 12 near Cowpen Creek W of Ragley, Sec. 32 T6S R9W, 28 Jun 1992, *R. Thomas 130183* (VSC). **Caddo Par.:** on SWEPCO power line right of way in Walter Jacobs Nature Park, 2.5 mi W and 1.0 mi S of Blanchard, S7 T18N R15W, 19 Jul 1991, *Larry Raymond 1575* (VSC); 19 Jul 1991, *Larry Raymond 1588* (VSC). **Calcasieu Par.:** Chloe, ca. 0.20 mi N of jct of Hwys US 90 and LA3256, 7 Sep 1992, *Richard Carter 10519* (VSC). **East Baton Rouge Par.:** Roadbank and along railroad tracks at Highland Dr E of I-10 at Kleinpeter S of Baton Rouge, S65 T8S R2E, 22 May 1990, *R. Thomas 116791* (VSC); Along the Mississippi River levee W of LA 437 at the Louisiana State University Vet. School, S61 T7S R1W, 14 Jul 1990, *R. Thomas 119449* (VSC). **East Feliciana Par.:** ca 2 mi SE of Clinton by Hwy LA 63, 19 Sep 1993, *Richard Carter 11378* (VSC). **Jackson Par.:** Chatham Lake area at dam beside LA 34 at Chatham, S2 T15N R1W, 23 Jul 1990, *R. Thomas 119560* (VSC). **Jefferson Davis Par.:** prairie strip beside US 165 about 1 mi S of Fenton, 8 Sep 1990, *Charles Allen 17125* (VSC). **Jefferson Par.:** Woods E of LA 45 N of Jean Lafitte National Historical Park and 2.8 mi S of LA 3134 S of Marrero, 15 Jun 1991, *R. Thomas 123832* (VSC). **Livingston Par.:** 1.3 mi N of Bayou Manchac, ditch beside Hwy US 61, 11 Sep 1979, *Richard Carter 2079* (VSC); 11 Sep 1979, *Richard Carter 2082* (VSC); 11 Sep 1979, *Richard Carter 2083* (VSC); 11 Sep 1979, *Richard Carter 2085* (VSC). **Morehouse Par.:** along railroad tracks S of Hayne Avenue and E of Washington St (LA 139) in Bastrop, S24 & S25 T21N R5E, 20 Sep 1990, *R. Thomas 121070* (VSC); N of LA 134 and W of Coulee Wildlife Management Area E of Oak Ridge, S15 T19N R6E, 23 Oct 1991, *R. Thomas 126661* (VSC). **Natchitoches Par.:** Roadbank of Government Road (NP 102) at LA 9 S of Readhimer, S20 T13N R6W, 14 Aug 1989, *R. Thomas 112095* (VSC). **Ouachita Par.:** beside Leonard Rd off Red Cut Loop Road E of Luna, S5 T15N R3E, 9 Sep 1990, *R. Thomas 121036* (VSC). **Plaquemines Par.:** on S side of LA 39, 0.2 mi W of the St. Bernard Parish Lane and 2.1 mi E of Braithwaite, S6 T14S R13E, 15 Jun 1991, *R. Thomas 123767* (VSC). **Pointe Coupee Par.:** on E side of Atchafalaya River off LA 975 just N of US 190 E of Krotz Springs, S12 & S13 T6S R7E, 21 Jul 1990, *R. Thomas 116544* (VSC). **St. Bernard Par.:** E of LA 46 S of Violet and 1.3 mi N of LA 39, S11 T13S R13E, 15 Jun 1991, *R. Thomas 123723* (VSC); 2.7 mi N of Chalmette jct Hwys LA 46 and LA 47, 15 Oct 1993, *Richard Carter 11525* (VSC). **St. James Par.:** E of LA 20 at US 61 in Grammercy, S85 T11S R3E, 22 May 1990, *R. Thomas 117280* (VSC). **St. Mary Par.:** 4 mi S of Jeanerette on LA 182, 10 Sep 1979, *Richard Carter 2077* (VSC). **St. Tammany Par.:** Slidell, 0.84 mi W of jct Hwy US 190E and Interstate 10, 200 m W of jct Hwy US 190E and Possum Hollow Rd, 15 Oct 1993, *Richard Carter 11499* (VSC). **Union Par.:** N of LA 2 in pine woods, 5.3 mi W of Crossroads and LA 143 W of Sterlington, S6 T20N R2E, 29 Sep 1991, *R. Thomas 126019* (VSC); 29 Sep 1991, *R. Thomas 126021* (VSC). **Vermilion Par.:** W of Kaplan, 0.50 mi W of jct Hwys LA 14 and LA 13, 5 Sep 1992, *Richard Carter 10489a* (VSC). **Vernon Par.:** in or near Fullerton Lake

W of LA 399, S4 T1S R4W, 19 Jun 2002, *Charles Allen 18977* (VSC); N of 11th St just E of baseball field & W of stable, S27 T2N R8W, 24 Jul 2002, *Charles Allen 19031* (VSC); W of Wiskey Chitto and E of N-S Rd, S30 T1N R7W, 14 Aug 2002, *Charles Allen 19084* (VSC). **West Baton Rouge Par.:** 2 mi W of Mississippi River Bridge on shoulder of I-10, 10 Sep 1979, *Richard Carter 2078* (VSC). **West Feliciana Par.:** E of US 61 about 2.4 mi S of the Mississippi State Line N of Wakefield, S73 T1S, R2W, 26 May 1990, *R. Thomas 118084* (VSC). **Winn Par.:** beside Saline Creek N of US 84 W of Castor Creek and W of Tullos, S22 T10N R1E, 28 Sep 1990, *R. Thomas 121345* (VSC); along rights-of-way of LA 156 and railroad 2 mi E of Goldonna and just E of Saline Bayou, S28 T12N R3W, 3 Jul 1991, *R. Thomas 124344* (VSC). **MARYLAND. Baltimore Co.:** at the jct of Cromwell Bridge Rd and Glenerm Rd, 24 Aug 1970, *D. Windler 3258* (VSC). **MASSACHUSETTS. Hampshire Co.:** near jct of Sylvester and Ryan Rds, Northhampton, 2 Sep 1977, *H. Ahles 84796A* (VSC). **MISSISSIPPI. Adams Co.:** vicinity of Kingston, ca 2.0 mi NNW of Kingston Methodist Church, 200 m SE of jct Kingston Hwy and Hawes Rd, 20 Sep 1993, *Richard Carter 11398* (VSC). **Alcorn Co.:** NW of Corinth, jct of Hwys US 45 & MS 2, T1S R2E S24, 29 Sep 1993, *Charles Bryson 13078* (VSC). **Amite Co.:** Crosby, vacant lot about 1 block E of Hwy MS 33 and N of Forster Creek, 20 Sep 1993, *Richard Carter 11406* (VSC). **Attala Co.:** ca 3.5 mi SE of Kosciusko along Hwy 19, 10 Aug 1985, *Charles Bryson 4055* (VSC). **Bolivar Co.:** 0.3 mi S Hushpuckena, E of Hwy US 61, T25N R5W S31, 13 Sep 1993, *Charles Bryson 13025* (VSC); SE of Rosedale, ca 1.5 mi SE jct Hwys MS 1 & MS 8, W side of Hwy MS 1, T23N R8W S22, 17 Jun 1996, *Charles Bryson 15342* (VSC). **Choctaw Co.:** 1.4 mi N Ackerman, T17N R11E n/2 S18, W of MS Hwy 15, 5 Oct 1988, *Charles Bryson 8428* (VSC); along Byway Creek, 0.7 mi N jct of MS Hwy 9 and Natchez Trace Pkwy, E of MS Hwy 9, T19N R10E S3, 6 Sep 1990, *Charles Bryson 10371* (VSC); S of Choctaw-Webster Co line along Hwy MS 9, S of Big Black River, S of Eupora, 31 Oct 1991, *Charles Bryson 11148* (VSC). **Claiborne Co.:** ca 9 mi NNW of Port Gibson, E side of Hwy US 61, 30 Sep 2008, *Charles Bryson 22950* (VSC). **Clarke Co.:** Pachuta, near intersection of Hwys MS 18 and MS 11, 28 Aug 1991, *Richard Carter 9086* (VSC). **Clay Co.:** 0.6 mi N of Clay Co. line, on Hwy 389, Intersection of RR, T20N R13E Sec. 20 SE4 and Sec. 21 SW4, 5 Sep 1987, *John Duncan 210* (VSC); West Point, W of Hwy US 45 Alt at site of old livestock sales barn to N of Fisher Marine Boat Co., 9 Aug 1994, *Charles Bryson 14165* (VSC). **Coahoma Co.:** 2.1 mi N jct Hwys US 49 & 61 and E of US 61, E of Lula, T30N R3W S25 NE/4, 13 Sep 1993, *Charles Bryson 12996* (VSC). **Copiah Co.:** jct Hwys MS 12 & US 51, 8 Oct 1993, *John Byrd s.n.* (VSC). **Covington Co.:** 1/2 mi S of Collins and 1/2 mi E of Hwy US 49 on county road, 12 Sep 1979, *Richard Carter 2160* (VSC); just S of Mt. Olive, along Hwy US 49, 26 Aug 1991, *Richard Carter 9024* (VSC). **DeSoto Co.:** Walls, W of Hwy US 61, T1S R9W S33, 20 Oct 1992, *Charles Bryson 12082* (VSC); Horn Lake, 1.2 mi W jct Hwys I-55 & MS 302; N of MS 302, T1S R8W S35, 13 Sep 1993, *Charles Bryson 13010* (VSC); Olive branch, City Park, S of Goodman Rd (=hwy MS 302), T1S R6W S33, 7 Oct 1993, *Charles Bryson 13110* (VSC-3); 500 yds NW jct Robertson Rd & Wheeler Rd, 30 Aug 1994, *John Byrd s.n.* (VSC). **George Co.:** E Lucedale, 2.3 mi E jct Hwys MS 26 & 63, 1.8 mi S jct Hwys US 98 & MS 63, T1S R6W s/2 Sec 26, 17 Sep 1991, *Charles Bryson 11079* (VSC). **Grenada Co.:** ca 5 mi SW of Holcomb, (T21N R2E S12 NE), Loess Bluffs-Delta transition area, 18 Sep 1987, *M. Morris 3049* (VSC); 3.9 mi W jct MS Hwys 8 & 32, Oxberry, N of MS Hwy 8, 14 Sep 1990, *Charles Bryson 10424* (VSC); Camp McCain, grounds around Headquarters Building, "Cantonment" area, T21N R6E S7 SW4, 22 Aug 1994, *John MacDonald 7475* (VSC). **Hancock Co.:** SE of Napoleon, E of jct of Hwy I-10 & MS 607, T8S R16W S26 or S27, 9 Aug 1993, *Charles Bryson 12609* (VSC). **Harrison Co.:** 1 block N of main intersection in Cuevas, 11 Sep 1979, *Richard Carter 2106* (VSC); 4 mi N of Gulf of Mexico on Hwy US 49, 12 Sep 1979, *Richard Carter 2121* (VSC); 12 Sep 1979, *Richard Carter 2122* (VSC); just S of Wollmarket, at interchange of Hwys US I-10 & MS 67, 27 Aug 1991, *Richard Carter 9051* (VSC); N Biloxi, jct Hwys I-10 & MS 67 (at exit 41 on I-10), 16 Sep 1991, *Charles Bryson 11023* (VSC). **Itawamba Co.:** 1.6 mi N Dorsey at Dorsey/Fawn Grove exit with new (4-lane) hwy US 78, T9S R7E S25, 26 Aug 1993, *Charles Bryson 12785* (VSC). **Jackson Co.:** Ocean Springs, recently distrubed vacant lot just NW of corner of Hwy US 90 and Washington, 27 Aug 1991, *Richard Carter 9072* (VSC); Moss Point, ditch along W side of Hwy MS 63 between Fredrick St and Dr. Martin Luther King Dr, ca 0.7 mi S of Escatawpa River bridge, 16 Sep 1993, *Richard Carter 11317* (VSC). **Jasper Co.:** Tallahala Wildlife Mngmt Area, ca 2 mi S of Randall Hill Cemetary, T4N R10E S24 SW4, 8 Sep 1988, *Daniel Carraway 355* (VSC). **Jefferson Davis Co.:** S of Prentiss, jct of Hwys US 84/MS 13 & MS 42, T7N R19W S11 NE/4, 12 Aug 1993, *Charles Bryson 12706* (VSC). **Jones Co.:** ca 1 mi E of Sandersville on roadside, Sect. 32, 29 Sep 1978, *David Morgan 1301* (VSC); ca 4 mi ENE of Sandersville in low area beside road, NW4 Sect. 28, 29 Sep 1978, *David Morgan 1323a* (VSC); 5.5 mi ENE of Laurel on roadside, Sect. 20, 30 Sep 1978, *David Morgan 1353* (VSC); field beside railroad in Sandersville, SE4 Sect. 31, 6 Oct 1978, *David Morgan 1399* (VSC); 1 mi S of Sandersville in dumping area, Sect. 8, 6 Oct 1978, *David Morgan 1412* (VSC); open distrubed area near I-59 and Hwy 84 intersection, SE4 Sect. 32, 7 Oct 1978, *David Morgan 1461* (VSC). **Lafayette Co.:** Puskus Lake, Holly Springs National Forest, T7S R1W S30 SW/4 SW/4, 29 Sep 1993, *Charles Bryson 13056* (VSC). **Lauderdale Co.:** by I-20, 2.5 mi E of jct Exit 165, 7.1 mi E of Russell, 10 Sep 2002, *R. Kral 93243* (VSC). **Lee Co.:** SW part of Tupelo, Michael Circle, 20 Jul 1985, *Charles Bryson 4028* (VSC); 21 Jul 1985, *Charles Bryson 4036* (VSC). **Leflore Co.:** NW of Sidon, between Sidon cutt-off and old Yazoo River run, T18N R1E Sect. 19 MSEA Project Area, 14 May 1999, *Charles Bryson 17137* (VSC). **Lowndes Co.:** Aliceville Lake, ca 10 mi S Columbus, T20S R18E

NW1/4 Sec. 11, 5 Jul 1986, *Charles Bryson 4438* (VSC); at bridge crossing Buttahatchee River along Hwy 45, just S of Monroe Co. & N of Columbus, 8 Sep 1994, *John MacDonald 7626* (VSC). **Madison Co.:** just SW of Flora, 0.1 mi S of jct of Hwys US 49 and MS 22, slope along Hwy US 49, 22 Aug 1991, *Richard Carter 8953* (VSC); Madison, ca 0.5 mi W of jct Hwy I-55 and MS 463 and N of Hwy MS 463, 1 Oct 2004, *Charles Bryson 20374* (VSC). **Marion Co.:** 1.4 mi N jct of Hwys MS 13 & 43, W of MS 13, 0.6 mi S of Dillon Creek, 29 Jul 1994, *Charles Bryson 14051* (VSC). **Marshall Co.:** NW of Holly Springs, jct of Hwys MS 7 & 311, 30 Aug 1994, *John Byrd s.n.* (VSC). **Monroe Co.:** vicinity of Aberdeen, E bank of Tenn./Tombigbee Waterway, 4 Sep 1994, *John MacDonald 7595* (VSC). **Montgomery Co.:** 0.5 mi N of US Hwy 82, T19N R6E Sec. 27 NW/4 of NW/4, 6 Sep 1990, *Charles Bryson 10338* (VSC); E of Kilmichael, 1.2 mi E jct US Hwy 82 & MS Hwy 413, N of US Hwy 82, T18N R7E Sec. 10, 6 Sep 1990, *Charles Bryson 10352* (VSC); Winona, along Illinois Central RR just S Liberty St along RR, 31 Oct 1991, *Charles Bryson 11167* (VSC). **Newton Co.:** 2.8 mi E Newton, T16N R12E Sec. 30, S of US Hwy 80, E of Riser Creek, 9 Aug 1986, *Charles Bryson 4740* (VSC); 9 Aug 1986, *Charles Bryson 4742* (VSC). **Oktibbeha Co.:** ca 9.4 mi W of Starkville, N of US Hwy 82, T19N R12E, NE1/4 Sec. 24, 27 Aug 1987, *Charles Bryson 7017* (VSC); ca 3.2 mi SW of Starkville along Hwy 12, T18N R13E, S23 NE1/4 E1/2, 19 Jul 1988, *Daniel Carraway 179* (VSC). **Panola Co.:** just N Askew, 0.7 mi S Panola-Tanica Co. line, ca 4 mi S jct Hwys MS 3 & 4, T6S R9W, E/2 E/2 Sec. 19, 12 Sep 1991, *Charles Bryson 10908* (VSC); just SE jct Hwys MS 6 & 315, T9S R6W SE/4 SE/4 Sec. 2, 12 Sep 1991, *Charles Bryson 10955* (VSC); 3.5 mi W of jct Hwy US 51 & MS 6, T28N R3E S14 SW/4 of SE/4, 24 Aug 1993, *Charles Bryson 12720* (VSC); E of Como, just SE of Hwys i-55 & MS 310, T6S R7W S3 NE/4, 24 Aug 1993, *Charles Bryson 12724* (VSC). **Pearl River Co.:** 2.5 mi N of Carriere, 26 Aug 1991, *Richard Carter 9003* (VSC). **Perry Co.:** New Augusta, NW jct Hwys US 98 & MS 29, between US 98 and RR, 17 Sep 1991, *Charles Bryson 11116* (VSC); Richton, 1.1 mi S of jct of Hwys MS 15 & 42, in front of Perry County Multi-purpose Bldg., 7 Sep 1994, *Charles Bryson 14319* (VSC); New Augusta, NE of jct of Hwys US 98 & MS 29, 7 Sep 1994, *Charles Bryson 14338* (VSC). **Pike Co.:** Percy Quinn State Park, SE of dam of Percy Quinn Lake, T3N R7E S32 SE/4, 28 Sep 1994, *Charles Bryson 14467* (VSC). **Pontotoc Co.:** W of Pontotoc, 6.3 mi W of jct Hwys MS 6 & 15, T9S R2E S28, 24 Aug 1993, *Charles Bryson 12754* (VSC). **Scott Co.:** Roosevelt State Park, NE of lake, T6N R6E NW1/4 Sec. 34, 16 Aug 1987, *Charles Bryson 6925* (VSC). **Sharkey Co.:** ca 12 mi SSE of Rolling Fork, Delta National Forest, T10 R6W E1/2 Sec. 3, 4 Sep 1987, *Charles Bryson 7074* (VSC); 4 Sep 1987, *Charles Bryson 7075* (VSC). **Simpson Co.:** vicinity of D'Lo, 26 Aug 1991, *Richard Carter 9033* (VSC); near Mendenhall, 1 Oct 1993, *Perry Lee s.n.* (VSC). **Stone Co.:** SW Wiggins, 0.4 mi S jct Hwys US 49 & MS 26, W of US 49, T2S R12W Sec. 25, 16 Sep 1991, *Charles Bryson 10984* (VSC). **Tate Co.:** 3.1 mi S jct Hwys US 51 & MS306 S of Coldwater, T5S R7W Sec. 13, 12 Sep 1991, *Charles Bryson 10931A* (VSC); Senatobia, 0.8 mi N jct of Hwys US 51 & MS 4, W of US 51, T5S R7W S30, 7 Oct 1993, *Charles Bryson 13098A* (VSC). **Tippah Co.:** Ripley, W of Hwy MS 15, T4S R3E S23, 29 Sep 1993, *Charles Bryson 13072* (VSC). **Tunica Co.:** 0.3 mi N Tunica-Panola Co. line, ca 3.2 mi S jct Hwys MS 3 & 4, 1.2 mi S Sarah, T6S R10W NE/4 NE/4 Sec. 24, 12 Sep 1991, *Charles Bryson 10920* (VSC); Tunica, SW of jct Hwy US 61 & MS 4 (in town), 13 Sep 1993, *Charles Bryson 12994* (VSC). **Union Co.:** New Albany, jct hwy US 78 & MS 15, T7S R3E S17 SE/4, 29 Sep 1993, *Charles Bryson 13057* (VSC). **Walthall Co.:** N of Tylertown, 0.7 mi E jct of Hwys US 98 & MS 27, T12N R11E S19, 29 Jul 1994, *Charles Bryson 14082* (VSC). **Warren Co.:** S of Redwood, 0.8 mi S of jct Hwys US 61 & MS 3, along US 61, 29 Oct 1993, *Charles Bryson 13283* (VSC). **Washington Co.:** Greenville, ca 2 mi S jct of Hwy US 81 & MS 1, T18N R8W Sec. 34 NE/4, 27 Sep 2004, *Charles Bryson 20347* (VSC). **Wayne Co.:** Waynesboro, NE jct Hwy MS 63 & Chickasawhay River, T8N R7W S23 SW/4, 1 Sep 1993, *Charles Bryson 12922* (VSC). **Webster Co.:** Mathiston, just W jct MS 15 & US 82 SE4 S2 (19N2E), 6 Aug 1986, *Sidney McDaniel 28908* (VSC); 0.5 mi W Mathiston, intersection of US Hwy 82 and Natchez Trace Parkway, 25 Jul 1987, *Charles Bryson 6652* (VSC); Mathiston, 0.3 mi N jct Hwys US 82 & MS 15, E of Horton St across from Wood Community College, 31 Oct 1991, *Charles Bryson 11139* (VSC); Eupora, vacant lot N Factory Rd between Gould Ave. and Hwy MS 9, 31 Oct 1991, *Charles Bryson 11162* (VSC). **Wilkinson Co.:** N of Woodville, 0.5 mi N jct Hwys US 61 & MS 563, T2N R2W S12 SW/4, 29 Sep 1994, *Charles Bryson 14497* (VSC). **Winston Co.:** Noxubee Crest Natural Area, Tombigbee National Forest, T16N R12E S31, 14 Aug 1992, *Allen Moore 695* (VSC). **Yalobusha Co.:** Just N Oakland, SE jct Hwys US 51 & MS 32, 12 Sep 1991, *Charles Bryson 10964* (VSC); Holly Springs Forest Service Recreational Area, Tillatoba Lake, T24N R5E S6 E/2, S side of lake, 1 Aug 1993, *Charles Bryson 12528* (VSC); 1.5 mi S jct of Hwys MS 7 & 32, SW of Water Valley, 1 Aug 1994, *Charles Bryson 14121* (VSC); ca. 5 mi SSW of Water Valley, NW community of Velma, E side of Hwy MS 7, T25N R6E Sec. 3 N/2, 17 Aug 2002, *Charles Bryson 19603* (VSC). **Yazoo Co.:** Benton, ditch and slope by Hwy US 49 (new) at junction with Hwy MS 433, 22 Aug 1991, *Richard Carter 8960* (VSC). **MISSOURI. Boone Co.:** University of Missouri Bradford Farms, ca 6-7 mi E of Columbia, near inter. of S Rangeline and Vermer's Ford Rd, T 48N R12W NE1/4 of the NE1/4 of the SE 1/4 of Sec. 36, 11 Sep 1993, *Paul McKenzie 1296* (VSC); 9 Oct 1993, *Paul McKenzie 1311* (VSC). **Dunklin Co.:** Campbell, jct of Hwys 53 & 62, 20 Aug 1991, *Richard Carter 8931* (VSC). **New Madrid Co.:** just W of jct i-55 and MO Hwy 80, N of MO Hwy 80, T25N R14E Sec. 34 SW/4, 27 Sep 1990, *Charles Bryson 10515* (VSC); ca 100-200 m S of the inter. of W end of Des Cyprie Slough and Sections 13/18 and Ranges 13E/14E border, 7 Sep 1993, *Paul McKenzie 1277* (VSC). **Perry Co.:** along Mississippi River, 1.1 mi E of intersection of state routes C & E,

and end of County Rd 220, 9 Jul 1989, *Richard Carter 7916* (VSC). **Saint Charles Co.:** along and S of Hwy US 67, just W of Alton bridge and old lock & dam, 23 Jul 1989, *Richard Carter 7950* (VSC). **Saint Louis Co.:** Bank of Meramec River, vicinity of boat launch in Castlewood State Park, 10 Sep 1989, *Richard Carter 8283* (VSC-2). **Scott Co.:** NW jct I-55 and US Hwy 62 and between Sikeston Inn & I-55, 25 Sep 1990, *Charles Bryson 10449* (VSC); 2.5 mi E jct Co. Rds C & H, S of Co. Rd C, T27N R14E Sec. 6 N/2, 26 Sep 1990, *Charles Bryson 10488* (VSC); at jct of Hwys US I-55 and MO 77, just E of Lambert/Benton, 20 Aug 1991, *Richard Carter 8917* (VSC). **NEW YORK. Putnam Co.:** town of Patterson, edge of "The Great Swamp," on E side of railroad, 100-300 m NE of railroad station, 29 Jul 1989, *G. Tucker 4700* (VSC). **NORTH CAROLINA. Cherokee Co.:** 4.2 mi SW of Murphy, in median of US Hwy 64, 26 Jul 1987, *Charles Bryson 6709* (VSC). **Graham Co.:** 2.4 mi N Tipton, E side of NC Hwy 129, 30 Jul 1987, *Charles Bryson 6861* (VSC). **Nash Co.:** W of Nashville, 24 Sep 1981, *Richard Carter 2933* (VSC); Roadside and edge of woods in creek bottom, 2.2 mi N of Nashville by Hwy 1004, 24 Sep 1981, *Richard Carter 2937* (VSC). **Wake Co.:** along Neuse River at Co. Rt 1900 bridge, 21 Aug 1972, *S. Leonard 5530* (VSC). **OHIO. Portage Co.:** along Linclon St between East School and Summitt Streets, Kent, Franklin Township, 19 Sep 1966, *Allison Cusick 3213* (VSC). **PENNSYLVANIA. Fulton Co.:** on alluvium of Licking Creek just N of Harrisonville, 25 Aug 1959, *W. Westerfeld 20860* (VSC). **SOUTH CAROLINA. Abbeville Co.:** Town of Due West, 27 Sep 1963, *W. Ellison 6392704* (VSC); N section of Due West near and alongside drainage of seepage "stream" on abandoned farmland, 18 Oct 1963, *W. Ellison 10631807* (VSC). **Florence Co.:** Lynchess River State Park, 15 Sep 1977, *L. Swails s.n.* (VSC). **Greenwood Co.:** Aluvial Woods, Coronaca Creek, near US 221, 5 mi NE of Greenwood, 7 Jul 1957, *A. Radford 26643* (VSC). **Orangeburg Co.:** frequent on wet roadside ditch of US 21 on E side of small flooded Carolina bay, midway between Rowesville and Branchville, 10 Sep 1991, *John Nelson 11203* (VSC-2). **Richland Co.:** edge of ditch along NE side of Beauregard St, NW of Sumter St, 16 Jul 1991, *John Nelson 10753* (VSC). **TENNESSEE. Bedford Co.:** by I-24, ca 14 mi NW Manchester, 11 Sep 1974, *R. Kral 54147* (VSC). **Davidson Co.:** shoulder of I-40 though oak-hickory woods, 2.6 mi, 23 Sep 1995, *R. Kral 85695* (VSC). **Hardeman Co.:** Hickory Valley, W of Hwy TN 18, just S of P.O. Open roadside ditch, 28 Sep 1993, *Charles Bryson 13046* (VSC). **Hickman Co.:** ca 16 mi N Hehenwald, 30 Sep 1970, *R. Kral 41342* (VSC). **Lewis Co.:** ca 5 mi N Hehenwald, 30 Sep 1970, *R. Kral 41334* (VSC); 6 mi S of intersx of Hwy 64 and Natchez Trace and 1/4 mi S of Trace at Glenrock Church, 20 Aug 1982, *Richard Carter 3362* (VSC). **Maury Co.:** NE side Columbia by TN 99, 27 Aug 1973, *R. Kral 51486* (VSC). **Shelby Co.:** Memphis, vacant lot E of Hwy I-240, N of Popular Ave, 20 Oct 1992, *Charles Bryson 12089* (VSC); Memphis, between Perkins Dr. and Mall of Memphis, 13 Sep 1993, *Charles Bryson 13016* (VSC); 13 Sep 1993, *Charles Bryson 13024* (VSC). **Unicoi Co.:** Alongside Hwy US 23, 10 Sep 1976, *Mary Norsworthy 422* (VSC). **TEXAS. Chambers Co.:** 15.6 mi S of intersection in Dayton of Hwys US 90 & TX 146, 27 Aug 1980, *Richard Carter 2570* (VSC); South of CO RD 562, 3.5 km W of its intersection with CO RD 1985, more or less S of the town of Double Bayou, 1 Jul 2010, *D. Rosen 5019* (VSC). **Cherokee Co.:** Ditch along Hwy US 84, 2.6 mi W of Reklaw, 17 Aug 1989, *Richard Carter 8239* (VSC). **Colorado Co.:** Attwater Prairie Chicken NWR, 1.0 airmi NW (heading 303.48W) of refuge headquarters, 29 Jul 2012, *Richard Carter 20601* (VSC). **Hardin Co.:** Roy E. Larsen Sandyland Sanctuary, on and N of State Hwy 327, between the towns of Sillsbee and Kountze, 8 Oct 2006, *D. Rosen 3948* (VSC). **Houston Co.:** 150 m SE on Davy Crockett (NF) Rd 533 from its jct with TX 7, SW on Kennard, 25 Aug 1991, *S. Jones 7396* (VSC); 1.35 mi SE on Davy Crockett (NF) Rd 533 from its jct with TX 7, then NE (left) 0.5 mi on an un-named dirt road, 25 Aug 1991, *S. Jones 7404* (VSC). **Jefferson Co.:** along access road at exit from I-10, 0.1-0.2 mi SW of F.M. 365, ca 1 mi WNW of Fannett, 9 Sep 1992, *W. Carr 12302* (VSC); N roadside of Hwy 87, 2.4 mi W of the town of Sabine Pass and S of Port Arthur, 16 Aug 2002, *D. Rosen 2251* (VSC). **Montgomery Co.:** about 1 mi S of Conroe along I-45, on interstate right of way, 23 Aug 1980, *Richard Carter 2502* (VSC). **Newton Co.:** off Texas 63 ca 1/2 mi W of the Sabine River and ca 12 mi E of Burkeville, 30 Jun 2007, *Charles Allen 20186* (VSC); N of Texas 12 ca 1/4 mi E of jct with Texas 87 in Deweyville, 2 Nov 2007, *Charles Allen 20584* (VSC); S of Texas 12 ca 1.7 mi W of Deweyville, 2 Nov 2007, *Charles Allen 20592* (VSC); Texas F.M. 692 ca 4 mi S of Toledo Village, 12 Nov 2007, *Charles Allen 20693* (VSC); Caney Creek Park S of US 190 in Newton, 30 Oct 2008, *Charles Allen 21094* (VSC); 30 Oct 2008, *Charles Allen 21105* (VSC); 30 Oct 2008, *Charles Allen 21101A* (VSC); Jesse Lee Prk off Texas 363 E of Bleakville, 4 Sep 2009, *Charles Allen 21667* (VSC); off Texas 63 ca 9 mi E of Burkeville, 9 Oct 2009, *Charles Allen 21721* (VSC); off Texas 363 ca 6.8 mi SW of Bon Weir, 25 Jun 2010, *Charles Allen 21972* (VSC); off Texas 63 ca 7.6 mi E of Burkeville, 17 Jul 2010, *Charles Allen 22030* (VSC); off Texas 87 north edge of Newton, just north of In with hwy 2626, 26 May 2012, *Charles Allen 22545* (VSC). **Panola Co.:** 3.5 mi S on TX 31 from its jct with FR 2517, S of DeBerry, then 0.5 mi W on county road 446, 10 Jul 1990, *Stanley Jones 7210* (VSC). **San Jacinto Co.:** roadside ditch N of Hwy 150, 1.4 mi W of its intersection with Hwy 59, W of the town of Shepherd, 11 Sep 2003, *D. Rosen 2628* (VSC). **Smith Co.:** S side of I-20 1 mi W of exit 552 (F.M. road 849), 4 mi W of US 69 W of Tyler, 15 Aug 1990, *R. Thomas 120550* (VSC). **Van Zandt Co.:** along Hwy US I-10, 11.3 mi W of jct with Hwy TX 110 at Van, 22 Jul 1987, *Richard Carter 6005* (VSC). **VIRGINIA. Chesterfield Co.:** S of city of Richmond, W of Harrowgate Road (SR 144), 3 mi S of its intersection with Hwy 10, 15 Oct 2003, *D. Rosen 2658* (VSC).

Chapter IV

A MORPHOMETRIC ANALYSIS OF A PUTATIVE NEW *ELEOCHARIS* FROM THE HIGHMARSH OF CAMDEN COUNTY

INTRODUCTION

During a 1996 survey of Kings Bay Submarine Base in Camden County, Georgia, Richard Carter discovered an unusual *Eleocharis* resembling *Eleocharis albida* (Carter, 2015). *Eleocharis albida* grows on the edges of saltmarshes in coastal regions of the southeastern United States (Figure 1). This plant also showed apparent morphological divergence; they were taller and more slender, causing them to lean, lacking the erect habit of *E. albida* (Smith, González-Elizondo & Menapace, 2002; Svenson, 1937). Carter also noted that the spikelets were narrower and the achenes differed: the tubercle of *E. albida* is generally small and pyramidal while this specimen's tubercle is tiny and shriveled. The bristles were also notably longer as compared to the achene. These two populations are highly restricted, but the coastal plain is a known narrow endemic hot spot (Noss, Platt, Sorrie, Weakley, Means, Costanza & Peet, 2015). Since its discovery, Carter has referred to it by the working name "angusticeps" because of its narrower spike, achene and tubercle. This species is currently included in Weakley's treatment of the southeastern flora under "Eleocharis species 1" (Weakley 2015).

I analyzed specimens of this putative new plant as well as specimens of *E. albida* at Louisiana State University (LSU), University of Georgia (GA), and Valdosta State University (VSC) herbaria. To further elucidate the relationship of these plants and *E. albida*, I conducted a morphometric analysis using statistical methodology to identify characteristics of this putative new species.

MATERIALS AND METHODS

We examined 94 specimens, 79 *E. albida* and 15 putative new species, from the Louisiana State University (LSU), University of Georgia (GA), and Valdosta State University (VSC) herbaria. A preliminary study of the literature and specimens identified 16 possibly informative morphological variables (Table 1) for analysis. These variables and the label data were recorded into an Excel spreadsheet. All were continuous apart from TUBSP and ACHCOL. The resulting data were subjected to principal component analysis (PCA), discriminate analysis (DA) and a Euclidean distance dendrogram based on diagnostic characteristics (CULML, BRIL/(TUBL+ACHL) and SPKLTW) in Minitab© 17. The eigenvectors were used to determine the most important variables.

Electron micrographs were also made using a JEOL JSM-6480LV scanning electron microscope. Representative achenes were harvested from specimens and mounted to aluminum stubs with carbon paint. The stubs were then imaged on low magnification (x30-80) using a secondary electron detector. These images were then edited for contrast.

RESULTS

Results of PCA (Table 2 and Figure 2, 3 and 4) and dendrogram (Figure 5) support the recognition of our putative new species as distinct from *E. albida* based on *a priori* determinations. The eigenvalues (Table 2) closely correlated with Carter's initial observations of the putative new plant indicating that CULML, SPKLTW, TUBW and BRIL/(TUBL+ACHL) (Figure 6) are the most impactful variables when distinguishing between the two groups. Principal component (PC) 1 and 2 comprised 38.1% of the total variance seen in the specimens. Of the two, PC1 made up almost all the interspecific variation with PC2 mainly informed by SPKLTW, SHTHL, CULMW and SCALW (Figure 7). These variables showed both wide variance within their groups and significant overlap between groups. The

discriminant analysis and dendrogram concurred with our PCA results showing a large disparity between the groups in the variables emphasized in PC1.

DISCUSSION

The most evident diagnostic characteristics of our putative new species correspond to the initial field observations. The long slender habit, plant height, and narrow spikelet width are good diagnostic characters and the long bristles, as compared to the achene, were much more common in *E. angusticeps* than *E. albida*. When all these components are plotted against each other, the *E. angusticeps* specimens form a distinct cluster (Figure 8) differentiated from *E. albida*. The dendrogram (Figure 5) also grouped the specimens of the putative new species apart from *E. albida*.

The statistical analysis supports recognition of *E. angusticeps* as a separate species. The PCA score plot (Figure 2) shows the two groups forming distinct clusters. CULML and the width of features of the spikelet were the most significant in PC1 (Figure 6), agreeing with the observation by R. Carter that *E. angusticeps* culms are, on average, longer than *E. albida* but thinner, which leads to the notable “leaning” habit characteristic of the plant, while *E. albida* is more or less erect. The variables that informed PC2 show a broad degree of intraspecific variation within *E. albida* with only SHTHL having some small difference due to covariance with CULML. Though the *E. albida* cluster has a few outliers, none of them closely affiliate with the cluster of the putative new species. Some of the outlier *E. albida* specimens shared abnormally long culms. These make up a distinct cluster in Figure 4 but share no other affiliating characteristics with the putative new species. These specimens also fail to group with the putative new species in the dendrogram (Figure 5).

TAXONOMIC TREATMENT AND KEY

Eleocharis angusticeps R. Carter and P.D. Lowe, sp. nov.—Type: **U.S.A. GEORGIA. Camden Co.:** Kings Bay Submarine Base, upper reaches of North River estuary (30°48'02"N, 81°32'04"W), 29 Aug 1996, R. Carter 13617 (HOLOTYPE: BRIT!; ISOTYPES: FSU!, GA!, VSC!).

PARATYPES: **U.S.A. GEORGIA. Camden Co.:** Kings Bay Submarine Base, fill site N of N end of dock and across Kings Bay from N end of Crab Island, USGS Harrietts Bluff Quad. (30°48'47"N, 81°31'46"W), 9 Jul 1996, *R. Carter 13182 (VSC-4)*; Kings Bay Submarine Base, 0.75 mi W of jct. USS Henry L. Stimson Dr. and USS James Monroe Ave, along north side USS Henry L. Stimson Dr. (30.8007N, 81.53245W), 23 Aug 1996, *R. Carter 13589 (VSC-5)*.

Plants perennial. Rhizomes soft, long internodes 2-4 cm, cortex loose, scales membranous and translucent. Culms terete, 30-40 cm × (0.4-) 0.5-0.6 (-0.7) mm, lax. Leaves 2, reduced to sheaths, proximally brown to red-brown, distally stramineous to green. Spikelets cylindric to lanceoloid, obtuse, at least proximal 2 or 3 (or 4) scales empty, (6.1-) 6.7-8.1 (-9.8) × (1.5-) 1.9-2.4 mm; floral scales appressed, broadly ovate, apex rounded, (1.7-) 1.8-2 × (0.4-) 0.5-0.6 (-0.7) mm. Perianth bristles 6, straight, trap shaped, retrorsely spinulose, (1.1-) 1.3-1.6 (-2) mm, exceeding the achene, green. Achene biconvex, (0.7-) (0.8-0.95) (not including tubercle) × 0.5-0.7 (-0.8) mm, broadly elliptic, rarely obovate, base attenuate, apex acuminate, surface smooth to sparsely punctate, ochre to black; tubercle dorsoventrally compressed, pyramidal to oblong, triangular when viewed distally, withered, (0.15-) 0.2-0.25 (-0.35) × 0.15-0.21 (-0.3) mm, green.

Diagnosis.-The culm of *E. angusticeps* is a longer and more slender than that of *E. albida*, and reclining. The spikelets of *E. angusticeps* are lanceoloid as opposed to ovoid in *E. albida*. *Eleocharis angusticeps* achenes are narrower than in *E. albida* and lack the well-developed pyramidal tubercle of *E. albida*, instead having a small, withered tubercle. The bristles of *E. angusticeps* are often nearly twice as long as the achene tubercle complex while in *E. albida* they never exceed the tubercle.

Habitat-*E. angusticeps* occurs at the upper reaches of tidal creeks in areas only influenced by the most extreme high tides. This plant has only been found in Camden County, Georgia, and is a very narrow endemic.

Etymology-The specific epithet *angusticeps* refers to the narrow spikelets and tubercles.

Key to *Eleocharis angusticeps*

1. Plants 30-40 cm tall, culm lax, spikelets 1.6-2.3 mm wide, bristles 1.2-1.7 (-2) × length of achene tubercle complex..... *E. angusticeps*
.....
2. Plants 15-24 (-28) cm tall, culm erect, spikelets (2.3-) 2.4-3.2 (-3.7) mm wide, bristles (0.8-) 1-1.1 (-1.2) × length of achene tubercle complex..... *E. albida*

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Tables and Figures

TABLE 1. List of characters used in analysis.

CULML	Length of longest culm (cm)
CULMW	Width of widest culm at mid-culm (mm)
SHTHL	Sheath length (mm)
SPKLTl	Length of longest spikelet length (mm)
SPKLTW	Spikelet width (mm)
SCLL	Scale length (mm)
SCLW	Scale width (mm)
ANTHL	Anther length (mm)
ACHL	Achene length (mm)
ACHW	Achene width (mm)
ACHMX	Achene length from base to point of max width (mm)
TUBL	Tubercle length (mm)
TUBW	Tubercle width (mm)
BRIL	Bristle length (mm)
TUBSP	Tubercle shape
ACHCOL	Achene color
ACHMX/ACHL	Percentage of achene length below point of max width
SPKLTl/SPKLTW	Spikelet length to width ratio
BRSL/(ACHL+TUBL)	Ratio of bristle length to length of achene and tubercle
ACHL/ACHW	Achene length to width ratio

TABLE 2. Results of PCA. See Table 1 for character abbreviations.

Eigenvalue	3.603855	2.04617	1.513237	1.114415	0.980787	0.922826
Proportion	0.257418	0.146155	0.108088	0.079601	0.070056	0.065916
Cumulative	0.257418	0.403573	0.511662	0.591263	0.661319	0.727235
	PC1	PC2	PC3	PC4	PC5	PC6
CLML	-0.38031	-0.3581	0.152396	0.00038	0.07457	0.065135
CLMW	0.264352	-0.29637	0.142821	0.357905	-0.34404	-0.09875
SHTHL	-0.2108	-0.47181	0.233565	0.041406	0.155602	0.321479
SPKLT	0.092676	-0.47077	-0.06043	-0.17951	0.148967	-0.43389
SPKLTW	0.393322	-0.13892	-0.10724	0.170915	-0.14231	-0.29055
SCLL	0.251073	-0.22476	-0.19027	-0.04533	0.523672	0.349328
SCLW	0.281588	-0.27533	-0.26575	0.04543	0.125267	-0.07116
ANTHL	0.225418	-0.178	-0.28601	-0.53984	-0.22292	0.133563
ACHL	0.167557	-0.07159	0.496979	0.163385	0.361592	-0.26899
ACHW	0.315763	0.16689	0.242498	0.311519	0.052649	0.264611
ACHWL/ACHL	-0.07069	0.25053	-0.4341	0.256321	0.448944	-0.30089
TUBL	0.056275	0.159592	0.411088	-0.50458	0.103114	-0.38362
TUBW	0.392656	0.059764	0.117063	-0.03904	-0.17283	0.157271
BRIL/(TUBL+ACHL)	-0.30738	-0.19393	-0.1453	0.260091	-0.30697	-0.24543

TABLE 3. Discriminate function for groups in DA. See Table 1 for character abbreviations.

	<i>E. albida</i>	<i>E. angusticeps</i>
Constant	-327.00	-332.35
CULML	1.43	1.81
CULMW	22.64	25.94
SHTHL	1.75	0.85
SPKLTl	-2.04	-1.49
SPKLTW	4.59	-6.28
SCLL	21.06	20.49
SCLW	35.93	47.69
ANTHL	46.75	45.14
ACHL	106.13	115.50
ACHW	77.49	62.67
ACHHWL/ACHL	377.57	373.15
TUBL	113.05	131.96
TUBW	114.50	72.92
BRIL/(TUBL+ACHL)	44.32	62.14

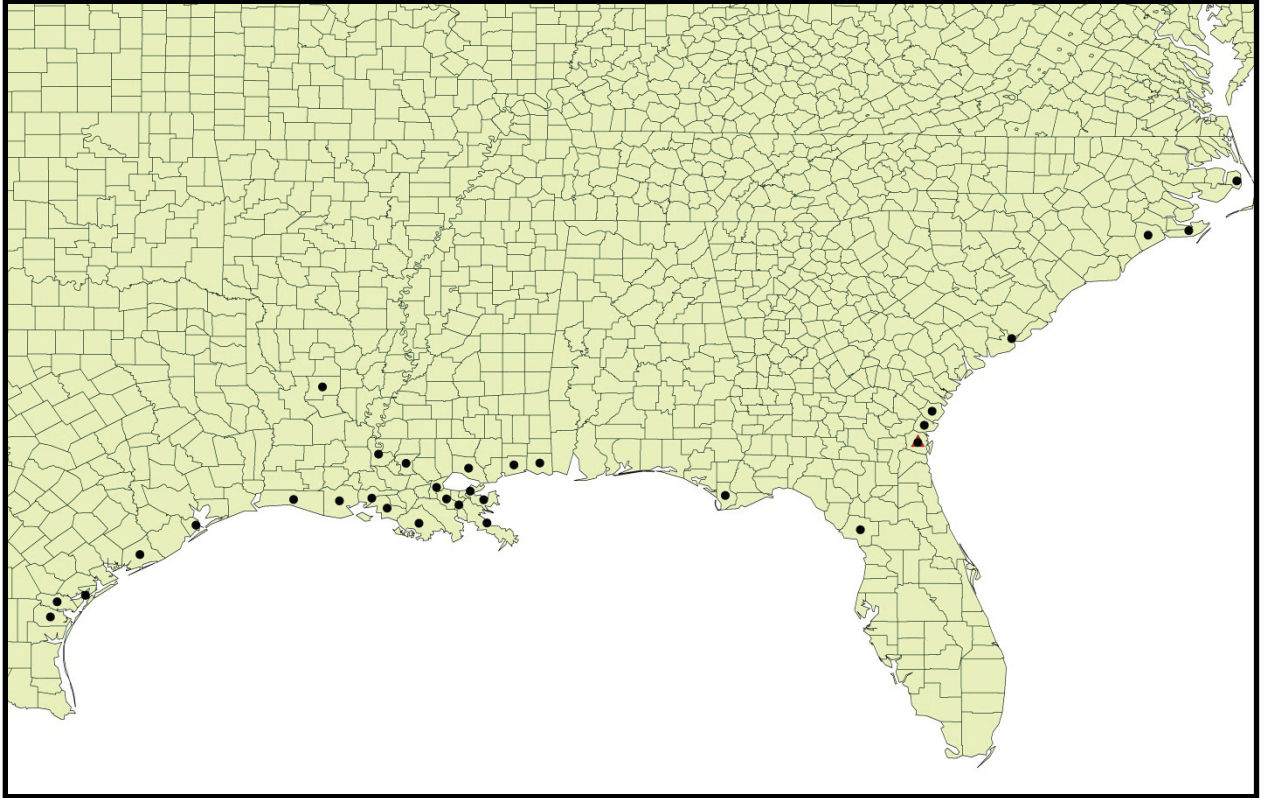


FIGURE 1. Southern United States counties with an analyzed collection for *Eleocharis albida* (circle) and *E. angusticeps* (triangle) based on 79 specimens from GA, LSU and VSC herbaria. Base map was obtained from the United States Geological Survey via the Georgia GIS Clearinghouse (data.georgiaspatial.org).

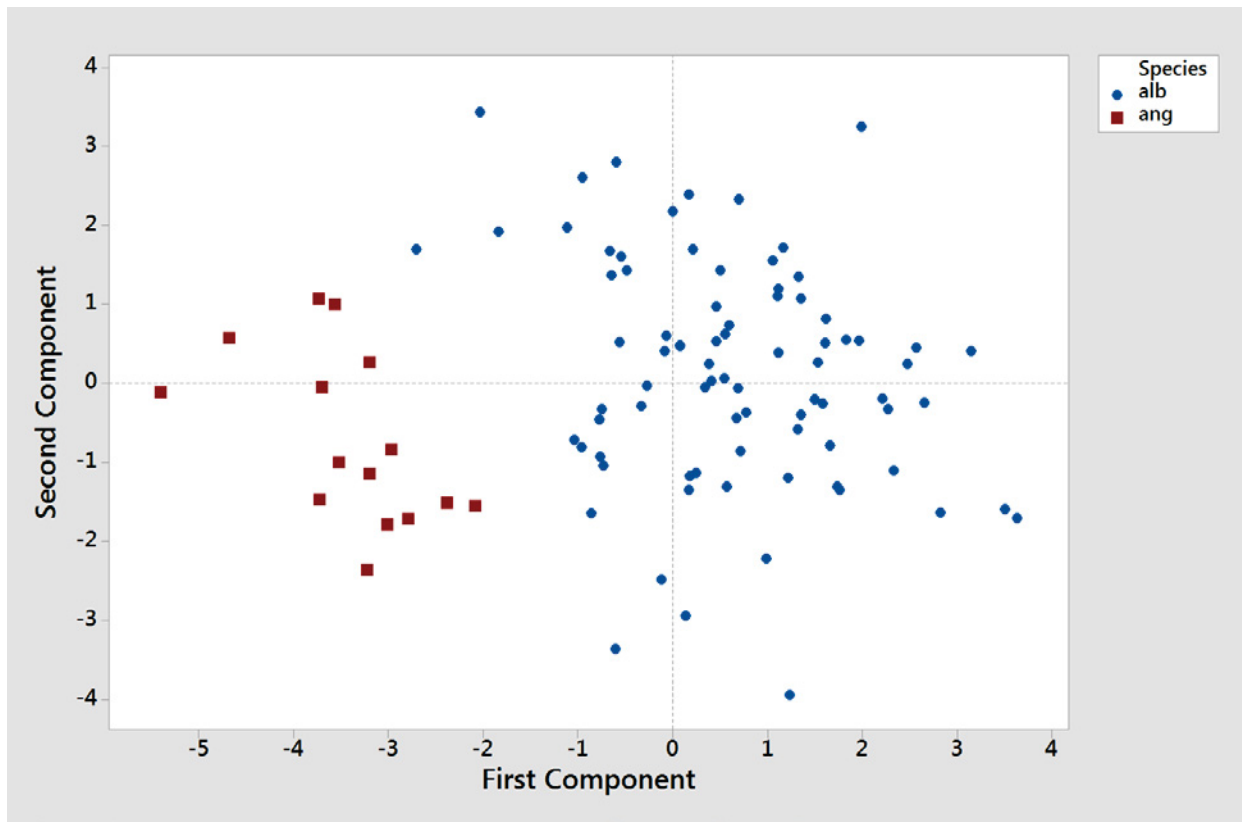


FIGURE 2. Scatter plot of PC1 and PC2 for *Eleocharis albida* (alb) and *E. angusticeps* (ang).

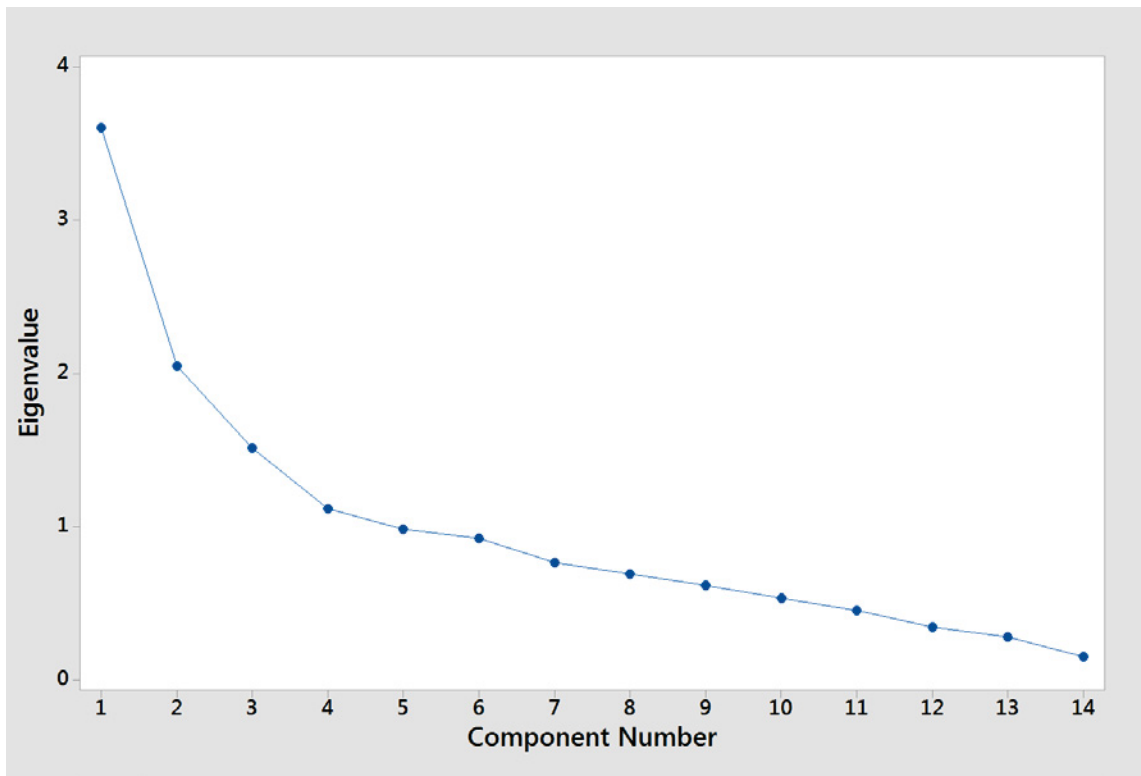


FIGURE 3. Scree plot for PCA for the two taxa.

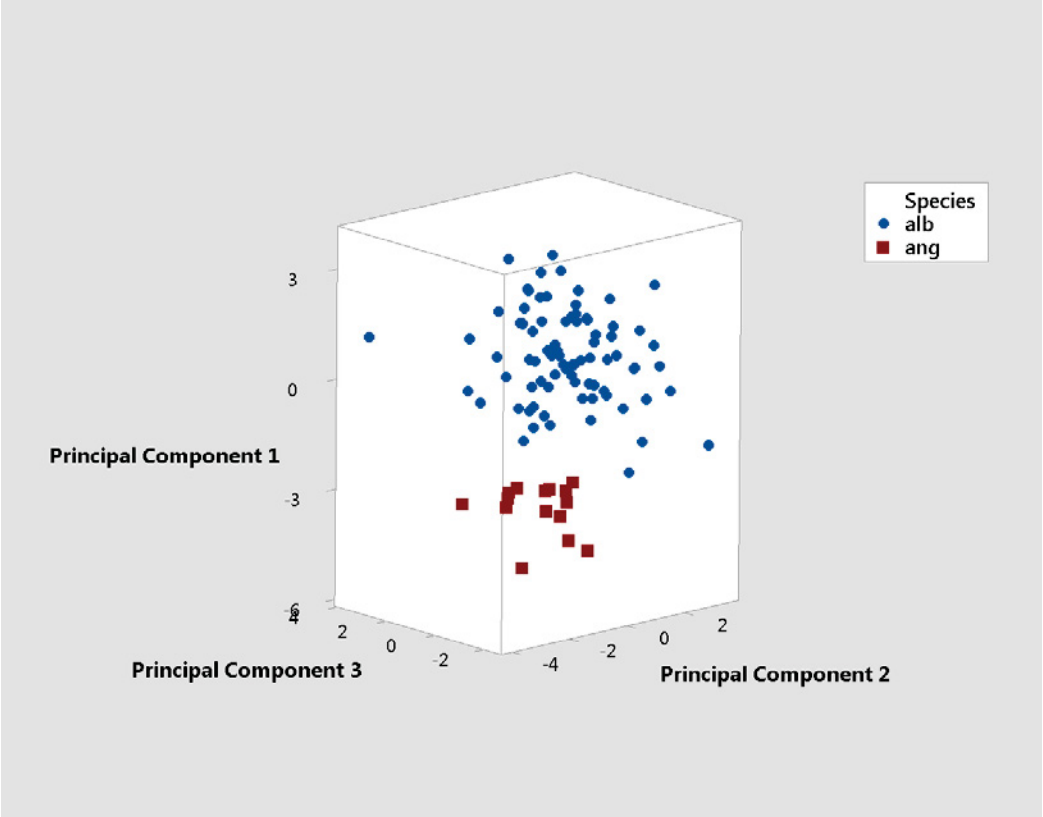


FIGURE 4. Scatter plot of PC1, PC2 and PC3 for *Eleocharis albida* (alb) and *E. angusticeps* (ang).

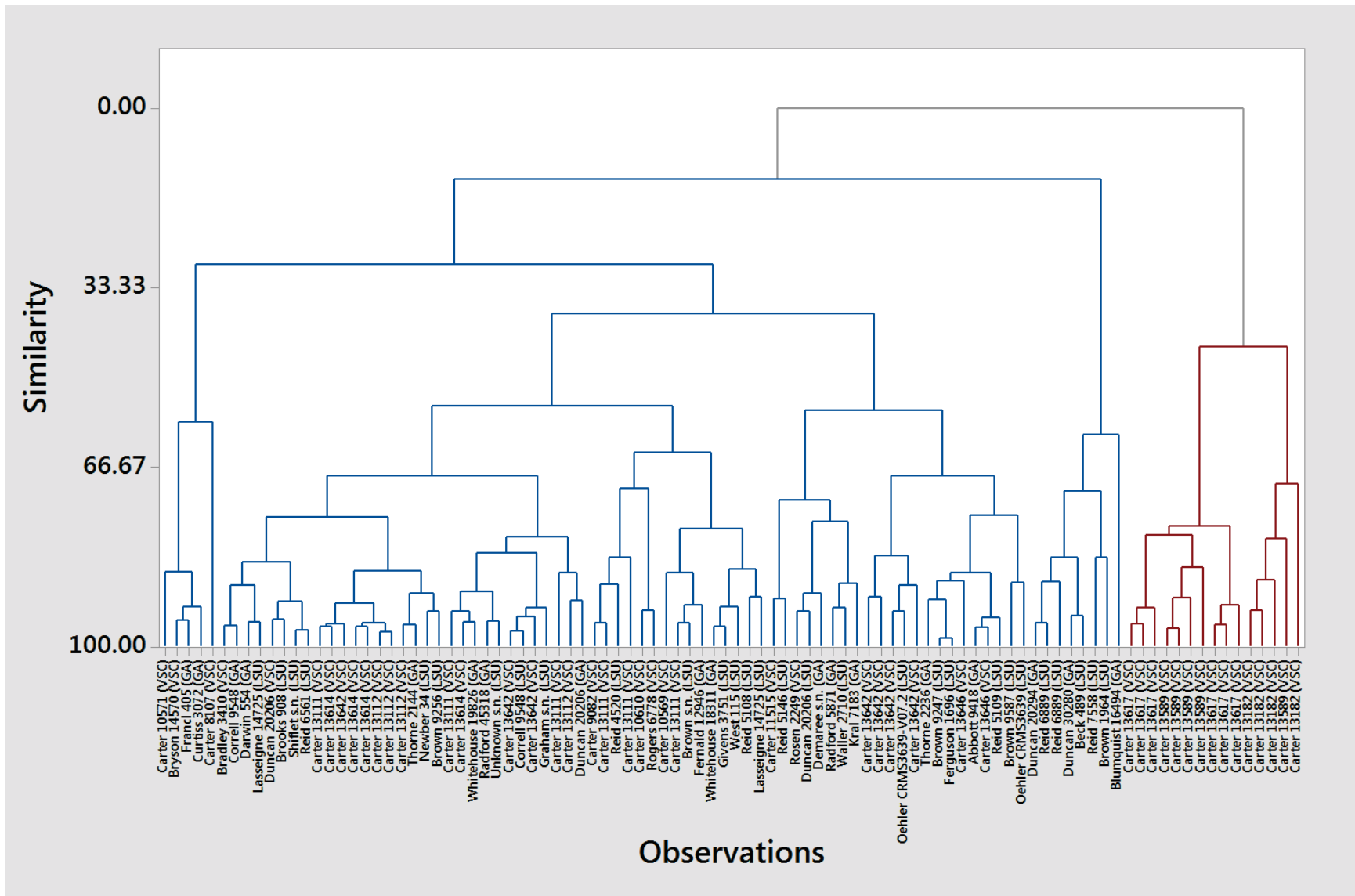


Figure 5. Euclidean distance dendrogram based off diagnostic characteristics between *Eleocharis albida* (blue) and *E. angusticeps* (red).

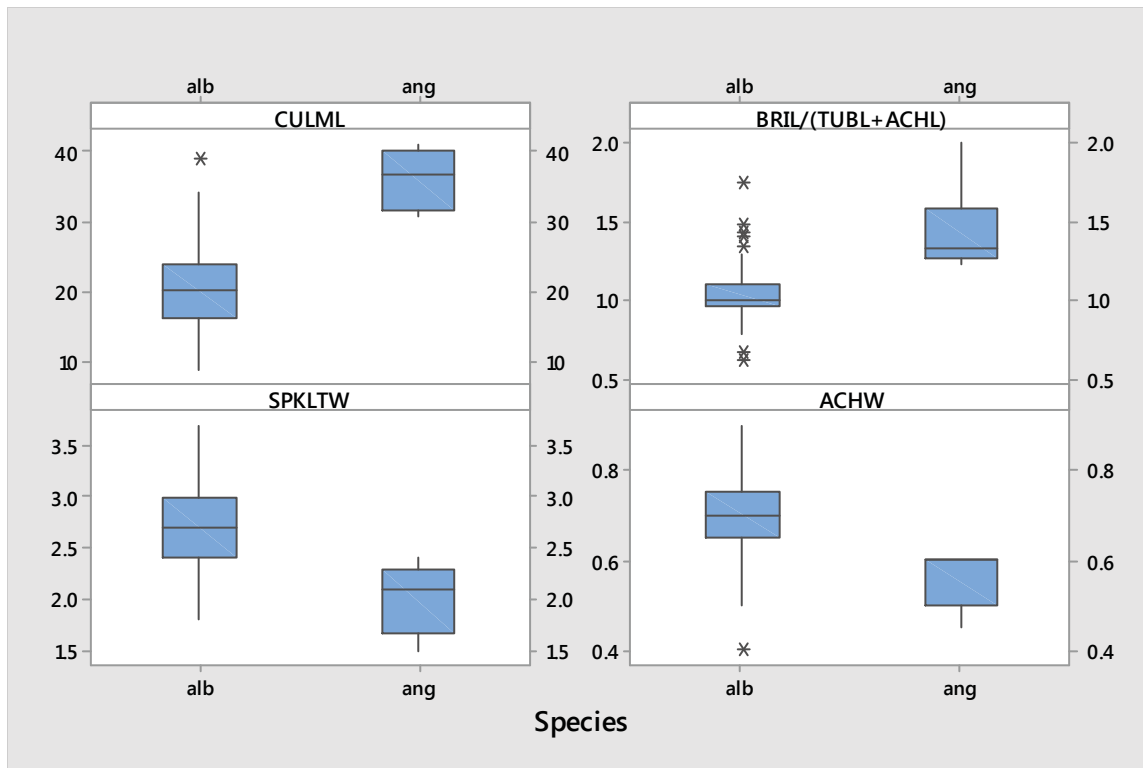


FIGURE 6. Box plots of variables highlighted by PC1 for *Eleocharis albida* (alb) and *E. angusticeps* (ang).

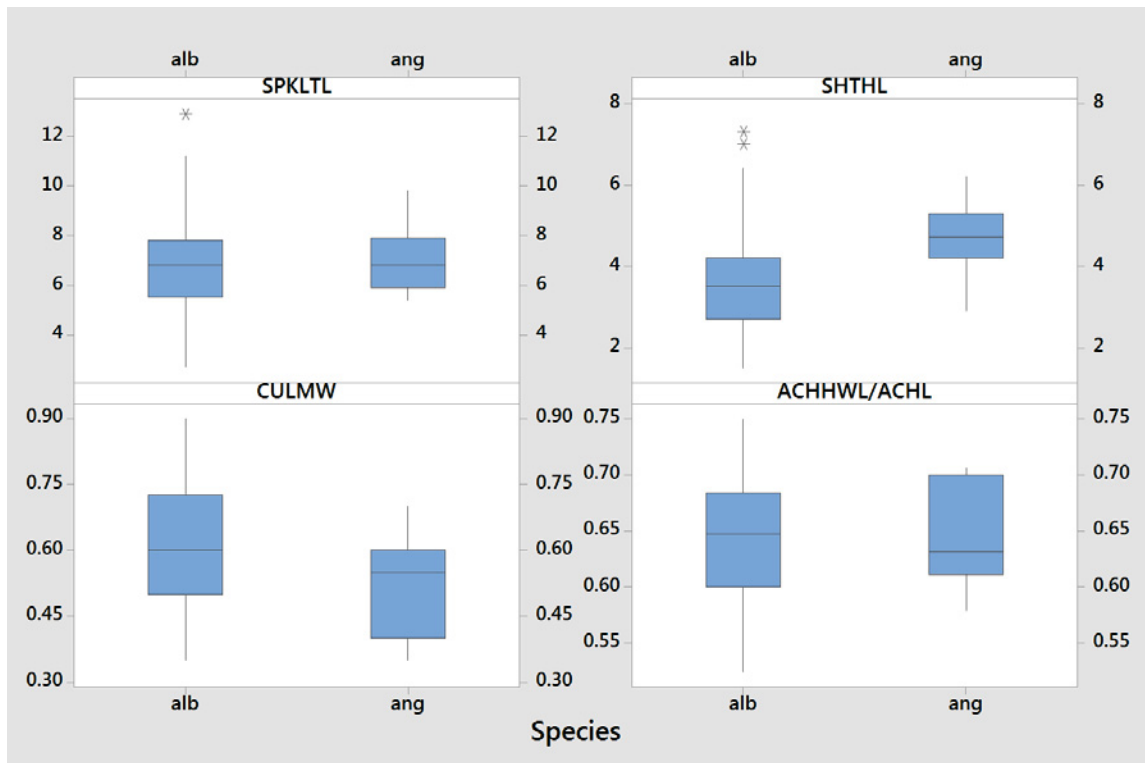


FIGURE 7. Box plots of variables highlighted by PC2 for *Eleocharis albida* (alb) and *E. angusticeps* (ang).

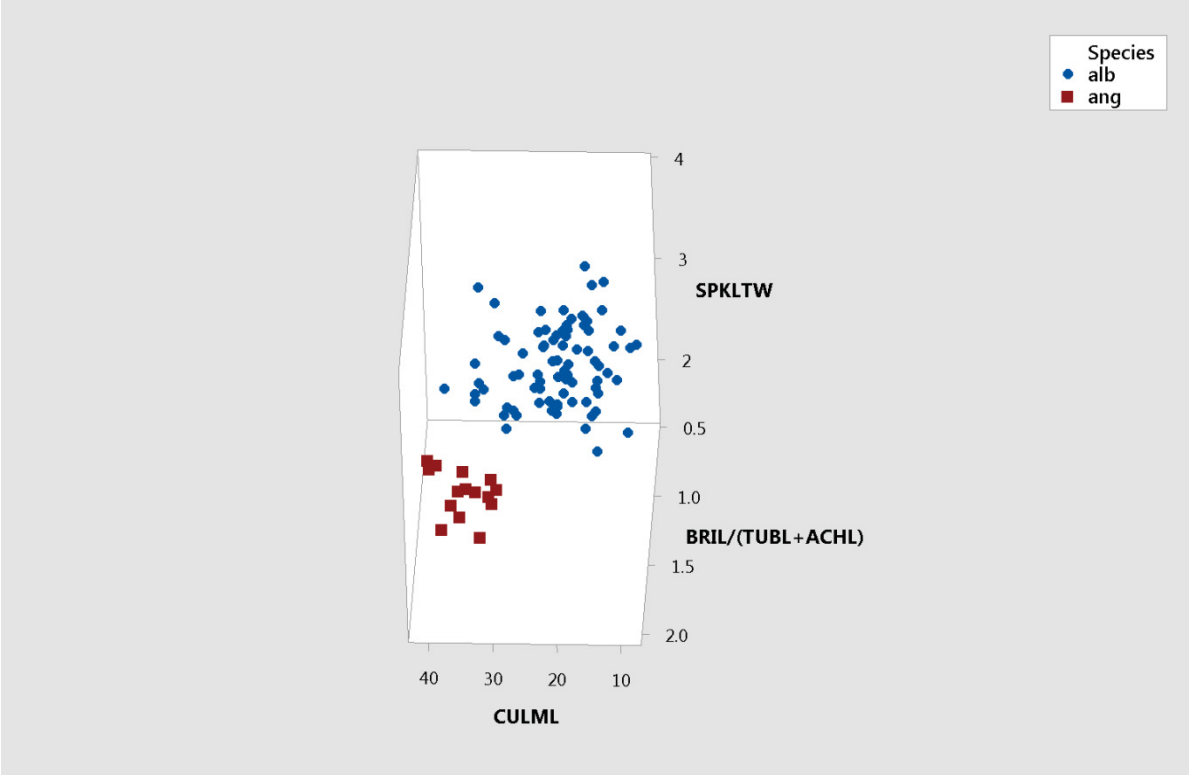


FIGURE 8. Scatter plot of diagnostic characteristics for *Eleocharis albida* (alb) and *E. angusticeps* (ang).

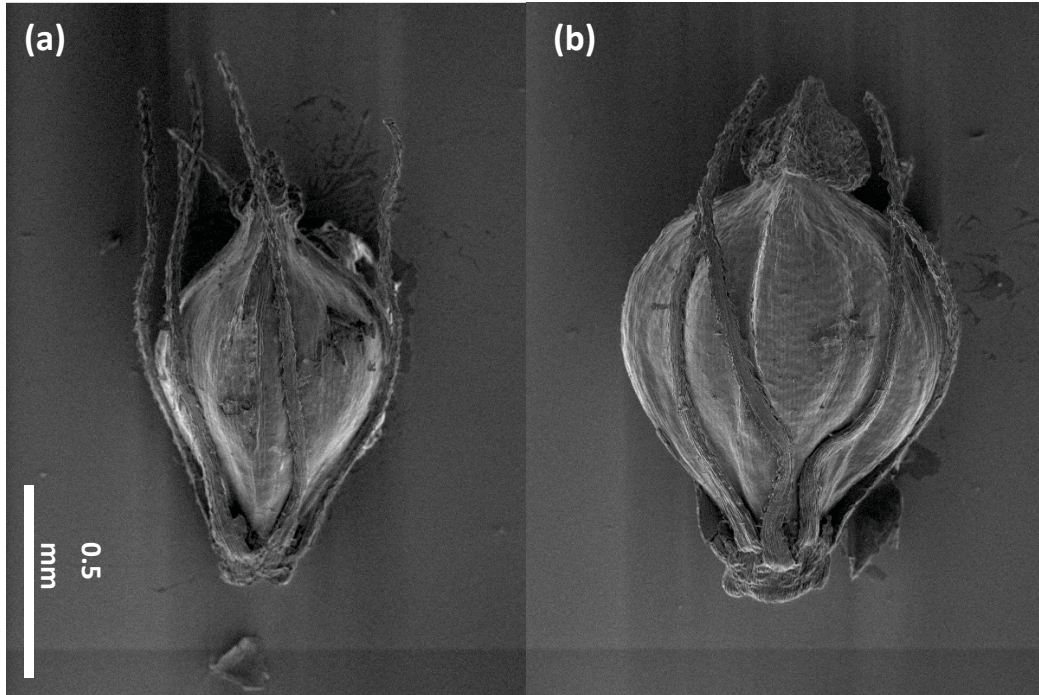


FIGURE 9. SEM micrographs of achene-tubercle complex x65 (a) *Eleocharis angusticeps* (Carter 13182, VSC); (b) *E. albida* (Reid 5216, VSC).

APPENDIX A:
Additional Specimens Examined Physically and Digitally

Bold = Vouchers used in statistical analysis

Eleocharis albid

NORTH AMERICA. U.S.A. FLORIDA. Gulf Co.: 3 mi W Port St. Joe, 6 Jul 1958, *R. Kral 7183 (GA)*. **Levy Co.:** Waccasassa Bay State Preserve, T 15S R 15E S14, off end of Fiber Factory Rd, N of Cow Creek, W of Tenmile Creek, 7 Sep 1996, *J. Richard Abbott 9418 (GA)*. **County Unspecified:** near Jacksonville, 30 May 1896, *A. H. Curtiss 5675 (GA)*; shore of St. Johns River, near Jacksonville, *A. H. Curtiss 3072 (GA)*. **GEORGIA. Camden Co.:** Kings Bay Submarine Base, 0.84 (air) mi ENE St. Marys Gate, inlet of North River marsh, ca 100 m E of dirt causeway through marsh, 30 Aug 1996, *R. Carter 13642 (VSC-7)*; Kings Bay Submarine Base, 1.09 mi S jct USS Kamehameha Ave and USS Henry L. Stimson Dr, W side of USS Kamehameha Ave, 8 Jul 1996, *R. Carter 13111 (VSC-6)*; *R. Carter 13112 (VSC-4)*; Kings Bay Submarine Base, ca 1.0 (air) mi WSW of Warrior Wharf along perimeter road, 29 Aug 1996, *R. Carter 13614 (VSC-4)*; S of Dungeness Ruins, 25 Aug 1990, *Gregory A. Krakow 952 (GA)*. **Glynn Co.:** 1 mi SE of Brunswick, 28 Nov 1935, *R. McVaugh 239 (GA)*; ditch cut from US Hwy 17 to salt-marshes, 5 mi SW of Brunswick, 7 Sep 1946, *R. F. Thorne 2236 (GA)*; Jekyll Island: Along S Beachview Dr, N of Summer Waves Water Park, approx. 1.5 km S of intersection of GA Hwy 520 & S Riverview Dr., 20 Oct 2001, *Karen Francl 405 (GA)*; salt flat 2 mi N of Brunswick, 4 Sep 1946, *R. R. Thorne 2144 (GA)*. **McIntosh Co.:** 2 mi from S end of beach on Sapelo Island, 26 Jun 1956, *W. Duncan 20206 (GA, VSC)*; around artesian well on Sapelo Island, 16 Jul 1956, *Wilbur H. Duncan 20294 (GA)*; forming loose colony about 3 feet wide and 10 feet long at upper edge of salt marsh (covered by spring tides only) and under overhanging live oak trees back of beach dunes 2 miles from S end of beach on Sapelo Island, Sapelo Island, 26 Jun 1956, *W. H. Duncan 20206 (LSU)*. **LOUISIANA. Acadia Par.:** Crowley, Rice Experimental Station, rice field, Louisiana State University Agricultural Center, Rice Research Station, 20 Jun 1941, *C. A. Brown 9023 (LSU)*. **Cameron Par.:** beside Rutherford Beach Road near its terminus at the Gulf of Mexico, Rutherford Beach (29.7597222, -93.1241667), 21 May 2008, *C. Reid 6561 (LSU)*; collected 1.5 mi S of Cameron along the coast, Cameron, 24 Jun 1971, *J. Brooks 908 (LSU)*; found 5 mi S from Hwy 14 into Laccasine NW Refuge at Laccasine Rice and Cattle Corp. Illinois Pt. Exit, Lacassine Wildlife Refuge, Lacassine National Wildlife Refuge, 16 Oct 1976, *R. Aycock 245 (LSU)*; found at Little Chenier E of Creole, Little Chenier, 28 May 1942, *C. A. Brown 9247 (LSU)*; *C. A. Brown 9256 (LSU)*; found at Rockefeller Refuge, along boundary canal N of impd. #1, Rockefeller State Wildlife Refuge and Game Preserve, Rockefeller Wildlife Refuge, 21 Feb 1956, *J. L. Chamberlain s.n. (LSU)*; found at Rockefeller Refuge, Rockefeller State Wildlife Refuge and Game Preserve, Rockefeller Wildlife Refuge, 16 Aug 1955, *J. L. Chamberlain (LSU)*. **East Baton Rouge Par.:** on LSU campus near hospital, Louisiana State University campus (30.4146247, -91.1762223), 5 Jun 1934, *Chilton 28 (LSU)*; Steele Place, Baton Rouge, Baton Rouge, *Chilton 55 (LSU)*. **Iberia Par.:** found on Avery Island, Avery Island, 11 Jul 1938, *D. S. Correll 9548 (GA, LSU)*; Marsh Island, Marsh Island Refuge, shoreline just E of Mound Point and mouth of Oyster Bayou, Marsh Island (29.478, -91.818), 12 Jul 2004, *C. Reid 5108 (LSU)*; Marsh Island, Marsh Island Refuge, shoreline just E of Mound Point and mouth of Oyster Bayou, Marsh Island (29.4783333, -91.8188889), *C. Reid 5109 (LSU)*; near the corner of Marsh Island, Marsh Island Refuge, along Vermilion Bay, Marsh Island (29.604, -92.002), 13 Jul 2004, *C. Reid 5146 (LSU)*. **Jefferson Par.:** Barataria Basin, just west of Round Lake, Barataria Bay (29.56803, -90.01226), 11 Jul 2007, *S. Graham s.n. (LSU)*; found on Grand Isle, Grand Isle, 28 Apr 1928, *C. A. Brown 1964 (LSU)*; Grand Terre Island, east of Fort Livingston and west of the headquarter's storage shed, Grand Terre Island (29.32257, -89.95115), 4 Jun 2009, *D. M. Ferguson 1696 (LSU)*; Grand Terre Island, on levee behind beach near center of island on Gulf side, Grand Terre Island, 11 Jun 2003, *C. Reid 4520 (LSU)*; Grand Terre Island, W end of island just E of Ft. Livingston, W of LDWF Marine Lab, Grand Terre Island (29.272, -89.945), 16 Jun 2004, *C. Reid 5020 (LSU)*. **Lafayette Par.:** outskirts of Rayne, on US 90, Rayne, 25 Jul 1968, *C. A. Brown 20202 (LSU)*. **Orleans Par.:** S side of Lake Pontchartrain, jct of Hwys I-10 & US 11, 17 Oct 1994, *C. Bryson 14570 (VSC)*. **Plaquemines Par.:** Delta National Wildlife Refuge, N of Pass a Loutre ca 2.5 mi E of Head of Passes, ca 3.5 air mi SE of Pilottown, Delta National Wildlife Refuge, Delta National Wildlife Refuge (29.1527778, -89.2108333), 30 Jul 2010, *C. Reid 7555 (LSU)*; Delta National Wildlife Refuge, N of Pass a Loutre ca 2.5 mi E of Head of Passes, ca 3.5 air mi SE of Pilottown, Pilottown, Delta National Wildlife Refuge (29.1527778, -89.2108333), *C. Reid 7558 (LSU)*; edge of bayou, 23 Jun 1978, *S. Darwin 554 (GA)*; marshes at N end of Barataria Bay W of Wilkerson Canal, spoil bank at Bay Lorio and Round Lake, Bay Lorio, 26 Oct 1975, *L. T. Beck 489 (LSU)*. **Pointe Coupee Par.:** found in False River, False River, 4 Mar 1973, *M. Newber 34 (LSU)*. **St. Bernard Par.:** 2.7 mi N of Chalmette jct Hwys LA 46 and LA 47, 15 Oct 1993, *R. Carter 11515 (VSC)*; E of Mississippi river, ca 4 km E of LA 39, 4.4 km N of Saint Bernard, 4.5 km E-NE of Violet, and 4.7 km NNW of Toca, Department of Natural Resources monitoring station (Coastwide Reference Monitoring System) CRMS3639, Saint Bernard (29.905802, -89.85303), 8/2008, *D. Oehler CRMS3639 (LSU)*; S of Lake Borgne, 1.7 km SE of Shell Beach, 1.9 km E of Yscloskey, Department of Natural Resources monitoring station (Coastwide Reference Monitoring System) CRMS3800, plot V66, Shell Beach (29.841174, -89.668687), 27 Jul 2009, *D. Oehler CRMS3800-V66 (LSU)*; W of Biloxi State Wildlife Management Area, SE of Lake Borgne, 11.0 km ENE of Shell Beach. Department of Natural Resources monitoring station (Coastwide Reference Monitoring System) CRMS3639, plot V07, unknown #2, Shell Beach (29.905804, -89.853092), 17 Jul 2009, *D. Oehler CRMS3639-V07.2 (LSU)*. **St. Charles Par.:** found across bayou at end of LA Rt. 306, along Bayou Gouche, Bayou Gauche, 24 Apr 1985, *F. M. Givens 4212 (LSU)*; Salvador WMA,

northwest part of Couba Island between Lakes Cataouatche and Salvador, about 7.5 air miles northwest of Jean Lafitte, Salvador State Wildlife Management Area (29.81436, -90.21965), 18 Jun 2014, *C. Reid 8896* (LSU). **St. John the Baptist Par.:** found S Bank of Pass Manchac, Pass Manchac, 12 Jul 1975, *B. L. Shiflet s.n.* (LSU). **St. Mary Par.:** edge spoil island in Atchafalaya River, ca 11 mi downstream from junction w/Intracoastal Canal (as it heads west), ca 12 air mi SSW of Berwick, Atchafalaya River Delta (29.5313889, -91.2744444), 5 Nov 2008, *C. Reid 6889* (LSU-2); Unspecified, *Unknown s.n.* (LSU). **St. Tammany Par.:** St. Tammany Wildlife Refuge, northshore of Lake Pontchartrain between terminus of LA 434 and Goose Point, W of mouth of Bayou Lacombe, ca 4 air mi SSW of Lacombe, St. Tammany Wildlife Refuge, 24 Aug 2004, *C. Reid 5216* (LSU). **Tangipahoa Par.:** 4 miles W of Hammond, Hammond, 30 Jun 1934, *Chilton 142* (LSU). **Terrebonne Par.:** found on beach of Timbalier Island, Timbalier Island, 10 May 1984, *F. M. Givens 3751* (LSU); found on Timbalier Island about 1/4 mi NW Grand Isle, Timbalier Island, 30 Jun 1937, *E. M. West 115* (LSU); Pointe-aux-Chenes Wildlife Management Area, about 7 miles SE of jct of hwy 55 and hwy 65, Pointe-aux-Chenes Wildlife Management Area, Pointe Aux Chenes Wildlife Management Area, 19 May 2005, *A. Lasseigne 14725* (LSU). **Vermilion Par.:** coastal marsh. 0.51km E of Freshwater City Rd (3147), 26.5 km SE of White Lake, 29.2 km S-SW of Intracoastal City. Department of Natural Resources monitoring station (Coastwide Reference Monitoring System) CRMS063, plot V37, unknown #1, White Lake (29.5622485, -92.322203), 6 Aug 2007, *L. Babin CRMS0633-V37.1* (LSU). **Winn Par.:** found 3 mi SE of Winnfield, Winnfield, 16 Jul 1943, *C. A. Brown 9587* (LSU). **MISSISSIPPI. Harrison Co.:** Biloxi, 24 Jul 1971, *K. Rogers 6778* (VSC). **Jackson Co.:** Ocean Springs, 3 Jul 1951, *Delzie Demaree 31024A* (GA); Ocean Springs, edge of salt marsh at entrance to Gulf Coast Research Laboratory, S end of Halstead Rd, 27 Aug 1991, *R. Carter 9082* (VSC); Pascagoula, vicinity of Westbank shipyard, just W of bay and 1/2 mi S of hwy US 90, 8 Aug 1989, *R. Carter 8107* (VSC). **NORTH CAROLINA. Carteret Co.:** 1 m W of Sea Level, Rte. 70, 22 Aug 1954, *H. L. Blumquist 16494* (GA); on South River near entrance, 27 Jun 1951, *A. E. Radford 5871* (GA). **Dare Co.:** near western end of Hatteras Island, Hatteras, N.C, Hatteras, 1 Aug 1955, *C. A. Brown s.n.* (LSU); salt flat, Pea Island, 1 Oct 1966, *A. E. Radford 45318* (GA); South lake, Pea Island, 11 Oct 1953, *A. E. Radford 7787* (GA). **Onslow Co.:** about 3 mi from E end of Topsail Island, 7 Oct 1976, *Wilbur H. Duncan 30280* (GA). **SOUTH CAROLINA. Charleston Co.:** low areas near dock in Charleston, 21 Aug 1966, *T. Bradley 3410* (VSC). **TEXAS. Aransas Co.:** 1 mi NW of Rockport, 29 Apr 1948, *E. Whitehouse 19826* (GA); rear of Rockport Tourist Cottages, 25 Apr 1947, *Eula Whitehouse 18311* (GA). **Galveston Co.:** on private property 2 mi N of Greens Lake and 4 mi SE of the town of Hitchcock, 3 Aug 2002, *D. J. Rosen 2249* (VSC); roadside ditch, S. H. 146, 2 miles S. of Kemah, Kemah, 22 May 1974, *F. R. Waller 2710* (LSU). **Matagorda Co.:** behind dunes at Sargent Beach, 20 Mar 1975, *Wilbur H. Duncan 29257* (GA). **Nueces Co.:** Mustang Island, 13.3 mi S of Port Aransas ferry landing, brackish marsh along N side of inlet and W of Hwy TX 361, 12 Sep 1992, *R. Carter 10610* (VSC). **San Patricio Co.:** Naval Station Ingleside, 11 Sep 1992, *R. Carter 10569* (VSC); *R. Carter 10571* (VSC). **VIRGINIA. Nansemond Co.:** border of salt marsh by James River, Eclipse, 20 Jun 1940, *M. L. Fernald 12946* (GA).