

DISTRIBUTION OF *CENTROSEMA*
(LEGUMINOSAE: PHASEOLEAE: CLITORIINAE)
FOR THE FLORA OF NORTH AMERICA PROJECT

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ABSTRACT

Documentation data of herbarium vouchers examined and distribution of the taxa is presented for the manuscript on *Centrosema* submitted for the *Flora of North America* project.

The manuscript on *Centrosema* Benth. (Leguminosae: Phaseoleae: Clitoriinae) for the *Flora of North America* project has been submitted. Documentation of herbarium vouchers examined and distribution of the taxa is lacking. This data is published here in order to assist researchers with state floristic projects.

METHODS

Herbarium vouchers of *Centrosema* from North America were examined from 39 national herbaria and 6 foreign herbaria. All vouchers cited have been identified accurately and annotated. Complete label information is maintained by the author. Distributional data presented here was reduced to state, county, major site, collector(s) and number, and herbaria of deposit.

RESULTS

Distribution data for taxa is presented alphabetically by state, then by county, then by author. Authors with multiple collections are cited chronologically. Collection dates generally are excluded. However, some collectors lack a collection number (indicated by

s.n., *sine numero*) and made several collections from a similar locality (common 1800's to early 1900's). Also, a few collectors use the same collection number (e.g., *Ruth 400*) for different vouchers of a species. Dates are included in order to segregate voucher data and duplicates correctly.

States and counties have been bold-faced to quickly browse through the data. Locality data has been reduced using abbreviations presented in Table 1 for frequently cited geographical features. Standard map references (e.g., T33S, R28E, S18 - township 33 south, range 28 east, section 18) cited by modern collectors are included. Locality abbreviations used by collectors (e.g., Ind. Terr. - indian territory) were cited as presented on herbarium labels. Elevation and habitat data were excluded. I am willing to share complete data with researchers who need it.

Standard acronyms are utilized for herbarium voucher citations. An acronym followed by a number (e.g., FLAS-3) indicates the number of sheets of that voucher in the herbarium collection. Acronyms followed by a lowercase "m" (e.g., FLAS-m) indicate that the voucher has mixed material of two or more species. Occasionally, duplicates were distributed under one collection number to different herbaria that contained different species. All vouchers are cited with the misidentified vouchers preceded by the word "non" (e.g., GH,MIN, MSC,UC,US; non GA,ISC,K,WTU).

TABLE 1. Abbreviations used in citing locality data for *Centrosema* herbarium vouchers.

btw	between	NF	National Forest
ca	<i>circa</i> , approximately	nr	near
Co	County	Pkwy	Parkway
Co-l	County line	rd	road
Cr	creek	Rd	road
E	East	R	river
For	Forest	R	Range, with number
Ft	Fort	RA	Recreational Area
Hdqr	headquarters	Res	Research
hwy	highway	RR	railroad
Hwy	highway	Rte	route
Isl	Island	S	South
Jct, jct	junction	S	Section, with number
l.c.	<i>loco citato</i>	s.n.	<i>sine numero</i>
Lk	Lake	SP	State Park
mi	mile	Sta	Station
MR	Military Reservation	T	Township, with number
Mt	Mount, Mountain	via	by way of
N	North	vic	vicinity
Nat	Natural	W	West
Nat.	National		

CENTROSEMA ARENICOLA **(Small) F.J. Herm.**

FLORIDA. ALACHUA: ca 11 mi NW of Gainesville, *Isley & Wemple 9255* (ISC-m). BREVARD: 4 mi N of Eau Gallie, *Melvin s.n.* (NCU); Cocoa, *Rhoads s.n.* (FLAS-2). CITRUS: ca 1.2 mi from jct 48, *Lakela 25163* (FLAS,GH) & *25275* (FLAS,FSU,GA,GH,NCU, NY). COLUMBIA: Lk City, *Degener 5157* (NY). DIXIE: 2 mi S of Old Town on Fla 349, *Isley & Wemple 9232* (NY); Suwanee R, 2 mi W of bridge on Fla 19, *Will s.n.* (NCU). DUVAL: nr Jacksonville, *Curtiss 5192* (GH,MIN-m,MSC,UC-m,US-m; non GA-2, ISC,K,

WTU). HERNANDO: S of Nobleton, *Baltzell 8615* (FLAS); Chingsegut Hill, N of Brooksville, *Lakela 24483* (GH,US); old hwy #50, W of Brooksville, *Lakela 25301* (FLAS,FSU,GH,NCU). HILLSBOROUGH: Tampa, *Britton & Wilson 81* (NY, photo at A:HOLOTYPE of syn. *Bradburya floridana* Britton); Riverview E of US 301, ca 12 mi S of Tampa, *Lakela 24596* (FLAS,FSU, GH,MIN, NCU,US). LAKE: In pine lands, vic of Eustis, 16-31 Jul 1894, *Nash 1366* (HOLOTYPE of basionym *Bradburya arenicola*: NY. ISOTYPES: MICH, MSC,UC,US). HIGHLANDS: Archbold Biol. Sta nr Lk Placid, *Hernandon 2007* (LSU) & *3301* (NY); 0.7 mi N of jct FLA 634A on US 27, ca 1 mi W of Lk Jackson, S26, T34S, R28E, *Ward et al. 5159* (FLAS). MARION: US 441A nr Weirsdale, *Baltzell 5341* (FLAS); jct rte 314 & 314A, Ocala Nat. For, *Thompson et al. 2685* (CM). ORANGE: 5 mi N of Apoka, *Baltzell 8791* (FLAS); Winter Park, *Isley & Wemple 9352* (ISC); Forest City, *Lewton s.n.* (NY); Clarcona, *Pieters s.n.* (MICH); Winter Park, *Schallert 19890* (TAES). OSCEOLA: Lk Wilson Rd-Loughman end, Kissimmee, *Singletary 165* (DUKE). PASCO: St. Leo, *O'Neill s.n.* (FLAS); 7 mi E of jct Co587 on Fla 54, *Thompson & Nishida 2877* (CM,GA, NY). POLK: *Berry 190* (TENN); nr Agrocola, *Berry 270* (TENN); 2 mi NW of Haines City, Sep 1962, *Conard s.n.* (IA-m) & 13 Aug 1964, *Conard s.n.* (NY); ca 1 mi N of Frost Proof on US 27, *Isley & Wemple 9311* (ISC-m); 4 mi E of Hesperides on Hwy 60, *Lakela 23305* (GH, NCU); nr Great Masterpiece, Lk Wales, *Lakela 24580* (US) & *Lakela 25204* (GH). PUTNAM: nr Interlachen, ca 4 km N of jct rte 17 on rte 315, *Churchill 91-358* (MSC); 7.4 mi E of Fla 21 on Fla 20, *Isley & Wemple 9355* (ISC). SEMINOLE: FL 47 E of Wekiva R, ca 8 mi W of Sandford, S21, T19S, R29E, *Moore s.n.* (FLAS); Alltamonte Springs, *Schallert 19737* (WTU). VOLUSIA: Orange City, 20 Aug 1911, *Hood s.n.* (GA) & 2 Sep 1911, *71891* (FLAS); Glenwood, 7 Jun 37, *Van Cleef s.n.* (FLAS) & 25 Jun 37, *s.n.* (FLAS).

CENTROSEMA VIRGINIANUM **(L.) Benth.**

UNITED STATES - LOCALITY UNKNOWN. *Bebb s.n.* (F); N.C. to Ga. & Fla., *Buckley s.n.* (C); *Gibbes s.n.* (NY); ex America, *Hb. Hornemann s.n.* (C); *Pond s.n.* (NY); pr, St. Marks, Aug. 1877, *Hb. Shuttleworth s.n.* (BM); Ft Marksy, Port Leon, *Hb. Shuttleworth 405* (BM); *Taylor s.n.* (PH-m).

ALABAMA. *Buckley s.n.* (BM); *Evert s.n.* (F-m); *Gates s.n.* (NY,PH); 1898, *Nasey s.n.* (SIU); in Dab & Henry, Sept 1843, *Rugel s.n.* (BM); 1839, *Torrey s.n.* (GH); N. Alabama, 1878, *Vasey s.n.* (F); 1888, *Wenshaw s.n.* (US). **AUTAUGA:** vic Bear Cr Swamp, *Moore 386* (AUA). **BALDWIN:** 1 mi N of Malbas at jct US 31 & Ala 181, *Ellis 070* (AUA); 9 mi WNW Loxley, *Isley & Wemple 9126* (ISC-m); Gulf Shores, *Kral 32621* (AUA,GA); 8 mi W Styx R on US 90, *Kral 35685* (NY); Gulf Shores, *Shinners 27398* (FSU). **BARBOUR:** Eufaula Nat. Wildlife Refuge, *Luckett 15* (AUA). **BIBB:** Reed Brake Res Nat Area, *Beckett 214* (AUA); Cahaha R, 1 mi N of Piper on Co rd 33, *Sessler 315* (AUA); Cahaha R at Pratt's Ferry, *Sessler 1842* (AUA). **BLOUNT:** S of Arab, 0.5 mi S of Blount Co Rd 25, 4.2 mi S of Cullman Co-1, *Whetstone & Wayner 5932* (NCU). **BULLOCK:** 3 mi S of Macon Co-1 on US 29, T14N, R23E, S14, *Diamond 5335* (AUA). **BUTLER:** 1 mi E of Garland Community, *Clark 14565* (NCU); 5 mi S of Georgiana, *Miller et al. 147* (AUA). **CHILTON:** S of Mulberry R nr US 82, *Moore 327* (AUA); ca 9 mi NE of Clanton, T21N, R15E, S22, *Rutland 802* (AUA); ca 5 mi NNE of Clanton, T22N, R15E, S6, *Rutland 890* (AUA). **CHOCTAW:** Burstone Cuesta SW of Riderwood, W of Butler, E of Miss. line, *Jones 21032* (GA). **CLARKE:** Jackson, *Henley 029* (AUA); 20 mi E of Jackson on Co 19, *Maddox & Pylant 037* (AUA). **CLAY:** 5 mi NW of Lineville, *Rutland 571* (AUA). **COLBERT:** Wilson Dam, T.V.A. Reservation, *Isley 2890* (ISC) & *Isley 2901* (DPU, ISC). **COFFEE:** 2.5 mi N of Elba on Ala 189, *Moore 625* (AUA). **CONE-**

CUH: ca 5 mi SE of Evergreen on Co 29, T5N, R11E, S36, *Diamond 1173* (AUA); Travis Bridge & US 31, Sepulga R, T6N, R13E, S30, *Diamond 1310* (AUA); jct hwys 165 & 6, 1 mi E of Lenox, *Guthrie & Higgins 046* (AUA). **COOSA:** ca 15 mi W of Goodwater, T24N, R18E, S19, *Rutland 1062* (AUA); ca 15.5 mi NW of Rockford, T23N, R16E, S2, *Rutland 1186* (AUA); 13 mi NW of Rockford, T23N, R17E, S18, *Rutland 1223* (AUA); ca 7 mi S of Goodwater, T23N, R20E, S22, *Rutland 1332* (AUA). **COVINGTON:** 1 mi N of Red Level on Ala 55, *Moore 740* (AUA). **CRENSHAW:** 5 mi S of Brantley on US 331, *Kral 32538* (ISC,KANU). **DALE:** ca 4 mi WNW of Echo, *Clark 5943* (NCU-m); Ft Rucker, T5N, R23E, S17, *Diamond 7641* (AUA-m); Ft Rucker, T5N, R24E, S31, *Diamond 8340* (AUA). **DALLAS:** Cahaba R at hwy 80, ca 3 mi E of Harrell, *Sessler 437* (AUA). **DEKALB:** Little R below Eberhard Point, *Clark 5064* (NCU). **ELMORE:** 5 mi N of Wetumpka on Ala 9, *Kral 36608* (KANU-m); SE of Central, ca 4 mi NW of Electric, T20N, R20E, S32, *Rutland 683* (AUA); Weoka Mills, ca 11 mi NW of Wetumpka, T20N, R18E, S30, 28 Jul 1975, *Rutland 720* (AUA); Town Cr, ca 14 Mi NW of Wetumpka, T20N, R17E, S13, 14 mi NW of Wetumpka, *Rutland 735* (AUA); Sofkahatchee Cr, ca 7 mi N of Wetumpka, T19N, R19E, S6, *Rutland 752* (AUA); ca 1 mi W of Electric, T19N, R20E, S15, *Rutland 767* (AUA). **ESCAMBIA:** 9 mi S of Uriah, *Henry 4430* (PH); Perdido Cr, ca 7 mi WSW of Atmore, *Kral 32579* (KANU-m); 2 mi E of Wawbeek on US 31, *Moore 502-69* (AUA). **ETOWAH:** Attala, 1878, *Vasey s.n.* (F, GA,NY,PH, WECO). **FRANKLIN:** Hilltop, 3 mi S of Russelville, *Isley 4904* (ISC). **GENEVA:** 5 mi N of Geneva on Ala 85, *Clark 7624* (NCU). **GREENE:** 1.5 mi N of Forkland on US 43, *Naugle G69* (GA). **HALE:** *Laessle s.n.* (GA); 3 mi W of Sawyerville on Ala 14, *Moore 895* (AUA-m); Tanglewood, *Williams 290* (NCU). **HOUSTON:** *Daly s.n.* (AUA); 10 mi S of Dothan, *Weigand & Manning 1653* (GH). **JACKSON:** *Graves 1935* (MO); *Tarry s.n.* (K); Tennessee R ca 2 mi SW of Ala 35 on Co Rd 29, *Whetstone & Wayner 5897* (NCU). **JEFFERSON:** Caldwell Mill Rd, Birmingham, *Athey s.n.* (SIU); Terpin Ridge off Altadena Rd, *Duke 2391* (NCU); nr Birmingham, *LeClair*

s.n. (NCU); Cahaba R at Bain's Bridge (hwy 31), *Sessler 1591* (AUA). **LEE**: Saugahatchee Cr, 2.5 mi from Loachapoka on Co 11, *Atkins 114* (AUA); nr Auburn Univ. exp. pond S-6, *Atkeson 0195* (AUA); Auburn, *H.R.B. s.n.* (DUKE); l.c., *Baker 30* (NY); l.c., *Belcher s.n.* (AUA); Condy's Lk nr Opelika, *Correll 6530* (GH); Auburn, *Earle & Baker s.n.* (MIN,NY); College Farm, *Gardner & Palmer s.n.* (AUA); Auburn, *Geno 110* (GA); 5.8 mi W of Loachapoka, *Hayes 154* (NCU); 5 mi N of Crawford on Ala 169, *Kral 31817* (GA-m); Auburn, *Miller 189* (AUA); l.c., *Ruse s.n.* (AUA-m); *Sansing s.n.* (AUA); Wright's Mill, 6 mi S of Auburn, *Smith s.n.* (AUA); Auburn, *Stough s.n.* (AUA). **LOWNDES**: 3 mi NE of Haynesville on Ala 21, *Atkins s.n.* (AUA). **MARSHALL**: Columbus, *Celrohi s.n.* (US); Bozart Cr, *Isley 2871* (ISC); [nr Guntersville Lk], Columbus, *Mohr. s.n.* (US). **MOBILE**: RR nr Ala 96, Citronelle, *Clark 3307* (NCU); Audubon Bird Sanctuary, Dauphin Isl, *Derramus D111* (NCU); SE of Three Mile Creek, Univ. of S. Alabama, Mobile, *Lelong 3382* (NCU) & *3549.1* (NCU); Mobile, *Mohr. s.n.* (SIU); 10 mi N of Mobile, *Norman s.n.* (TENN-m); Univ. of S. Alabama, Mobile, *Rogers 1906-A* (MISS); 2.5 mi N of Citronelle, *Shinners 11624* (GA-m). **MONROE**: NW of Claiborne on US 84, *Davis & Davis 11659* (CM-m); 9 mi S of Uriah, *Henry 4430* (PH); 0.3 mi S on Ala. 41 of jct with Co 59, *Hybart 108* (AUA); Tensaw, *Tracy 8005* (BM,E,F,GH,MSC,NY-2,US). **MONTGOMERY**: *Kelly s.n.* (AUA); 1 mi W of Mathews, *Teem 58* (AUA); Montgomery, *Wadmond 2696* (MIN). **PERRY**: Cahaba R nr Hwy 43, 1 mi SW of Radford, *Sessler 603* (AUA). **PIKE**: Spring Hill, *Bush 34* (KANU, MIN,NY,US); 0.2 mi S on Co 26 from jct Co 14, T9N, R21E, S1, *Diamond 3371* (AUA-m); Spring Hill, *Graves 965* (MO); 3 mi N of Brundidge, *Moore 563* (AUA); 4.2 mi N of Monticello on US 29, *Simonds 059* (AUA). **RANDOLPH**: 3 mi E of Rock Mills on Ala 22, *Spencer 077* (AUA). **SUMPTER**: 6.5 mi N of York, *Jones 1409* (GA). **TALLAPOOSA**: Lk Martin nr US 280, *Anderson 096* (AUA). **TUSCALOOSA**: Tuscaloosa, *Nevius s.n.* (LSU) & *191* (LSU). **WILCOX**: Coal Bluff on Alabama R, ca 7.5 mi SW of Camden, T11N,

R14E, S17, *Gunn 1060* (AUA); ca 2.5 mi SE of Culpeper nr Alabama R, T10N, R5E, S2, *Henderson 231* (AUA); Cedar Cr ca 0.5 mi E of Furman, *Owen 121* (AUA).

ARKANSAS. s. Ark., *Harvey 72* (GH); *Hayes s.n.* (NY). **ASHLEY**: S of Crossett, *Bourdo 27138* (MSC-m). **BRADLEY**: Banks, *Demaree 19044* (MO,NY-m); Bradley Co Park, Warren, *Milton 105* (ILL). **CALHOUN**: ca 4 mi NW of US 167, S of Hampton, *Thomas & Amason 141475* (TENN-m). **CLARK**: Okolona, *Demaree 17814* (MO, NY-m); Bluff City, *Tucker 5745* (NCU). **COLUMBIA**: 2.5 mi N of Ark 98 on US 79, N of McNeil, *Thomas 137058* (TENN-m). **GARLAND**: *Letterman s.n.* (MO); Hot Springs, *Meek s.n.* (ISC). **HEMPSTEAD**: McNab, *Moore 400456* (ISC); 10 mi W of Hope, *Moore 410-251* (NCU-m); Fulton, *Palmer 42065* (GH). **HOT SPRING**: Malvern, *Demaree 16290* (ISC,NY); Malvern, Ouachita R, *Jones s.n.* (APCR). **IZARD**: White R cliffs N of RR, 0.25 mi W of Wilson Cr, T14N, R8W, S16, *Thomas et al. 20512* (CM-m,FLAS,GA,GH,ISC, KANU,LSU,MICH,MISS,MO,MSC,NCU-2,SIU,TAES, TENN, UMO-m,WVA) & *31044* (MSC). **MILLER**: 4.8 mi N of Ark 160, E of Nature Conservancy Preserve, *Thomas et al. 151315* (TENN). **NEVADA**: nr Bluff City, *Graham 691* (NCU); Prescott, *Hollister 48* (US). **OUACHITA**: Chidester, *Moore s.n.* (ILL); 0.5 mi N of Baptist Church, Childester, *Tucker 8112* (NCU). **PERRY**: Nimrod Reservoir, *Wolff s.n.* (MSC). **PULASKI**: Arkansas R nr Fort Roots, NW of Little Rock, *Merrill 512* (FSU). **SEVIER**: Mineral, *Brinkley 356* (F). **UNION**: 3 mi N on Ark. 7 & jct Ark 355, *Brooks & Kuhn 17612* (GA, KANU); jct hwy 167 & Co 312, 1.5 mi S of Calion, *Sundell et al. 9166* (KANU); W of Calion & US 167, T16S, R14W, S7, *Thomas & Amason 134738* (NY,TENN).

[**COLORADO**]. 1 mi W of Eagle Lake, *Warnock 46300* (UC = misidentification; species not in this state!).

DELAWARE. **NEW CASTLE**: Wilmington, *Anonymus s.n.* (NY). **SUSSEX**: N of Bethel, *Churchill & Wurdack s.n.* (MSC-2); nr Laurel,

Commons s.n. (PH); Seaford, *Commons s.n.* (PH-2); Nanticoke R, 0.7 mi SE of Seaford, *Earle 1783* (PENN); N of Millsboro, *Long & Bartram 1425* (PH).

FLORIDA. *Brendel s.n.* (ILL); *Chapman s.n.* (K,PH); southern flora, *Hb. Chapman s.n.* (G-2, GH,NY); St. Vincents Isle, *Chapman s.n.* (F); 1859, *Cooper s.n.* (GH); N. Dallas, 1859, *Cooper s.n.* (GH); 1875, *Curtis s.n.* (GA); Jun, *Curtiss s.n.* (A-2); Hillsborough R, *Deam 2733* (MICH,MIN); *Gle s.n.* (NY); *Gray 32* (MIN); Detroit, *Harshberger s.n.* (PENN); Spring Garden, *Rugel 152* (BM-3,E) & *213* (BM) & *261* (BM); Eagle Bay nr Kissiminee R, *Small 9907* (C-m); *Welch 1564* (DPU). **ALACHUA:** Univ. of Florida, Gainesville, *Anonymous s.n.* (OSC-m); San Felasco Hammock State Preserve, NW of Gainesville on SR 232, T9S, R18E, S13, *Dunn 76* (FLAS); Levy Grant Lot 10 S of Gainesville, *Easley 343* (FLAS); 1 mi W of Gainesville, *Ford 2219* (NCU); 12 mi N of Gainesville, *Gillis 3927* (MSC); NW of Gainesville, *Gillis 4986* (MSC); Gainesville, *Guala 888* (FLAS); ca 11 mi NW of Gainesville, *Isley & Wemple 9255* (ISC-m); Gainesville, *Judd 2083* (ILL); l.c., *Meebold 27088* (NY); 9 mi W of Gainesville, *Small s.n.* (GH,NCU,NY); San Felasco State Preserve, *Viers 60* (FLAS-m); Arredondo, *Walker s.n.* (IA). **BAKER:** 2.2 mi S of Olustee on Fla 231, T4S, R19E, S3, *Ward 4826* (FLAS). **BAY:** Sunnyside, *Atkins 199* (AUA); l.c., *Crouse 078* (AUA); Mexico Beach, *Godfrey 60047* (FSU-2); Panama City, *Kral & Godfrey 15063* (FSU); ca 1 mi S of Panama City, T4S, R14W, S17, *Perkins & Nelson 409* (C,FLAS,MSC). **BRADFORD:** 2.2 mi N of Starke on US 301, *Ward et al. 1362* (FLAS). **BREVARD:** Cocoa Beach, *Demaree 50172* (WVA-m); Melbourne, *Hood 4287* (GA); Indian R, Coco, *Small 8738* (ISC,NY,UC); 2 mi S of Cocoa on US 1, *Stone 1627* (DUKE). **BROWARD:** jct Miami Rd & Marina Rd, Ft Lauderdale, *Peck 2* (DUKE). **CALHOUN:** ca 18 mi W of Blountstown on Fla. 20, *Henderson 64-325* (ISC). **CHARLOTTE:** Caloosa Exp. Range, US For & Range Sta, *Adams 227* (GA,GH); Charlotte Harbor, *Blodgett s.n.* (GH); nr Hdqr Barn, Caloosa For, *Parrott 114*

(DUKE). **CITRUS:** 1 mi S of Fla 344, Withlacoochee State For, *Baltzell 10932* (NY); ca 1 mi W of Dunnellon on Hwy 488, *Brass 33281* (FSU); Chassahowitza, AR 480, *Genelle & Fleming 1524* (GA,NCU); Withlacoochee State For, *Genelle & Fleming 1870* (PH); 2 mi N of Hernando, *Mozingo s.n.* (CM-m). **CLAY:** Orange Park, *Howell 1134* (PH); Green Cove Springs, *Martin s.n.* (PH); 10 mi N of Keystone Heights on SR 21, *White 113* (FLAS). **COLLIER:** vic Naples off US 41, *Cooley et al. 8989* (FSU,GA,GH); Marco, *Hitchcock s.n.* (F); Marco Isl, vic of US 92, *Lakela 29848* (BM,GH,MIN,NCU); Naples, *Liggett 1957a* (GA). **COLUMBIA:** 5.4 mi E of Lk City on US 90, *Beaman 307* (ISC,MICH,MIN,NCSC); 4.5 mi NW of Ft White off US 27, Ichetucknee Springs SP, T6S, R15E, S13, *Herring & Herring 221* (FLAS) & *751* (FLAS); Lk City, *Hitchcock 3-79* (F); N of High Springs, *Moldenke 1098* (BM,DUKE,ILL,NY,PENN); S of Ellisville, *Moldenke 1103a* (BM,ILL,MIN,NY,PENN); Lk City, *Rolfs 87* (GA); l.c., *Saraintance 1156* (F) & *1160* (F) & *1165* (F). **DADE:** nr Homestead, *Beardslee s.n.* (MU); N. Miami, *Bright 4235* (CM); Long Prairie [nr Homestead], *Britton 215* (F,NY); Miami Beach, *Bush s.n.* (CM); 2 mi W of Homestead, *Churchill s.n.* (MSC); Deering Estate, Cutler, *Correll & Popenoe 49793* (NCU); Coconut Grove, *Cowles s.n.* (ILL); Miami, *Cowles s.n.* (ILL) & *267* (MU); ca 6 mi W of Royal Park Inn, *Deam 22* (NCSC); Miami, 7 May 1930, *Duckett s.n.* (US) & 8 May, *s.n.* (GH,WIS,WTU); Miami, *Eaton 878* (F); Pine Isl, 25 mi S of Miami, E of Naranija and Homestead, *Elder 179* (DUKE); Princeton, *Esselbaugh s.n.* (ILL); nr Cutler, *Fennell 390* (DUKE,UC); Homestead, *Formont s.n.* (GH); Miami, *Garber s.n.* (F); Everglades Nat. Park, *Gillis 4372* (MSC); Coconut Grove, *Haden 3* (US); Homestead, *Herndon 2864* (LSU,NCU, NY); Miami, *Hill 2978* (NCU); l.c., *Hunnewell 5758* (WELC) & *7347* (GH); 6 mi S of jct 27 & 41, *Isley 7799* (ISC); N of Homestead, *Isley 7854* (ISC); E of Goulds, *Isley 8085* (ISC); Miami, *Jarrish & Jarrish 562* (OSC); 2.1 mi N of Ojus RR Sta on US 1, *Jarrish & Jarrish 656* (WTU); 10 mi N of Homestead, *Liggett 1954a* (GA); Deering Estate, Coral Gables, *Lott DT1441* (FLAS); Miami, *Meredith s.n.*

(PH); Buena Vista, *Moldenke 271* (DUKE,K,MU,NY,PENN); Everglades Nat. Park, *Morrill s.n.* (ISC); Black Point Bridge nr Cutler, *My...* 340 (CM); Biscayne Bay, Cedar Key, *Palmer 115* (GH,US); Coral Gables, *Patrick s.n.* (PH-m); Miami, T56S, R40E, S4, *Raymond & Tan WP29* (FLAS); Manatee ad Osha, *Rugel 263* (BM); Miami, *Small & Nash s.n.* (NY); Ft. Lauderdale to Miami, *Small et al. 115* (PH); btw Cocoanut Grove & Cutler, *Small & Wilson 1586* (NY); btw Homestead & Camp Jackson, *Small & Wilson 1664* (NY); btw Cocoanut Grove & Cutler, *Small & Wilson 1900* (NY); Ft Lauderdale to Miami, *Small et al. 3363* (NY); S of Miami R, *Small 3847* (NY); Brickell Hammock S of Miami, *Small 4050* (NY-m,US); S of Miami R, *Small & Small 4759* (NY) & 4799 (NY); Ross Hammock, *Small et al. 6522* (NY) & 6607 (NY); Addison Hammock, *Small & Small 6634* (NCU,NY,PENN); Arch Cr, *Small et al. 6798* (MICH,NY); W of Silver Palm, *Small 7938* (NY); Miami, *Small 8502* (DUKE,NY-2, TENN,WVA); W of Coconut Grove, *Small 8790* (GH,NY); Big Pine Key, *Smyth 546* (VPI) & 896 (VPI); S. Miami, *Stimson 114* (DUKE); Sanibel Isl, *Tracy 7782* (BM); 22.8 mi NE of Flamingo on Fla 27, *Ward & Burch 3909* (FLAS); Miami, *Westgate 3186* (F); Homestead, *Wible s.n.* (CM). **DE SOTA**: E of Brighton, *Bright 4038* (CM). **DUVAL**: nr Jacksonville, *Curtiss 671* (BM,F,GA,GH,ILL,IA,KANU,MICH,MIN-2,NY-2, PH,OSC,UC,US) & 4244 (UC) & 4904 (GA,GH, K,MIN,UC,US) & 5105 (GA-2,GH,MIN,MSC,NY,UC, US,WTU) & 5192 (GA-2,ISC,K,MIN-m,UC-m,US-m,WTU; non GH,MSC,); Myrtle Creek, Little Talbot Isl SP, T1S, R29E, S1/2, *Easley 1019* (FLAS); *Fredholm 109* (NY) & 5162 (GH,ISC,US); S Jacksonville, *Lang s.n.* (PH); vic of Mayport & Jacksonville, *Keeler s.n.* (NY); Jacksonville, *Lighthipe 251* (IA,MIN,NCU,NY) & *Lighthipe 1095* (E); 1 mi N of Tisonia, *Weigand & Manning 1651* (GH). **ESCAMBIA**: Gulf Beach, *Ford 4428* (GH); 5 mi W of US 29 on US 90, *Isley & Wemple 9138* (ISC); Santa Rosa Isl, ca 16 km W of bridge to Ft Walton Beach, T2S, R26W, *Ward 7245* (BM,C,FLAS,FSU,GA, NY). **FRANKLIN**: Dog Isl, *Anderson 5453* (FSU); E of St Teresa on Hwy

98, *Anderson 7284* (FSU); Van Horne Landing of Apalachicola R, 8.6 mi air SSW of Sumatra, *Anderson 9676* (FSU); Cape St George Isl (Little St. George), *Anderson 11729* (FSU); Marine Lab, *Jackson 422* (FSU); East Pass, Tracy 6330 (BM,CM,F,GH,MIN,MSC, NY). **GADSEN**: Indian Springs Park, ca 4.5 mi SW of Greensboro on rte 12, *Anderson 4490* (FSU); Havana, *Ford 3655* (US). **GLADES**: *Hunnewell 10370* (GH). **GULF**: W of Saul Cr, 6.5 mi air NW of Apalachicola, T8S, R8W, S6, *Anderson 9837* (FSU); Apalachicola, *Chapman s.n.* (NY); l.c., *Taurman s.n.* (NY,PENN). **HAMILTON**: SE of Lk Alycone on FLA 214, *Bright 211* (GA); 1 mi W of Westlake on Fla. 6, T1N,R12E, S17, *Ward 1423* (FLAS, GA). **HARDEE**: ca 8 mi E of Zolfo Springs on Rte 59, *Brass 20607* (US). **HENDRY**: W of Belle on Fla 80, *Davis & Davis 13005* (CM); 6 mi E of La Belle on Fla. 80, *Wiggans 20116* (GA). **HERNANDO**: Fla 50 at Sumter Co-l, *Baltzell 2182* (NCU); 0.5 mi W of Fla 471, Withlacoochee State For, *Baltzell 8564* (FLAS-m); Janet Butterfield Brooks TNC Preserve, ca 8.3 mi air NE of Fla 50 & 55 jct. in Weeki Wachee, T22S, R18E, S2, *Orzell & Bridges 14578* (NY). **HILLSBOROUGH**: Tampa, *Ferguson s.n.* (ILL); nr jct Fla. 582 & US 41, Tampa, *Isley & Wemple 9287* (ISC); N of Tampa, *Lakela 24298* (FSU,GH,K); USF, Tampa, *Lakela 24515* (GH); Rd to Nowhere, 4 mi N of USF, *Lakela 25178* (GH,NCU); *Smith s.n.* (US). **INDIAN RIVER**: *Curtiss 672* (GH). **JACKSON**: 5.3 mi E of Marianna on US 90, *Isley & Wemple 9187* (ISC); Three Rivers SP, *Knight 697* (FSU); Marianna Caverns SP, *Mitchell 329* (FSU-m). **JEFFERSON**: NE shore Lk Miccosukee, T2N, R3E, S12, *Burks 278* (FSU); *Hitchcock 3-77* (F). **LAFAYETTE**: 4.5 mi N of Day, *Duncan & Hardin 18239* (GA). **LAKE**: 2.5 mi E of jct US 27 on FL 50 nr Leesburg, W of Orange Co-l, *Churchill 89538* (MSC-m); vic Eustis, *Hitchcock 3-80* (F-m) & 3-83 (F-m); vic Eustis, *Nash 785* (US) & 1122 (GH,MICH,MIN, MSC,NY, PH,UC,US). **LEE**: Sanibel Isl, *Brumbach 5356* (MSC) & 8838 (GA,GH,MICH,NCU, NY,US); l.c., *Cooley 2615* (GH); Punta Rassa, *Harshberger s.n.* (PENN-m); Sanibel, *Hitchcock s.n.* (F); Myers, *Hitchcock 60* (MIN,NY) & Punta Rassa, 60 (F,GH,US); N Ft Myers, *Isley 6708* (ISC-m); Bonita Beach, *Isley 7789* (ISC); Bo-

nita Springs, *Lakela* 27096 (GH); Ft Myers, *Moldenke & Moldenke* 29714 (ARIZ); l.c., *Standley* 250 (F,GH); 8 mi SE Ft Myers, *Standley* 470 (GH,US); Sanibel Isl, *Tracy* 7782 (BM,CM,F,GH,MIN, MSC,NY-2, PENN). **LEON**: Tallahassee, *Berg s.n.* (F); 1 mi E of airport on Hwy 263, *Bowers & Bowers* 45592 (TENN); Helen Guard Station on Fla 371, *Henderson* 63-1204 (ISC); Capitola, *Isley & Wemple* 9204 (ISC-m); Tallahassee, *Phillips s.n.* (FSU); Tallahassee - Ft Marks, *Rugel s.n.* (BM); 2 mi N of Capital Circle on Crawford Hwy, *Stevenson* 23 (FSU). **LEVY**: jct C-40 & C-40A, Waccasassa Bay State Preserve, T16S, R16E, S31, *Abbott* 8922 (FLAS); jct Gulf Blvd. & Hodges Rd., Cedar Key, *Alcorn* 125 (FLAS); Cedar Key Scrub State Reserve, N of Fla 24, *Amoroso* 423 (FLAS-m); 2 mi S of Lebanon Sta on US 19, *Baltzell* 6255 (FLAS); 2 mi NE of Cedar Key via FLA 24, *Baltzell* 8502 (FLAS); 2.9 mi NE of Cedar Key on Fla 24, *Baltzell* 8519 (LSU); hwy 24 btw Cedar Key & Otter Cr, *Carlton et al.* 3330 (VPI); Cedar Key State Preserve, *Cherry et al.* 77 (FLAS); Rosewood, *Garber* 671 (F,NY,WAB); 9.4 mi W of jct US 19 & 98 on Fla 345, *Gunn* 3342 (ISC): vic Cedar Key, *Isley* 6100 (GA,NCSC); 5 mi N of Cedar Key, *Isley* 6105 (ISC, NCSC); nr Yankeetown, *Isley* 6679 (ISC). **LIBERTY**: nr Hasford, *Godfrey* 53751 (FSU,GH,NY); nr Apalachicola Rr, Torreya SP, *Godfrey* 71901 (FSU). **MADISON**: nr Withlacoochee R E of Madison on Fla. 6, *Godfrey* 75357 (FSU); *Hitchcock* 3-78 (F); N Bridge Suwannee R, Ellaville, *Phillips* 2131 (ARIZ); 2 mi S of Greenville on Hwy 221, *Ramsey & Mitchell* 51 (FSU). **MANATEE**: Longboat Key, *Bihu s.n.* (MU); l.c., *Isley* 7774 (ISC); Manatee, *Rugel s.n.* (BM). **MARION**: ca 8 mi N of Oklawaha on 67, Ocala Nat. For, *Baltzell* 6549 (FLAS); l.c., jct SR 19 & 40, *Greenberg* 22 (FLAS); Ocala Nat. For, *Mather s.n.* (FSU); Ft Ocala et Whittlacondry R, *Rugel s.n.* (BM). **MARTIN**: 1 mi NE of Rio, *Churchill* 68644 (MSC); nr Jensen, *Duncan* 12167B (GA); ca 1 mi W of Jensen Beach, T37S, R41E, S21, *Garland & Przekop* 800 (FLAS); S of Salerno off A1A, *Lakela* 24969 (GH); Jonathan Dickinson SP, *Popenoe & Roberts* 1383 (NCU-m); SW of Salt Springs, ca 0.5 mi E of Co 314 on FR

67, T14S, R24E, S12, *Utech* 86-836 (CM-m). **MONROE**: Key West, *Blodgett s.n.* (K,NY-2,US); Pine Key, *Blodgett s.n.* (NY-m); Big Pine Key, *Brown* 132 (PH); l.c., *Cornman* 2126 (PH); S of Pennekamp Coral Reef SP on US 1, Key Largo, *Hall et al.* 1932 (FLAS); Big Pine Key, *Hill* 10984 (GA,GH,ILL,NY); l.c., *Isley* 7815 (ISC) & 8068 (ISC); l.c., *Killip & Swallen* 40345 (UC,US); l.c., Killip 40774 (US) & 43209 (IA); Cedar Key & Biscayne Bay, *Palmer s.n.* (NY); Big Pine Key, *Porter & Porter* 8926 (WTU); l.c., *Robertson* 127 (GH); Boca Chica Key, *Small s.n.* (NY); Big Pine Key, *Small* 3774 (NY); l.c., *Small & Mosier* 6024 (NY-m); Little Pine Key, *Smith & Hodgdon* 3401 (GH); Big Pine Key, *Ward et al.* 4335 (FLAS). **OKALOOSA**: Fred Gannon Rocky Bayou State Recreational Area, E of Niceville, T1S, R22W, S14, *Anderson* 15005 (FSU-m); Deerland, *Ford* 3895 (BM); 2 mi NE of Dorcas, *Ford* 3957 (FLAS); 2 mi S of Holt, *Ford* 4035 (GA); ca 9.5 mi W of jct US 98, SW of Ft Walton Beach, Santa Rosa Isl, T2S, R25W, *Smith* 2045 (FLAS) & 2047 (FLAS); *Tyson s.n.* (GA,KANU); T1S, R23W, S20, *Tyson* 95 (FLAS). **ORANGE**: Clarcona, *Meislahn* 131a (US); l.c., *Pieters s.n.* (MICH). **OSCEOLA**: Bull Cr Mgt. Area, T27s, R34E, S30, *Huck* 1185 (NCU); Kissimmee, 26 Sep 1937, *Singletary* 155 (DUKE) & 1 Jun 1938, *s.n.* (NCSC). **PALMBEACH**: Lk Worth, *Beardslee s.n.* (MU); 2 mi W of Delray Beach, *Fox s.n.* (WVU). **PASCO**: Ehren, T25, R19E, S30, *Lakela & Ruegler* 24241 (MIN); Buena Vista, *Moldenke* 271 (MU); 7 mi on Fla. 54 E of jct Co 587 (Odessa), *Thompson & Nishida* 2877 (CM,GA). **PINELLAS**: W coast of Honkeymoon Isl, *Wagner* 861 (DUKE). **POLK**: nr Arenicola, *Berry* 271 (TENN); Tiger Cr Preserve, *Christman & Dorman* 1921 (FLAS); Ft Meade, *Jennings & Jennings s.n.* (CM); 15 mi S of Winter Haven, *McFarlin* 5562 (MICH); nr Pierce, *Mozingo s.n.* (CM); 8 mi SW of Bartow, *Williams s.n.* (FSU,NCU). **PUTNAM**: Johnson, *Barnhart* 2177 (F,NY); W of Hastings, *Miles s.n.* (NCU). **ST. JOHNS**: St. Augustine, *Degener s.n.* (ILL); *Flint s.n.* (ISC); l.c., *Leeds s.n.* (F); l.c., *Reynolds s.n.* (GH,PENN, US,WECO); l.c., *Rugel* 151 (BM-3); l.c., *Sudworth s.n.* (MICH). **ST. LUCIE**: 10.4 mi S of Ft Pierce, T36S, R41E, S32, *Garland* 819 (FLAS); 3 mi S of N Co boundary on US

1, *Lakela* 25227 (US) & 25228 (US) & 25382 (FSU,NCU,US); St. Lucie R, *Small & Matthaus* 9644 (NY). **SANTA ROSA**: T2S, R27W, S26, *Isley* 6657 (ISC). **SARASOTA**: Keys, Sarasota, *Garber* 671 (F); Sarasota, *Perkins s.n.* (GH); *Rusby s.n.* (NY); SW end of Longboat Key, *Watson* 36 (F). **SEMINOLE**: Altamonte Springs, *Schallert* 13737 (MSC). **SUMTER**: 12 mi SW of Leesburg, *Baltzell* 492 (C); 3.4 mi SW of Tarrytown, *Baltzell* 11680 (FLAS). **SUWANNEE**: 11.2 mi E of Branford, *Duncan & Hardin* 18273 (GA); 6 mi NW of Ft White on CR 238, Ichetuchnee Springs SP, T6S, R15E, S12, *Herring & Amoroso* 273 (FLAS,FSU); *Hitchcock* 3-81 (F) & 3-82 (F); ca 16 mi NW of Lk City, *Pruski & Valliant* 1783 (NY); 0.5 mi E of Ellaville on hwy 90, *Ramsey et al.* 184 (FSU); Suwanee Springs, *Williamson s.n.* (PH). **VOLUSIA**: 1 mi W of US 17 & 92, SW of Enterprise, *Baltzell* 6297 (C); S of New Smyrna on A1A, *Gunn* 3393 (ISC); Blue Springs, *Hood s.n.* (MICH); Orange City, *Hood s.n.* (GA); Seville, *Leeds s.n.* (F); *Richardson s.n.* (ISC); New Smyrna Beach nr Ponce de Leon Inlet, *Rosbach* 1692 (WVA). **WAKULLA**: St. Marks et Ft Leon, *Rugel s.n.* (BM-2). **WALTON**: ca 13 mi NE of Niceville, Elgin Air Force Reservation ca 5 mi E of jct FL 285 on 201, *Beckner et al.* 1436 (FLAS); ca 6 mi W of Portland, Eglin Air Force Reservation, T1S, R21W, S11-12, *Chapman & Smith* 1163 (FLAS); E of Freeport, *Davis & Davis* 12076 (CM); Bay Grove on Loop Rd, *Davis & Davis* 15383 (CM) & 15390 (CM-m); 0.4 mi S of Ala line on Fla 85, *Hudgins* 136 (AUA); 5 mi S of Holmes Co-l, *Isley & Wemple* 9175 (ISC); 0.5 mi E of Bruce on Fla 20, *Moore* 598-69 (AUA); W of De Funiak Springs on I-10, 7.3 mi W of jct US 331, *Urbatsch & Lievens* 6636 (LSU); Indigo Branch of Titi Cr, 3.5 mi S of DeFuniak Springs, 3.5 mi S of Mossy Head, T2N, R21W, S2, *Ward* 7204 (FLAS,NCU); 5.5 mi SW of Mary Head, T2N, R21W, S18, *Ward* 7227 (FLAS); 1 mi E of Gaston, *West & Arnold s.n.* (GH).

GEORGIA. *Boykin s.n.* (PH); central Georgia, *Chapman s.n.* (DPU); *Cooley 16-IV* (MSC); *Harper s.n.* (BM); Onacon, *McCarthy*

s.n. (MSC); mid Georgia, *Porter s.n.* (GH); N Georgia, *Schallert s.n.* (MIN); Latrobe, *Studer* 1835 (BM); *Wray* 2 (PH). **BALDWIN**: cult. Milledgeville, *Hawkins & Lipscomb s.n.* (NCU). **BARROW**: 2 mi W of Winder, *Duncan et al.* 13901 (GA). **BARTOW**: Quicksand Pond, 4.8 mi E35°S of Adairsville, *Duncan & Harris* 12947 (FSU, GA); nr Teresa, ca 4.5 mi SE of Adairsville on Cassville Mt, *Greear* 64354 (NCU); 1 mi N of jct Pauldine & Cobb Co-l, *Waters* 130 (AUA). **BEN HILL**: Ocmulgee R at Red Bluff, N of US 319, *Faircloth et al.* 4634 (GA). **BIBB**: 4 mi W of Macon, *Smith* 1974 (US). **BLECKLEY**: Ocmulgee R, 7.2 mi WNW of Cochran, *Lane Jr.* 3251 (NCSC). **BROOKS**: 10 mi S of Quitman on US 221, *Dowling s.n.* (GA); Withlacoochee R on R Bend Plantation, 12.5 mi SE of Quitman, *Faircloth* 3345 (NCU). **BULLOCK**: btw Blitch & the Ogeechee R, *DeWolf* 1665 (NCU). **BUTTS**: Indian Springs SP, SE of Jackson on GA 42, *Howel* 460 (GA). **CAMDEN**: Little Cumberland Isl, *Sharpe* 323 (GA). **CHARLTON**: Suwanee Canal Recreation Area, Okefenokee Natural Wildlife Area, *Crane & Schoknecht s.n.* (ILL); *Francis Harper* 196 (PH); Chesser's Isl, Okefenokee Swamp, *Jean Harper* 197 (GH,PH); St. Mary's R Swamp below Trader Hill, *Small s.n.* (NY). **CHATHAM**: Thunderbolt, *Crawford s.n.* (GA); 1.5 mi E of Burroughs, *Duncan* 21119 (MISS); N Tybee Isl, *Duncan* 21181 (GA); Tybee Isl, *Grosvenor & Mosz s.n.* (F); Willows Causeway, *Tatum* 98 (GA). **CHEROKEE**: Jug Cr, 2.5 mi N77°W of Canton, *Duncan* 8556 (GA). **CLARKE**: Lumpkin Hill Woods, Athens, *Reade s.n.* (DUKE); Cloverhurst Country Club, Athens, *Reade* E3481 (PENN). **CLAY**: 5 mi N of Ft Gaines, *Moore* 147 (AUA). **COBB**: Kenesaw Mt, *Wall s.n.* (S). **COLQUITT**: E of Ochlochonee R, 0.9 mi W of Maultrie via Ga 37, *Rembert s.n.* (USCH). **COOK**: Little R, 6.6 mi W of Adel at the Cook-Colquitt Co-l, *Faircloth & Dean* 2377 (GA, NCU). **COWETA**: 8 mi W of Newman, *Duncan et al.* 16747 (GA, LSU). **DAWSON**: 2 mi S of Lumpkin Co-l on Chestatee R, *Duncan & Adams* 19050 (GA) & 19226 (C,GA,KANU,MSC,TAES, UC). **DEKALB**: Stone Mt, *Eggert s.n.* (CM, MICH-m,NY); Decatur Waterworks, *Eyler* 2419 (DUKE); Stone Mt, *Small s.n.* (F-2). **EARLY**: 10 mi S of Blakely, *Hardin* 146 (MICH-m); 1 mi W of Sawhathee

Cr bridge & 0.5 mi E of GA 370, ca 2.9 mi S of Hilton, *Sheridan 1617* (GA). **ECHOLS**: 0.25 mi E of Grand Bay Cr, *Duncan & Quarterman 16689* (GA); Little R 7 mi SE of Lk Park, *Faircloth & Dean 2241* (GA,NCU). **ELBERT**: N of GA 172 nr Broad R, *Coile & Coile 1482* (NCU); Broad R N of bridge on GA 172, *Coile & Bates 1985* (GA-m); Richard B. Russell Dam and Lk Area, ca 1 mi N of Ga 72 Savannah R bridge, *Douglas et al. 1498* (GA,NCU,NY, USCH). **EMANUEL**: 14 mi S of Swainsboro, *McKay s.n.* (GA). **FANNIN**: 1.8 mi SW of Mineral Bluff nr Toccoa R, *Bozeman 8087* (NCU). **FRANKLIN**: Middle Fork Broad R, 4 mi S of Carnesville, *Duncan 11300* (GA). **FULTON**: College Park, *Schallert 727* (BM); S Atlanta, *Scheer E3482* (GA). **GILMER**: 2 mi ESE of Ellijay, *Duncan 18106* (GA); Hwy 282 from Ellijay, ca 4 mi E of US 411, *Rogers 41852* (TENN). **GLYNN**: Jekyll Isl, *Bhattacharyya & Mody s.n.* (GA); Sea Isl, *Duncan 11848* (GA-m); Jekyll Isl., *INPR 36* (GA); l.c., *Utech 86-887* (CM). **GRADY**: Birdsong Nature Center, ca 5 mi SW of Beachton, *Anderson 14458* (FSU). **HARRIS**: 1 mi from West Point exit on North 85, *Dawn 179* (AUA); Standing Bay Cr N of campus, *Hardin 279* (MICH). **HOUSTON**: S of Perry, *Bourdo 11574* (MSC); 7 mi S of Perry, *Duncan & Hardin 18137* (GA-m); Elko, *Guynn 89* (GA). **JASPER**: Shoal Cr Rest Area, 2 mi N of Monticello on Hwy 83, *Manhart & Stutts 101* (GA,NCU); Monticello, *Porter s.n.* (NY, PH); l.c., N on GA 83, *Stutts et al. 597* (GA-m). **JOHNSON**: Little Ohoopsee R 2.8 mi W of Johnson Co-1 on US 319, *Bozeman & Logue 10738* (NCU); *Harrison 176* (GA). **JONES**: nr Gray, *Cypert 4* (GA); Piedmont Nat. Wildlife Refuge, *Martin 1113* (BM,FLAS); l.c., 6 mi E of Juliette, *Strong & Kelloff 1034* (US). **LANIER**: Alapaha R, 2 mi W of Stockton, *Duncan 16652* (GA); 6 mi N of Stockton, *Faircloth & Norsworthy 2567* (GA,NCU). **LEE**: btw Adams & Rinchafoonee Cr, *Harper 1150* (F,GH,NY,US). **LIBERTY**: Ft Stewart MR, Training Area A-16, *Carter & Lusk 10342* (GA); St. Catherine Isl, *Jones et al. 23857* (GA) & *23997* (KANU). **LINCOLN**: Little R 1.5 mi above Savannah R, *Duncan 9783* (GA,ISC); N of Little R & SE of Lincolnton, *Duncan 9973* (IA); N of Lincolnton, *Duncan*

10010 (DUKE). **LONG**: Ft Stewart MR, Training Area D12, *Zebryk 319* (GA). **LOWNDES**: NW Valdosa, *Faircloth 4583* (GA, NCU). **MACON**: *McCarthy s.n.* (MSC). **MADISON**: S Fork Broad R, Andrews Mill Shoals 1.75 mi E25°S of Carlton, *Duncan 11636* (GA). **MARION**: Juniper Cr at Juniper, *Duncan et al. 16761* (GA). **MCINTOSH**: Cox, *Abraitys s.n.* (GA); 1.1 mi E of Ft Barrington, *Bozeman 1109* (NCU); SE of Crescent, *Duncan 17261* (GA); Sapelo Isl, *Duncan & Hardin 17973* (IA, NCSC); l.c., *Duncan 20178* (DUKE,F,GA,GH,ISC, MICH,MISS,NCU,UMO); l.c., *Gillis 3963* (GA); l.c., *Hardin 189* (MICH); l.c., *Jones 23222 et al.*(GA) & *23241* (GA); l.c., *Kirkland et al. 020* (AUA); l.c., *Knotts 257* (AUA); 2 mi E of jct Hwy 17 on 131, nr Harris Neck Wildlife Refuge, *Taylor 4929* (DUKE). **MITCHELL**: 2 mi S of Dougherty Co-1 on GA 3, *Bozeman 5148* (NCU). **MONROE**: Rum Cr Wildlife Mgt. Area on GA 18, *Payne & Payne s.n.* (GA). **MORGAN**: Lk Brantley spillway, Hard Labor Cr SP, 2 mi N of Rutledge, *Hill 654* (GA, NCU). **MURRAY**: Jacks R upstream from confluence with Conasauga R, *Wofford & Patrick 81-22* (TENN). **OGLETHORPE**: 7 mi N of Lexington, *Cronquist 4600* (GA-m,GH,MO,US-m; non NY,US). **PEACH**: 1.5 mi N of jct GA 49 on I-75 nr Bryon, *Gillis 6558* (MSC); Ft Valley State College, *Joyner s.n.* (GA); Hollan Rd N of GA 341, 6 mi W of Perry, *Payne & Payne s.n.* (GA). **RABUN**: W Fork Chattooga R, 0.2 mi SE of Pine Mt on GA 28, *Bozeman 7658* (NCU); Chattooga R N of Russell Bridge, *DuMond 1319* (NCSC) & *1495* (NCSC); Laurel Cr Olivine Deposit, 1.5 mi E of Pine Mt, *Radford s.n.* (NCU); Tallulah Falls, *Small s.n.* (F) **RANDOLPH**: 8 mi N of Cuthbert, *Duncan 6826* (GA). **RICHMOND**: 2.6 mi N of jct US 1 on US 25, *Duke & Ahles 2030* (NCU); Augusta, *Wray 2* (PH). **SPAULDING**: nr Griffin, *Haltern s.n.* (GA). **STEPHENS**: Panther Cr, *Fitzgerald s.n.* (GA). **SUMTER**: Americus, *Harper s.n.* (BM); 2.6 mi E jct with Ga 49 on Ga 308, *Rembert s.n.* (USCH). **TALBOT**: 2.1 mi E of Geneva, *Duncan et al. 16773* (LSU); 4.6 mi E of Geneva, *Duncan 16776 et al.* (GA). **TALIAFERRO**: 3 mi N of Sharon, *Duncan 11387* (GA). **TAYLOR**: 0.5 mi W of Butler, *Duncan & Hardin 13611* (GA-m); 10 mi S of Butler, *Duncan et al. 13987* (GA,MISS).

TELFAIR: Turnpike Cr, 7.7 mi S of McRae, *Duncan et al. 16923* (GA). **THOMAS:** Mt Pisgah P.B. Church on Little Ochlocknee R, 3.1 mi E of Ochlocknee, *Faircloth 2785* (GA,NCU); Wade Tract, Tall Timber Research, Inc., *Godfrey s.n.* (FSU); Thomasville, *Harrison s.n.* (GH); 2.6 mi S of Thomasville on US 19, *Wooten 441* (GA). **TIFT:** Ty Ty Cr, 0.9 mi W of Ty Ty, *Duncan et al. 17088* (GA). **TWIGGS:** Griswaldville LTA, Ga. Pacific Co. 843A, *Govus 779* (GA). **WAYNE:** 1 mi NE of Jesup, *Duncan 17186* (GA). **WILKES:** 0.75 mi S of Washington, *Duncan 11377* (GA,GH,NCSC,TENN). **WORTH:** 3 mi W of Sylvester, *Duncan & Hardin 13642* (GA); 0.7 mi W of Turner-Worth Co-1 on GA 33, *Faircloth & Tyson 3818* (GA,NCU).

KENTUCKY. WAYNE: Beaver Cr Sw of Monticello, *Smith & Hodgdon 3878* (GH,NY,US).

LOUISIANA. Drummond s.n. (E,US); *Hale s.n.* (GH,K,NY,PH); *Hale & Mead s.n.* (F); *Neah s.n.* (GH); *Tainturier s.n.* (PH). **ALLEN:** Castor Cr, ca 5.5 mi E of Oberlin, T5S, R3W, S8, *Allen 10985* (LSU). **ASCENSION:** Amite R, 25 mi SE of Baton Rouge, *McCory & Cochran s.n.* (LSU). **BIENVILLE:** Jackson Bienville Wildlife Mgt. Area, *Ruhe 75-24* (LSU). **BOSSIER:** Byrne Rd, Barksdale AFB, 1 Jun 1974, *Balogh 84* (ILL) & 13 Jun 1975, *84* (NCU); Survival Gate Rd, Barksdale Air Force Base, *Balogh 122* (NCU); nr Bellevue, *Brown 6071* (LSU-m); 5 mi E of Hwy 71 on Hwy 612, *Robinette 163* (LSU). **CADDO:** E of Blanchard, S of Hwy 538, *Barr 17* (LSU); nr Mica, *Penn s.n.* (NCU). **CALCASIEU:** Lk Charles, *Daves s.n.* (F). **CALDWELL:** 2 mi SE of Copenhagen & LA 849, T21N, R4E, S23, *Thomas & Brode 4556* (TENN); S of Columbia & Ouachita R on US 165, T13N, R4E, S20, *Thomas 107654* (ISC). **CAMERON:** 2 mi E of Holly Beach, *Chabreck 20* (LSU); W of Mementau R Bridge, jct Hwy 82 & Co 217, *Harrison s.n.* (LSU); 3.3 mi E of Holly Beach on LA 27/82, *Lievens et al. 1290* (LSU); Cameron, *Tracy s.n.* (BM,MIN,NY). **CATAHOULA:** 5 mi NWN of Sicily

Isl town, Sicily, Isl, T10N, R7E, S3, *Allen 2136* (LSU); Norris Springs, T10N, R7E, S41, *French & Laird 258* (UMO); 3 mi W of Harrisonburg, *Thomas et al. 3991* (NCU); btw Harrisonburg & Rosefield, *Thomas et al. 10871* (KANU,TENN,WTU). **CLAIBORNE:** ca 3 mi SSW of Colaut, T22N, R6W, S9, *Allen 8399 & Vincent 1723* (DUKE,FLAS,GA,WVA); 1.7 mi W of Athens & 2.9 mi N, *Haynes 5304* (LSU). **DESOTO:** S of Mansfield, *Hester 410* (LSU). **EASTBATON ROUGE:** Capital Knight, *Brown 1109* (LSU-m); 1 mi W of Port Hudson, *Brown 1410* (LSU); btw Comite R & Amite R, *Brown 2533* (MICH); Tupole Swamp, 5 mi S of Baton Rouge, *Brown 7815* (LSU); Port Hudson, *Featherman s.n.* (LSU); Baton Rouge, *Givens 2813* (LSU-m); l.c., *Gonella 4* (LSU-m); SE of l.c., *Herndon 2773* (LSU); 3 mi S of Baywood, *Richardson 642* (ILL); Baton Rouge, *Self 9* (LSU); l.c., *Tucker 24887* (LSU-4,m). **EAST FELICIANA:** 4 mi E of Clinton, *Brown 5692* (LSU); Thompson Cr, W of Norwood, *Brown 21033* (LSU); 1.9 mi SW jct 952, 6 mi N of Jackson, *Bulat 81* (LSU); 1.8 mi E of LA 67 on rd to LSU Idlewild Exp. Farm, T3S, R2E, S46, *Hoar 71* (LSU); jct Beaver Cr & LA 592, 3.9 mi N of Jackson, *Ziser & Luckner 128* (LSU). **GRANT:** 4 mi ENE of Colfax, T7N, R3W, S35, *Allen 7059 & Vincent 90* (DUKE); vic Dry Prong and Williana, *Ethridge s.n.* (LSU); Kisatchie For, DryProng Tract Com. 23, *McKellar 325* (LSU); 4 mi ENE of Colfax, T7N, R3W, S35, *Vincent & Allen 90* (GA-m). **IBERIA:** Avery Isl, *Correll & Correll 9497* (DUKE); Weeks Isl, *Thieret 15997* (US). **IBERVILLE:** 2.5 mi E of hwy 30 via hwy *Miller 5* (LSU). **JEFFERSON:** Grand Isl, *Chabreck 60* (LSU); l.c., *Congemi & Andrus 7* (LSU); l.c., *Darwin et al. 2869* (NCU,NY); Lafitte on hwy 45, *Montz & Baehr 4609* (LSU); Grand Isl, *Montz et al. 5318* (LSU). **JEFFERSON DAVIS:** to Jennings on US 90, *Hestor 735* (LSU). **LAFAYETTE:** Vermilion Bayou Woods N of Coonville Bridge, *Claycomb s.n.* (LSU); 0.2 mi W Alonda Dr. from jct Arlette Dr., *Jenevein s.n.* (LSU). **LINCOLN:** 1 mi E of Ruston, *Class s.n.* (TEAS-m); 1 mi E of Grambling, *Corbin 81* (CM); Rustin, *Hess & Dunn 1023* (UMO); 2 mi W of Ruston, T18N, R3W, S21, *Moore 6177* (GH). **LIVINGSTON:** Denham Springs, *Durand 11* (LSU); 5.5

mi SW of jct I-12 & LA 447, *McReynolds 7950* (LSU); Denham Springs, *Montz 5806* (LSU) & *6311* (LSU). **MOREHOUSE**: 2.3 mi E of LA 591 on LA 834, W of Jones, T23N, R6E, S10, *Dixon 3874* (F). **NATCHITOCHE**S: SW of Natchitoches Nat History Reservation, Northwestern State College, *Harms 6375* (SASK); *Palmer 7943* (PH,TENN); E of Creston on LA 156, T12N, R6W, S31, *Thomas 126566* (NY,TENN). **ORLEANS**: New Orleans, *Drummond s.n.* (E) & 88 (CGE-2); l.c., *Gaumer s.n.* (K). **OUACHITA**: 4.6 mi S of Union Parish on LA 15, *Isley et al. 10551* (ISC); E of Monroe, *Thomas et al. 3735* (A, CM, ISC,NY, TENN); Jim Reeves Rd S of Iuna nr LA 846, *Thomas 3896* (NCU). **PLAQUEMINES**: Breton Isl, *Lloyd & Tracy 196* (BM,CM,F,GH, MIN,MSC,NY); Chaudeleur Isl, *Tracy 4846* (F,KANU,MICH,MO,MSC; non NY). **RAPIDES**: nr Bayou Boeuf, *Anonymous s.n.* (WTU-m); N Pineville, *Correll & Correll 9924* (DUKE, GH); Alexandria, *Hale 319* (NY); Hot Wells, *Hunter s.n.* (LSU); 0.25 mi E of US Vet Hospital [Pineville], *Smith s.n.* (LSU-m); Pineville, *Smith 6* (LSU). **RICHLAND**: Rayville, *Ball 37* (NY,US). **ST. HELENA**: 5.5 mi E of Greensburg, T2S, R6E, S26, *Allen 946* (LSU); 3.4 mi S of Pine Grove, T4S, R4E, S56, *Allen 956* (LSU); 3.9 mi N of jct LA 63 on LA 16, N of Denham Springs, *Lievens & Gregory 1436* (LSU); NE of Greensburg, T2S, R6E, S49, *Lievens & Gregory 1444* (LSU). **ST. MARTIN**: nr St. Martinville, *Hester 656* (LSU). **ST. TAMMANY**: Covington, *Anect 94* (ILL); l.c., *Arsène 11357* (US) & *11359* (NY) & *11462* (US-m) & *11470* (LSU-m); Crawford's Corner, *Bougere 353* (LSU-m); 5 mi N of Florenville, *Bougere 1217* (LSU); E of Slidell, *Darwin & Sunnell 654* (NCU); Covington, *Drummond s.n.* (BM); 3 mi N from I-12 toward St. Tamman, then 2.1 mi E, T9S, R12E, S26, *Urbatsch et al. 5614* (LSU); ca 1 mi W of Talisheek on LA 435, T6S, R13E, S9, *Vincent et al. 2618* (FLAS,GA,NCU). **TANGIPAHOA**: E of Hammond, *Brown 21049* (LSU); 3 mi W of Hammond, *Craven 123* (LSU); 2 mi E of Hammond, *Wilson 364* (LSU). **TERREBONNE**: lower Terrebonne, *Wurzlow s.n.* (LSU). **UNION**: 2.5 mi SW of Spencer, T20N, R3E, S8, *Thomas et al. 3583* (NCU). **VERMILION**:

nr Perry, *Hester 695* (LSU). **VERNON**: Camp Polk S of Leesville, *Brown 20671* (LSU). **WASHINGTON**: 5.5 mi N of LSU Forestry Camp, *Allen 183* (LSU); T15, R11E, S24, *Henderson 260* (AUA); 2 mi W of Sheridan on LA 10, T2S, R11E, S24, *Howard 19* (LSU); 2 mi SW of Enon, *Thieret 27079* (GA). **WEST FELICIANA**: 5 mi NNW of Jackson, T2S, R1W, S7, *Curry et al. 3* (LSU); Tunica Hill on rte 66 nr Weyanoke, *Henry s.n.* (CM); Catalpa, *Pennell 4328* (NY, PENN); T3S, R1W, S71-72, *Standifler 29* (LSU) & *30* (LSU). **WINN**: ca 1 mi W of Wheeling & LA 34, *Middlebrooks & Garner s.n.* (NCU).

MARYLAND. *Canby s.n.* (MICH). **CALVERT**: 2 mi S of Deep Landing on Patuxent R, *Sipple 1727* (PH). **PRINCE GEORGE'S**: Marlboro, *Allard 12140* (ISC); Dunn, *Edwards s.n.* (WELC); Patuxent nr Marlboro, *Ward s.n.* (ISC). **QUEEN ANNE'S**: nr Chestertown, 12 Aug 1903, *Vanatta s.n.* (PH) & 11 Aug 1905, *s.n.* (PH). **WICOMICO**: Salisbury, *Canby s.n.* (UC) & Sept, *s.n.* (F) & 1863, *s.n.* (GH) & Sep 1867, *s.n.* (NY) & Sep 1870, *s.n.* (NY); l.c., *Carter s.n.* (PH-2); l.c., *Commons s.n.* (NY); l.c., 26 Aug 1867, *Moyer s.n.* (GH) & 30 Aug 1867, *s.n.* (MICH); 1 mi N of Salisbury, *Tatnall 4559* (PENN); Salisbury, *Wherry & Pennell 12811* (PH). **WORCESTER**: Snow Hill, *Bebb s.n.* (F); l.c., Sep 1863, *Canby s.n.* (NY,PH) & Oct 1863, *s.n.* (MSC); Pokemoke R 3 mi SW of Snowhill, *Gleason s.n.* (DUKE); Ferry Cr Woods, *Redman 364* (MICH); Snow Hill, *Shreve & Jones 1097* (US); l.c., *Snorton s.n.* (NY); 3.25 mi S of Snow Hill on Rte 113, *Tatnall 3005* (GH, PENN,PH).

MISSISSIPPI. **ADAMS**: nr Natchez, *Gale 160* (F); 1 mi S of Natchez on US 61, *Henderson s.n.* (ILL); ca 5 mi SE of Natchez, *Jones 10118* (MISS). **ALCORN**: nr Cornith, *Stewart s.n.* (F). **AMITE**: Homochitto NF N of Gloster on hwy 33, *Brown 21594* (LSU). **ATTALA**: Natchez Trace Pkwy, *McDougall 1405* (US); 2.7 mi SE of Attala-Carroll Co line via hwy 35, *Pullen 691021* (MISS). **BENTON**: 1.5 mi E of Marshall-Benton Co-l on hwy 4, *Pullen 641280* (MISS). **CALHOUN**: 4.5 mi SE of Lafayette-Calhoun Co-l via hwy 9W,

Pullen 64849 (MISS-m) & *70662* (MISS); ca 2 mi W of Banner, *Pullen 7124* (MISS). **CARROLL**: ca 10 mi SE of Greenwood, *Pullen 66774* (MISS); 8.4 mi S of Holcomb on hwy 35, *Pullen 701104* (MISS). **CHICKASAW**: Tombigee Nat. For, 2.1 mi W of Houlke, *Pullen 67976* (MISS). **CLARKE**: Clarke Co SP, *Jones 7170* (MISS); nr Chickasawhay R S of Waynesboro, *Jones & Hudson 7676* (MISS-m). **COPIAH**: S of Rockport on hwy 27, *Jones 8836* (MISS); 1.2 mi N of Lawrence Co-1, S of Rockport, *Jones 9908* (MISS) & *9908.1* (MISS) & *14381* (MISS). **COVINGTON**: jct hwy 37 & 84, S of Hot Coffee, *Jones 7918* (MISS-m). **FORREST**: jct hwy 11 & 49, *Coward 47* (WVA-m); 12.8 mi S of Hattiesburg, *Hillman 26* (AUA); WSW Hattiesburg at jct hwy 11 & 49, *Jones 3190* (FSU); Ragland Hills, *Rogers 3775* (MISS); Phillips Farm, 2 mi N of Hattiesburg, E of Hwy 49, *Rogers 6542-B* (NCU); Hattiesburg, *Urbatsch et al. 6246* (LSU-2). **FRANKLIN**: 3 mi from Roxie on US 84, *Gillis 5974* (MSC); 6 mi ENE of Bude, *Jones & Carter 7450* (MISS); Clear Springs RA, *Jones 10067* (MISS). **GEORGE**: 3.5 mi E of Lucedale on hwy 98, *Jones 6955* (MISS-m). **GREENE**: 2 mi SE of Leaksville on hwy 63, *Jones 8426* (MISS). **HANCOCK**: Bay St. Louis, *Allison s.n.* (MISS); Jordan R S of Kiln, *Jones & Jones 9544* (MISS) & *14138* (MISS-m). **HARRISON**: Deer Isl, *Brooks & McDaniel 436* (FSU); Biloxi, *Demaree 28339* (GH,ISC); Henderson Point, Pass Christien, *Demaree 32767* (ISC); Ship Isl nr Biloxi, *Demaree 35804* (GH,ISC); Tchoutacabouffa R, 3.2 mi N of D'Iberville, *Jones & Catchot 17373* (MISS-m); Gulfport, *Lloyd & Tracy 167* (NY); Black Bay, Biloxi, *Macfarlane & Goertz s.n.* (PENN-6); Tracy's Point, Biloxi, *Macfarlane s.n.* (PENN-2,m); West of Bay, Biloxi, *Pennell 4396* (MICH, NY,PENN,PH); Biloxi, *Pollard 1148* (NY) & *1149* (F,NY, US); Gulfport, *Reed 123* (FSU); Biloxi, *Seymour s.n.* (FSU-m); Cat Isl, *Seymour et al. 9195.97* (DUKE); Biloxi, *Tracy 3562* (NY) & *4847* (BM,CM,PENN,TAES, UC) & *6331* (US). **HOLMES**: 2.2 mi W of Lexington, *Pullen 691107* (MISS). **ITAWAMBA**: 6 mi S of Fulton via hwy 25, *Pullen 66999* (MISS). **JACKSON**: 1 mi N of Moss Point on Miss. 63, *Channell 1651* (US-

m); Red Cr nr Vancleave, *Demaree 28306* (ISC); Escatawpa, *Demaree 32313* (DUKE,ISC); Ocean Springs, *Demaree 32777* (DUKE,ISC,MISS); P.O. Pascagoula, Petit Bois Isl, *Demaree 33536* (FSU,GH,ISC,NCU); Round Isl, *Diener 1171* (ILL); Ocean Springs, *Earle s.n.* (CM); Cedar Point at E end of Davis Bayou, 3 mi SE of Ocean Springs, *Jones & Catchet 17298* (NCU); Mississippi Sound, 4.3 mi SSE of Fountainbleau, *Jones 17631* (MISS); 0.5 mi E of Vancleave, *Lowe 204* (GA); Tracy's Point, Ocean Springs, *Macfarlane s.n.* (PENN); ca 7 mi SW of Gautier, *Rickel 48* (AUA); Ocean Springs, 31 Aug 1891, *Seymour & Earle 47* (DUKE,F,GA, GH,NCU) & 1 Sep 1891, *47* (F, GA,GH,IA, ILL,KANU,MSC) & 28 Aug 1891, *47a* (FSU,KANU, NCU) & 22 Aug 1891, *47c* (UC) & 7 Sep 1891, *47d* (TENN) & 14 Sep 1891, *47e* (ARIZ,ISC-m, MIN,NY) & 9 Sep 1891, *47f* (ARIZ,MIN); l.c., *Skehan 22624* (GH-m,ILL-m); Point St. Martin, *Tracy 4847* (F, KANU,MICH, MSC, NY). **JASPER**: S of Paulding, *Jones 12934* (MISS). **JEFFERSON**: 5 mi NNW of Church Hill, *Jones & Noble 10215* (MISS); Natchez Trace Pkwy, *McDougall 1028* (US). **JEFFERSON DAVIS**: Melba, *Jones 5956* (MISS-m); SE of Bassfield on hwy 42, *Jones 9892* (MISS); 2.8 mi N of Lamar-Jefferson Davis Co-1 on hwy 42, *Jones 14295* (MISS-m). **JONES**: Point Laurel, T7N, R10W, S6, *Jones & Jones 6696* (MISS); 6 mi E of Laurel at Boguehoma Lk, *Teer s.n.* (NCU). **KEMPER**: E of Scooba, *Jones 14956* (MISS-m); 2 mi N of Kemper-Lafayette Co-1 off Hwy 45, *Musselman 1211* (NCU); 5.5 mi NW of DeKalb on Miss. 397, *Temple 6000* (GA,MISS-m). **LAMAR**: 3.5 mi W of Hattiesburg, *Jones 2137* (NCU); Bass Memorial Academy, *Keller s.n.* (MISS). **LAFAYETTE**: 12.5 mi NE of Oxford, *Pullen 641236* (MISS-m); Thacker Mt ca 6 mi S of Oxford, *Pullen 701169* (MISS). **LAUDERDALE**: 5.2 mi N of Meridian on US 45, *Isley & Wemple 9088* (ISC); Toomsula, *Jones 7109* (MISS); 0.4 mi W of Ala. & E of Lauderdale, *Jones 9146* (MISS). **LAWRENCE**: Verna, *Holt 33* (US); Pearl R at Monticello on hwy 84, *Jones 7730* (MISS); Pearl R E of Monticello, *Jones 10011* (MISS, NCU); 2 mi N of Monticello on hwy 27, *Jones 14375* (GA,MISS). **LEE**: Tombigbee SP, *Bishop 194* (MISS) & *Bishop 220* (MISS); l.c., *Pullen*

65109 (MISS,NCU). **LINCOLN**: 2 mi W of Lawrence-Lincoln Co-I, E of Brookhaven, *Jones & Remfrey 12813* (MISS). **MADISON**: Ross Barnett Reservoir at Waterfowl Refuge, 14 mi SW of Canton, *Jones 19431* (MISS-m). **MARION**: W of Sandy Hook on hwy 48, *Brown 20610* (LSU-m); Hugh White Game Mgt. Area, *Jones et al. 6544* (MISS); Columbia, *Jones 8521* (MISS); Red Bluff E of Pearl R, *Rogers 45343* (TENN-m). **MONTGOMERY**: 5.1 mi E of Duck Hill on hwy 404, *Pullen 701005* (MISS). **PANOLA**: Tocowa, 9 mi S of Batesville, *Anderson 2016* (PENN-m). **PEARL RIVER**: 1 mi N of Picayune on Hwy 11, *Bollwinkel & Wunderlin s.n.* (SIU); Hwy 11 nr Picayune, *Darwin & Sundell 593* (NCU); 10 mi SE of Poplarville on MISS 53, *Isley & Wemple 9106* (ISC-m); hwy 43 N of cross-roads, *Jones 8659* (MISS-m); 7 mi SSW of Poplarville btw hwy 159 & 11, *Jones 9857* (MISS); McNeill, *Reed 108* (LSU) & *116* (LSU). **PERRY**: 5 mi E of Runnelstown, *Jones 9593* (MISS); Miles Branch RA nr Leaf R, W of New Augusta, *Jones & Jones 13055* (MISS); New Augusta RA, *Jones 14621* (MISS-m); 1 mi NW of Beaumont, *Mathis 166* (MISS). **PIKE**: Percy Quinn SP, *Jones 9307* (MISS-m); l.c., *Jones & Jones 19550* (MISS); Lk Tangipahoa Dam, l.c. SW of McComb, *Jones et al. 20070* (MISS-m). **PONTOTAC**: Trace SP, 20 Jul 1993, *Hunneycutt & Floyd s.n.* (MISS) & 27 Jul 1993, *s.n.* (MISS); Pontotac Ridge, *Hunneycutt & Floyd s.n.* (MISS); 12 mi S of Tupelo on Natchez Trace nr Troy, *Montz et al. 4857* (LSU); ca 2 mi S of Pontotoc via hwy 15, *Pullen 69995* (MISS). **PRENTISS**: 4.0 mi E of Baldwin on hwy 366, *Pullen 68203* (MISS). **SCOTT**: Harrell Prairie Hill, *Jones & Mills 3362* (MISS); l.c., Bienville Nat. For, *Jones 17042* (MISS-m); Bienville Nat. For at Forest on I-20, *Thomas 141298* (TENN). **SIMPSON**: btw Magee and Martinville, *Jones 8288* (MISS). **SMITH**: Shangelo RA N of Raleigh, *Jones 8192* (MISS) & *10799* (MISS); l.c., *Jones & Jones 13799* (MISS). **STONE**: McHenry, *Demaree 32582* (ISC-m); Univ. of Mississippi For Hdqr, *Pullen 641035* (MISS-m). **TISHOMINGO**: Mill Cr Cabin Area, *Coleman 48456* (TENN); Bear Cr Swamp, 5.2 mi NE of Belmont, *Pullen 661079* (MISS-m); Tishomingo SP, *Searcy 699*

(MISS). **UNION**: *Speck 301* (MISS). **WALTHALL**: Salem, 9 mi N of Tylertown, *Jones 8765* (MISS-m); 3.3 mi W of Tylertown on hwy 98, *Jones 9212* (MISS). **WAYNE**: Chickasawhay R ca 4 mi NNW of Waynesboro, *Jones 9681* (MISS). **WEBSTER**: 3.5 mi N of Maben, *McDaniel 2000* (NY). **WILKINSON**: N of Gloster on hwy 33, *Brown 18677* (LSU-m); 1 mi N of Louisiana on hwy 19, *Ginn 20* (LSU); 8 mi SE of Doloroso on Rte. 61, *Henry s.n.* (CM); btw Woodville & Lessley, *Jones & Carter 7607* (MISS-m); Ft Adams, *Jones et al. 13521* (MISS) & *20160* (GA); 5 mi N of Woodville, *Montz 1185* (LSU); Clark Cr, *Pruski 1104* (LSU,NY); Clark Cr, Tunica Hills Waterfall, *Pruski 1875* (NY). **WINSTON**: Nanih Waiya SP, SSE of Louisville, *Jones et al. 18179* (MISS). **YAZOO**: Yazoo City, *McDaniel & Hogue 1280* (NY).

MISSOURI. SHANNON: 7-2-1886, *Tracy s.n.* (MO).

NEW JERSEY. CAPE MAY: Wildwood, *Boice s.n.* (NY); Anglesea, 11 Aug 1889, *Brinton s.n.* (PENN) & 27 Jul 1890, *s.n.* (F,NY,PENN-2,PH) & 18 Aug 1890, *s.n.* (F) & *s.n.* (GA, PENN) & 2016 (WTU-2); l.c., 24 Jul 1892, *Brown s.n.* (PH) & 10 Sep 1911, *s.n.* (PH) & 22 Jul 1924, *s.n.* (PENN) & 4419 (PENN,PH); Fishing Creek, *Brown s.n.* (PH); Wildwood Crest, *Brown s.n.* (PH); Anglesea, Sep 1891, *Crawford s.n.* (F,GH,PH) & Sep 1894, *s.n.* (MICH, MIN,PENN); l.c., *Griscom et al. 10526* (GH,VPI); l.c., 29 Aug 1890, *Heritage s.n.* (DUKE,MSC,NY-2) & 24 Jul 1894, *s.n.* (ILL, PH) & 8 Aug 1894, *s.n.* (ILL); l.c., 30 Jul 1898, *Jahn s.n.* (CM,PH-2) & 23 Jul 1904, *s.n.* (PH); l.c., *Keller s.n.* (PH); Wildwood, *Keller s.n.* (PH); Anglesea, *Lippincott 32* (GH); Five Mile Beach, *MacElwee 2032* (PH); Wildwood. *Mackenzie s.n.* (DUKE, NY-2, PH); l.c., *Moldenke 4043* (NY); Anglesea, 27 Jul 1890, *Smith s.n.* (NY) & 27 Jul 1889, *2016* (PH); Wildwood, *Steller s.n.* (PH); l.c., *Stone s.n.* (ILL,PENN-3); Wildwood Crest, *Taylor s.n.* (PENN-); Anglesea, *Van Pelt s.n.* (PH). **GLOUCESTER**: cult. Swedesboro, *Lippencott s.n.* (PH). **SALEM**: Salem, *Holmes s.n.* (US).

NEW YORK. cult., Bailey Hort. Gard., Cornell Univ., *Dress 1454* (BM).

NORTH CAROLINA. 1.5 mi N of NC 258 on NC 1309, *Bowers s.n.* (NCSC); *Brown s.n.* (NY); *Curtis s.n.* (GH); region media montanum "Blue Ridge", Aug 1841, *Rugel s.n.* (BM); valle ad Broad R, *Rugel 300* (BM). **ALAMANCE:** Haw R ca 5 mi SE of Saxapahaw, *Bell 4076* (FSU,NCU). **BEAUFORT:** 2 mi E of Washington, *Blair 872* (NCSC) & *901* (NCSC); Bogue Sound, *Harris C19437* (MIN). **BERTIE:** 3.2 mi S of Lewiston, then 1.6 mi W on dirt rd, *Ahles & Duke 46155* (NCU). **BURKE:** Morganton, *Moses s.n.* (NCU); 8 mi SE of Morganton on Rte 18, *Wilbur 4381* (GA,NCSC). **CABARRAS:** 1 mi S of Jackson Training School, vic Concord, *Fox & Whitford 3844* (NCSC); 8.5 mi NW of Concord on Rte 73, *Wilbur 4456* (NCSC). **CARTERET:** Bogue Barrier, 4 mi W of Atlantic City, *Burk et al. b16-19* (NCU); Harker's Isl, *Fox & Godfrey 2699* (ISC, KANU,NCSC, TENN); btw Beaufort & Morehead City, *Gray s.n.* (DUKE,NY); btw Cope Cr and Adam's Cr, *Hill 173* (DUKE); Emerald Isl, Bogues Bank nr bridge on Rte 58, *Keegan 6* (MU); 5 mi N of US 70 on SR 1300, *Kindell 184* (NCSC); 0.7 mi S of Craven Co-1, *Rogers 3156* (DUKE,UC); W of Lk Rd, Croatan NF, *Snyder 1422* (NCU); vic Beaufort nr Morehead City on Rte 70, *Wilbur 5096* (NCSC); W end of Bogue Bank, ca 4 mi W of Emerald Isl, *Wilbur 12343* (DUKE) & *12435* (DUKE); Harker's Isl, *Wilbur 12590* (DUKE). **CATAWBA:** nr Catawba along Catawba R, *Correll 2924* (DUKE); Catawba R, 3.5 mi upriver from Hwy 150 bridge, *McNeely 291* (NCU); 4.5 mi SE of Catawba & 6 mi NE of Newton on Rte 10, *Wilbur 4411* (NCSC). **CHATHAM:** 0.5 mi upriver from Gulf Bridge, *Kessler 581* (MICH,NCU). **CHEROKEE:** Marble, *Cop s.n.* (CM); RR nr US 19, 0.25 mi S of Marble, *Fox 4032* (ISC, NCSC,TENN); nr US 64, 4 mi E of Murphy, *Radford 17475* (NCU); 5 mi E of Murphy, *Wilbur 1239* (DUKE). **CHOWAN:** 1.6 mi E of Bertie Co-1 on US 17, *Ahles & Duke 44010* (WTU); 0.8 mi ENE of Edenton on US 17, *Ahles & Bell 47890* (NCU). **CLEVE-**

LAND: King's Mt, *Correll 2965A* (DUKE); Broad R nr Rte 150, 4 mi S of Boiling Springs, *Fox 671* (NCSC, UC) & *Fox 3913* (GA, NCSC). **COLUMBUS:** RR 1 mi SE of Delco, *Fox 2875* (NCSC,NY, PH); ca 6 mi S of Hallsboro & 5 mi N of Old Dock, *Wilbur 4188* (GA,NCSC). **CrAVEN:** Newbern, *Kearney 1989* (US) & *2189* (ISC, NCSC,US); l.c., *Shimek s.n.* (IA). **CUMBERLAND:** 1.5 mi W of Hope Mills, *Ahles & Haesloop 29748* (CM); 2.3 mi SSE of Roslin, *Ahles & Liesner 33483* (NCU); 3 mi N S of Harnett Co-1, N of Fayetteville, *Fox & Godfrey 2590* (GA,ILL, NCSC); 6 mi SE of Fayetteville, *Fox & Godfrey 2628* (NCSC). **CURRITUCK:** 1.8 mi S of Poplar Beach on rd to Grandy, *Ahles & Duke 48190* (NCU). **DARE:** Kitty Hawk, *Fox 4156* (NCSC,US); l.c., *Godfrey 5268* (GH,US); Nags Head, *Grace s.n.* (TENN); Kill Devil Hills, *Henry s.n.* (CM-m); Roanoke Isl, 12 Jul 1941, *Schallert s.n.* (DPU,NY,UC) & 14 Jul, *s.n.* (NY-2); l.c., *Schallert 727* (C). **DAVIDSON:** Yadkin R on US 29-52-70, *Ahles & Liesner 18713* (NCU); 0.5 mi E of Yadkin R on US Rte 70, *Fox & Godfrey 3140* (MIN, NCSC). **DAVIE:** Yadkin R below Fork, *Correll 2712* (DUKE-m); 9.5 mi E of Mocksville, *Fox 2443* (IA,NCSC); Cooleeewe Plantation, *Hairston s.n.* (NCU); 8 mi SE of Farmington on Rte 801, *Wilbur 4513* (NCSC). **DURHAM:** 2.5 mi N of Weaver, *Ahles & Sears 59951* (NCU); *H.L.B. 3896* (DUKE); Browning's Branch, Duke For, *Oosting 33275* (DUKE); Eno R, *Patten 181* (DUKE); *Wilbur 1037* (MIN,NCSC); Hill For of NC State Univ., ca 1.5 mi E of Quail Roost on NC 1614, ca 15 mi N of Durham by Rte 501, *Wilbur 49147* (DUKE) & *49549* (DUKE); Duke For, 1 mi W of Duke Univ., *Wilbur 49631* (DUKE); Hill For of NC STATE UNIV., ca 1.5 mi E of Quail Roost, E of Flat R on NC 1615, ca 13 mi N of Durham on NC 501, *Wilbur 50200* (DUKE); NC Gamelands Trail, Stagecoach Rd (NC 1107), ca 0.2 mi W of NC 751, Lk Jordan Preserve, *Wilbur 61432* (DUKE). **FOR-SYTH:** 0.7 mi NE of Clemmons on US 158, *Ahles & Duke 49001* (NCU); nr Mt Carmel, *Correll 2686* (DUKE,GH). **FRANKLIN:** 0.8 mi S of Ingleside on NC 39059, *Ahles & Liesner 16450* (NCU); *Patten 136* (DUKE). **GASTON:** nr Gastonia, *Correll 2948* (DUKE). **GATES:** 1.8 mi SSE of Gatesville, *Ahles & Duke 44645* (FLAS); 1.9

mi N of Sandycross, *Ahles & Duke 48301* (NCU); nr Roduco, *Correll 2256* (DUKE). **GRAHAM**: Almond, *Hager s.n.* (NY). **GRANVILLE**: 0.7 mi W of Hester, *Ahles & Leisner 17460* (NCU); Camp Butner, *Batson 984* (DUKE) & *986* (PENN); 1 mi N of Tar R on US 15, *Batson 985* (DUKE); vic Butner, E of Reeds R, *Slapcinsky 368* (NCSC); btw NC 96 and Co 1618, ca 4 mi SE of Oxford City on I-85, *Wilbur 53777* (DUKE). **GREENE**: 1.6 mi SSW of Walstonburg, *Radford 36574* (NCU,UC). **HALIFAX**: 0.9 mi E of Halifax-Warren Co-1, ca 3 mi NE of Littleton, *Ahles & Leisner 16972* (NCU); 2.4 mi W of Weldon on US 158, *Ahles & Leisner 20791* (NCU); Weldon, *Canby s.n.* (F); 1 mi from 561 on SR 1322, Floyd 600 (NCSC-m); 3 mi N of Raleigh, *Fox & Godfrey 2762* (NCSC). **HARNETT**: Avents Cr, 5 mi W of Kipling, *Fox & Godfrey 2569* (NCSC); 0.25 mi S of Pineview on Rte 67, *Channell & Rock 38* (GH-m); 3.4 mi SE of Spout Springs on Rte 87, *Rock & Channell 660* (DUKE). **HERTFORD**: 1.6 mi N of Meherrin R ferry nr jct of Chowan R, *Ahles & Duke 45968* (NCU). **Hoke**: 5.3 mi S of Ashley Heights, ca 6.4 mi W of Timberland, *Ahles & Haesloop 29494* (NCU). **IREDELL**: 2.1 mi S of Long Camp, then 1.4 mi E, *Ahles & Duke 48793* (NCU); Statesville, *Hyams s.n.* (ISC,MIN,MU,NY,OS); nr Hunting Cr & US 64, *Radford et al. 45131* (AUA,MISS,NCU); S of Statesville, *Veerhoff 113* (ISC, NCSC); ca 6.5 mi SW of Statesville on Rte 70, *Wilbur 4422* (GA,NCSC). **JACKSON**: nr Dillsboro, *Alexander et al. s.n.* (NY); Sylva, *Dunham s.n.* (F). **JOHNSON**: Clayton, *Bounds 345* (VPI). **JONES**: nr Carteret Co-1 on rd to Maysville, *Beaven 508* (DUKE); 0.3 mi E of Trenton, *Radford 37177* (NCU). **LENOIR**: 1.5 mi S of La Grange, *Radford 26555* (NCU). **LINCOLN**: Little Cr SW of Cat Square, *Bell 15343* (C,NCU). **MACON**: Aug [18]93, *Anonymous s.n.* (NCU-2); nr Franklin on US 23 towards Otto, *Coker s.n.* (NCU); 4 mi E of Franklin, *Fox & Godfrey 3060* (MICH,MIN-m,NCSC,NY,UC); Franklin, *Johnson 671* (F,WECO); Sep 1842, *Rugel s.n.* (BM); *Rugel 279* (BM). **MARTIN**: nr Jamesville, *Fisher s.n.* (PH); 4.5 mi SE of Hamilton, *Radford 39500* (NCU). **MCDOWELL**: 2.1 mi on NC 26 SE of jct with US

221, *Bell 4517* (NCU); nr Glenwood, *Correll 3146* (DUKE). **MECKLENBURG**: 2.4 mi NE of Cabarrus Co-1 & 5 mi NW on Co Rd, *Ahles & Leisner 16294* (NCU); 3 mi WSW of Cabarrus Co-1 on US 29, then 1.2 mi NW, *Ahles & Duke 49981* (NCU); Mallard Cr Rd (NC 2467), *Matthews s.n.* (GH); 2 mi N of Matthews on hwy 74, *Ramsey 33180* (TENN). **MONTGOMERY**: Yadkin R, S of Baden, *Oosting 1879* (DUKE). **MOORE**: Weymouth Woods SP, *Ahles 63164* (NCU); 2 mi S of Pine Bluff, *Wiegard & Manning 1643* (GH). **NASH**: Tar R ca 1 mi NW of Rocky Mount, *Ahles & Leisner 21289* (NCU); Nashville, *Godfrey 5133 & 5153* (DUKE,GH,US). **NEW HANOVER**: nr Cape Fear R, NW of Carolina Beach, Wilmington, *Bartram s.n.* (MICH,PH); Pembroke Jones Park, Wrightsville, *Bradley et al. 1007* (NCU); lower Cape Fear Peninsula, *Godfrey 6190* (GH,NCSC,US-m); Porters Neck Loop Rd (#1400) N of Ogden, *Sieren 1730* (NCU); Wilmington, Aug 1892, *Williamson s.n.* (PH) & Aug 1900, *s.n.* (PH-m). **NORTHAMPTON**: 0.9 mi SE of Gaston on US 46, *Ahles & Duke 45614* (NCU, NY-m). **ONSLOW**: 2 mi NE of the Pender Co-1 on Rte 210, ca 3 mi NE of Del Mar Beach, *Wilbur & Levy 53697* (DUKE). **ORANGE**: Sandford Hwy ca 3 mi S of Chapel Hill, *Bostick 9* (NCU-3); 2 mi S of Chapel Hill, *Holmgren & Bell 14482* (NCU, NY); Morgan Cr, Hunt Arboretum, *Larke 1381* (NCU) & *1458* (NCU); 2 mi SE of Chapel Hill, *Margolis s.n.* (NCU); cult. Mason Farm nr Chapel Hill, *Mathews s.n.* (NCU); cult. Soil Conservation Service Nursery, Chapel Hill, *Mathews LB1-89* (NCU); New Hope Cr, *Oosting 33279* (DUKE); Eno Division, Duke For, *Palmer 909* (DUKE); Meeting of the Waters, Chapel Hill, *Totten s.n.* (FSU,NCU-2); Duke For Nat Area, 7 mi WNW Duke Univ., *Welch L144* (NCSC) Blackwood Division, Duke For, ca 0.5 mi E of jct NC 87 & Co Rte 1727, *Whigham 1180* (NCU). **PAMLICO**: Neuse R at Wilkerson Point, Minnesot Beach, *Godfrey 48182* (NCSC,NY,PH, TENN,US). **PENDER**: RR 0.8 mi NE of New Hanover Co-1 on US 17, SW of Hampstead, *Ahles & Haesloop 27891* (NCU). **PERQUIMANS**: 1 mi NE of Hertford, *Randolph & Randolph 613* (GH,UC). **PERSON**: Flat R by US 501 S of Timberlake, *Bell 14561* (NCU); 8 mi W of Roxoboro, *Hardin*

905 (NCSC); Flat R, W of Roxburo, *Oosting 33340* (DUKE). **PITT**: Little Contentnea Cr, 9 mi E of Greenville, *Fox 3171* (DUKE, NCSC); Hwy 102 btw Hyw 43 & 17, *Helms 1066* (NCU); 1.5 mi SE of Grimesland on US 264, *Radford 39600* (GH). **POLK**: Green R 0.5 mi W of bridge, Cove Mt, *DuMond 1693* (NCSC); Columbus, Green R, *Townsend s.n.* (WTU). **RANDOLPH**: 9.2 mi SW of Liberty, 0.6 mi NE of Grays Chapel, *Bell 14121* (NCU). **RICHMOND**: 1 mi NE of Osburne, *Duke 1814* (NCU); 3.5 mi NE of Hoffman at Camp Mackall, *Radford 14400* (NCU-m). **ROBESON**: 1.7 mi E of Daystrom on rd to Philadelphus, *Ahles & Leisner 32953* (NCU); 1 mi SSW St. Pauls nr Big Marshy Swamp, *Britt 2265* (USCH); 3 mi SE of Red Springs on hwy 71, *Smyth 6127* (AUA). **ROWAN**: Yadkin R above NC Rte 49 bridge, *Fox 4992* (NCSC); Salisbury, *Heller 35* (F,MIN-2,NY,PH-2,UC); RR, Yadkin R NE of Spencer nr US 29, *Radford 14247* (NCU); vic Heilig's Mill, *Small & Heller s.n.* (F-2 sh,ILL, MSC,PH,WTU); vic Faith Post Office, *Small & Heller s.n.* (F). **RUTHERFORD**: S side Lk Lure, *Fox & Godfrey 2974* (NCSC); Broad R below US 221 bridge, SE of For City, *Fox 5285* (NCSC). **SCOTLAND**: 2.7 mi WNW of Laurel Hill on US 74, *Ahles & Leisner 32814* (NCU); jct City Limits St. & NC 381, Gibson, *Sharp 1777* (NCU). **STANLY**: Morrow Mt SP, 7 mi NE of Albemarle, *Morgan 1370* (NCU). **STOKES**: 2 mi E of Sandy Ridge, *Hardin 894* (NCSC); 1.3 mi ENE of Pine Hill, *Radford 37686* (NCU). **SURRY**: ca 2 mi NE of Dobson on Rte 601, *Wilbur 4225* (NCSC). **SWAIN**: Aug 1891, *Beardslee s.n.* (MU) & 10 Aug 1891, *s.n.* (NCSC,UC); Great Smoky Mt, *Beardslee & Kofoid s.n.* (CM,F,GH,ILL-2, MICH-2,MIN-2,MSC,MU-3,NY-2,PH,TENN,UC,WTU-2,WVA); Whittier, *Core s.n.* (NY, WVA); nr Bushnell, *Correll 3749* (DUKE); 1.5 mi S of Lauada nr NC 28, *Radford 17244* (NCU). **UNION**: btw Stallings & Weddington nr Mecklenburg Co-1, *Ahles & Haesloop 31369* (NCU). **WAKE**: Camp Durant, Neuse, *Antonio 112* (MU); Raleigh, *C.S.B. s.n.* (NCSC); *Bartley & Pontius 444* (NY-m); Carl Alvin Schenck For, W Raleigh, *Fantz 5932* (GA); Temple Flat Rock NW of Knightdale, *Fantz 6467* (FLAS,NCSC,SASK);

McCullers, *Godfrey 4951* (GH-m); Raleigh, *Hyams s.n.* (UC); Yates Pond, 5 mi SW of Raleigh, *Ittenbach 393* (NCSC); 1 mi E of Neuse R, *Pultorak 186* (NCSC); Raleigh, *Pultorak 1278* (NCSC); Umstead SP, *Sawyer 1188* (NCU,USCH); i.c., *Sawyer & Ahles 1485* (USCH); McCullers, *Shaw s.n.* (NCSC); Camp Durant, *Skean 520* (NCSC) & *554* (GH); Umstead SP at the Ebenezer Church Rd entrance to Crabtree Cr Stone Bridge, N Raleigh W of Rte 70, *Wilbur 48886* (DUKE); Raleigh, *Wyland s.n.* (NCSC). **WASHINGTON**: ca 4.5 mi NE of Pantego on Rte 99, *Wilbur 4002* (NCSC). **WARREN**: 3 mi from Macon, *Scholz s.n.* (NCU). **WAYNE**: Neuse SP, *Bruton 365* (NCSC); E of Goldsboro, *Fox & Godfrey 2658* (NCSC); Neuse SP, *Fox et al. 4328* (NCSC); i.c., *Gillespie CP36* (NCSC). **WILKES**: ca 10 mi SE of Wilkesboro on rte 115, *Wilbur 4301* (FSU,GA,NCSC). **WILSON**: 2 mi from Evandale on rd 1622, *Batts s.n.* (OSC); 7 mi W of Sims, *Fox 3158* (KANU,NCSC,NCU); 0.5 mi NW of Sims on US 264, *Radford 38017* (GA-m).

OKLAHOMA. CHOCTAW: nr Grant, *Houghton 4021* (GH,MO, NY); Swink Bog #2, 4 mi N of Swink, *Magrath 11952* (ILL); 7 mi S of Antlers, *Waterfall 12435* (GH). **MARSHALL**: Cowan Cr Valley, 1 mi W of Willis, *Goodman 6653* (ILL,WTU). **MCCURTAIN**: 5.5 mi SE of Eagleton on OK 24 to Otis, Arkansas, *Hess & Stoyhoff 6183* (GA, NCU); 2-3 mi E of Idabel, *Robbins 3142* (NY,TAES, UC); 2.5 mi W of Valliant, *Stephens 27620* (KANU); McKinney Cr 3 mi E & 1.5 mi S of Bokhoma, *Taylor 31953* (LSU); 1 mi W of Tom, *Waterfall 8046* (GH-m). **PUSHTAMAHA**: Antlers, *Palmer 8326* (PH, TENN).

PENNSYLVANIA. BUCKS: Schuylkill R., Philadelphia, *Watson s.n.* (E).

SOUTH CAROLINA. Curtis s.n. (GH). **AIKEN**: Savannah R. oper. Sta 90, *Batson & Kelley s.n.* (USCH); 5.7 mi E of Graniteville on SC 191, *Duke & Ahles s.n.* (NCU); 8.9 mi NE of Savanna R. on US 1, *Duke & Ahles 2074* (NCU); Savannah R Operations, *Kelley &*

Tulluck s.n. (USCH); Co Rte 66 nr jct Co Rte 103 & 47, *Leonard et al.* 4949 (NCU); Savannah R, *Miller s.n.* (NCU); N. Augusta, *Norworthy 572* (WVA). **ALLEDALE**: 0.6 mi SSW of Barton on Co Rte 68, *Ahles & Bell 15833* (K); Savannah R Operations Sta. 103, *Batson & Kelley s.n.* (USCH); Savannah by Co Rd 26, SW of Barton, 1.5 mi SE of jct Co Rd 41 & 60, *Bell 4017* (NCU). **ANDERSON**: 28 Jul 1919, *Davis s.n.* (GH); Anderson, *Davis 7724* (ILL) & 8032 (NCSC); nr Seneca R, W of Anderson, *Duncan 9954B* (GA); Tugaloo R nr Seneca R, *Radford 14046* (NCU) & 17962 (NCU); N of Big Generostee Cr, E of Co 709, Westinghouse Recycle Fuels Plant, SW of Starr, *Thomas 232* (NCU). **BAMBERG**: 2.1 mi W of Co 54 & 32, SE of Denmark on Co 54, *Ahles & Haesloop 30436* (NCU). **BARNWELL**: Savannah R, *Batson & Kelley s.n.* (USCH); Savannah R Oper., *Batson & Kelly C-19* (USCH); l.c., Sta 22, *Batson & Kelley s.n.* (USCH); Savannah R. Oper., *Kelley & Tulluck s.n.* (USCH); Barnwell SP, *Porter 94* (USCH). **BEAUFORT**: 1.1 mi ESE of Yemassee on Co 33, *Ahles & Bell 15552a* (NCU); Hilton Head Isl, *Ahles & Bell 18063* (NCU); Bluffton, *Mellichamp s.n.* (NY); Mossy Oak Rd, Beaufort, *Wilbur 42941* (DUKE); Hunting Isl SP E of Beaufort, *Wood & Clement 7098* (GH). **BERKELEY**: 5.4 mi E of Orangeburg Co-1 on SC 6, *Ahles & Haesloop 30632* (NCU); RR 1 mi S of Moncks Corner, *Martin 1129* (DUKE,NY). **CALHOUN**: SE 6 at Co 88, Geiger Ecological Preserve, ca 11 mi W of St. Matthews, *Horn 2284* (USCH); 17 mi S of Columbia nr Hwy 176, *Spigner 12* (USCH). **CHARLESTON**: Isle of Palms, 27 Aug 1909, *Anonymous s.n.* (NCU); l.c., 22 Aug 1905, *Hitchcock s.n.* (ILL-2); Santee Coastal Reserve, Washo Reserve, SE corner S Santee, *Hill 23822* (NY,USCH); Charleston, *Jones & Nurtjahjo 3455* (ILL,NCSC); l.c., *Palmer s.n.* (US); Ft Moultrie, *Stalter 15* (USCH); Francus Marion NF, Wambaw Cr Wilderness Area, 4 mi N on For Rd 211 from jct hwy 45, *Utech 86-964* (CM). **CHEROKEE**: Draytonville Mt ESE of Gaffney, *Ahles & Haesloop 26987* (NCU); Kings Mt Nat. MR, *Kenemore 922* (USCH). **CHESTER**: 2 mi S of Leeds, *Bell 9564* (NCU). **CHESTERFIELD**: Sandy Hill State For, Cheraw, *Buker s.n.* (CM);

Castrale 224 (USCH); 8 mi E of Patrick, *Radford 15811* (NCU). **CLARENDON**: 4 mi S of St. Paul, *Radford 24427* (NCU) & 28026 (NCU); 3.5 mi NE of Turberville, *Radford 28095* (TENN). **DARLINGTON**: Hartsville, 24 Aug 1909, *Anonymous s.n.* (NCU); Hartsville, 27 Jul 1920, *Norton s.n.* (NCU) & 21 Aug 1921, *s.n.* (NCU); Boggy Gully Bay, *Sawyer 2544* (USCH); RR W of Hartsville, *Smith 720* (NCU); Witherspoon Isl, *Smith 721* (NCU,USCH); Byrd Isl, *Smith 735* (NCU,USCH) & 748 (NCU); nr Pee Dee R, S of Society Hill, *Smith 1544* (NCU). **DORCHESTER**: ca 2 mi S of Summerville on Alt. 19, *Smyth 617* (VPI-m). **EDGEFIELD**: W Fork of Little R, btw Shelton & Woodward on Co 100, *Bell 9306* (WVA); 1 mi SE of Johnston, *Radford 26481* (NCU). **FAIRFIELD**: 0.4 mi E of jct Co 19 on Co 62, S of Winnsboro, *Bell 9456* (NCU). **FLORENCE**: Pee Dee R nr Mars Bluff bridge, *Wiegand & Manning 1649* (GH). **GEORGETOWN**: Baruch Plantation, *Barry 160* (USCH-2,WVA); Winyah Bay, *Harris C19612* (MIN); Wildlife Center, *Nelson 9186* (NY, USCH); Cat Isl, Tom Yawkey Wildlife Center, *Nelson 9709* (NY,USCH). **GREENVILLE**: *Braun s.n.* (US); 8 mi S of NC line on US 276, *Daggy 3876* (NCU); Caesar's Head, Blue Ridge, *Redfield 5552* (MO); Furman Univ., *Rogers & Mullens 67105* (NCU). **HAMPTON**: Lk Warren SP, *Batson s.n.* (USCH); 3.1 mi NW of Yemassee on SC 28, *Bell 3884* (MIN-m,NCU); Belmont Plantation, *Porcher 158* (USCH); Webb Wildlife Center, vic of Porcher, *Rayner 1553b* (USCH). **HORRY**: Myrtle Beach, *Seigler 8777* (ILL-m); US 17 at Myrtle Beach, *Smyth 1146* (VPI); nr Murrell's Inlet Rd, *Totter s.n.* (NCU). **JASPER**: 5.2 mi N of Purysburgh on Co 90, *Ahles & Bell 15810* (NCU,SIU); 2 mi N of Coosawatchie, *Wiegand & Manning 1650* (GH). **KERSHAW**: 7.5 mi NE of Camden, *Radford 27698* (NCU). **LANCASTER**: 1.4 mi N of jct US 521 & SC 504 on US 521, *Ahles & Haesloop 31197* (NCU). **LAURENS**: ca 15 mi SE of Laurens on SC 560, *Horn 2888* (USCH); South Raban Cr on Co 108, ca 12 mi NW of Laurens, *Horn & Mytko 4557* (USCH). **LEE**: 2.7 mi N of Lucknow, *Radford 27386* (NCU). **LEXINGTON**: Cayce, 9 Sep 1961, *Batson s.n.* (USCH); l.c. along Congaree R, 10 Sep 1961, *Batson s.n.* (USCH); 0.4 mi jct dirt rd & US 321, 1 mi S

jct with I-26, *Hutto & Rembert 6* (USCH); 4 mi S of Leesville nr US 178, *Radford 27184* (NCU). **MARION**: US 378 at Potato Bed Ferry Bridge over Pee Dee R, *Bell s.n.* (NCU). **MARLBORO**: 3.7 mi S of NC line on SC 77, *Duke 1781* (NCU). **MCCORMICK**: Savannah R 6 mi SE of Clarks Hill on SC 28, *Radford 30665* (NCU). **NEW-BERRY**: Billy Dreher Isl, *Buff 68* (USCH); 9 mi SE of Newberry on Co 403, *Horn 2110* (USCH); Newberry, *House 2448* (US). **OCONEE**: Whitewater R btw Jocassee and Middle Falls, *Bannister & Anderson 391* (DUKE); Chauga R, ca 0.5 mi downstream from Cassidy Bridge at SC 290, *Tobe 1072* (ILL). **ORANGEBURG**: 2.4 mi SW of Ellore on SC 6, *Ahles & Leisner 31559* (NCU); Lake Marion at Santee Game Refuge, *Churchill s.n.* (MSC-m); btw Orangeburg & Cameron, *Fogle 14* (USCH); Orangeburg, 16 Aug 1905, *Hitchcock s.n.* (ILL-m) & 18 Aug, *s.n.* (ILL); E of Eutawville on SC 6/45, 0.3 mi W of Co 137, *Horn & Mack 4888* (USCH). **PICKENS**: Reedy Cove Cr nr Eastatoe R, *Bannister & Anderson 536* (DUKE); Keowee R, 11.5 mi S34°W of Pickens, *Duncan 11964* (GA); Clemson Univ., *Gay 34* (ISC); Keowee R nr SC 183, *Radford 16430* (NCU); Seneca R nr Calhoun, *Wiegard & Manning 1654* (GH). **RICHLAND**: 0.5 mi SW of SC 48, 9.2 mi S of Columbia City, *Aulbach & Crewz 616* (USCH); NE of Columbia, *Barchiesi 210* (F); jct US 1 & US 21, NE of Columbia, *Bell 16482* (ISC); 10.2 mi NE of Dents on SC 12, *Duke & Ahles 1908* (NCU); Ft Jackson Army Installation, *Nelson 10976* (USCH) & *16791* (NY); Ridge-wood, Columbia, *Patterson s.n.* (USCH); cult. Columbia greenhouse, *Skinner s.n.* (NY); Cola, *Swygert 18* (USCH). **SALUDA**: 4 mi NW of Ward nr Mine Cr on SC 193, *Radford 26821* (NCU). **SUM-TER**: *Holdaway 71* (DUKE); Poinsett Air Force Weapons Range, *Nelson 14382* (USCH). **UNION**: Neals Shoal, Broad R, *Freeman 56426* (NCU). **WILLIAMSBURG**: 8 mi E of Falter, *Godfrey & Taylor 566* (GH,NY,UC,US); 2.5 mi NNE of Lane nr SC 377, *Radford 28323* (NCU). **YORK**: 0.4 mi W of jct Co 11 & SC 5, WNW of York on Co 11, *Ahles 34500* (NCU); 0.3 mi E of jct SC 211 & Broad R on dirt rd, *Ahles & Haesloop 31094* (NCU); SC 72 nr

Smiths, *Nelson et al. 6837* (USCH).

TENNESSEE. White Cliff Springs, *Ruth s.n.* (MU). **BLEDSE**: nr College Station, *DeSelm s.n.* (TENN). **BLOUNT**: Cade's Cove, *Ferris s.n.* (MO); Vacon's Ferry, *Moldenke 19310* (OSC,PENN); Abrams Cr, Great Smokey Mt Nat. Park, *Sharp S299* (TENN); btw Townsend & Kinzel Springs, *Sharp S488* (TENN); Chilogates Branch, *Thomas s.n.* (TENN-2). **COCKE**: btw Newport & Del Rio, *Sharp 17924* (TENN) & *27682* (TENN). **FRANKLIN**: Wolf Cove, *Clements et al. 320* (TENN). **HAMILTON**: Nyall Springs, Chattanooga, *Clal-nigh 139* (DUKE), Walben's Ridge nr Soddy, *Underwood & Sharp 2362* (TENN-2). **HAWKINS**: btw Sneedville & Mooresburg, *Wilson 3964* (TENN-2). **KNOX**: Beamans Pond, *Bechtel 10909* (WAB-m); Melton Hill Reservoir, *Ellis 28978* (GA,TENN); Univ. of Tennessee Farm, *Grear s.n.* (TENN); nr Tennessee R, 4 mi SW of Knoxville, *Iltis & Norman 1619* (TENN-m); *Kearney s.n.* (F,GH,MIN,NY,US); Lk Otessa. Jun 1893, *Ruth s.n.* (GH) & 22 Jul 1893, *s.n.* (GH, WTU) & Jul 1895, *s.n.* (MICH); Knoxville, Aug 1893, *Ruth s.n.* (WTU) & Jul 1895, *s.n.* (F, GH,MICH,MIN-3,MU,TENN,US) & Jun 1896, *s.n.* (ILL) & Jul 1896, *s.n.* (TENN) & *129* (ILL) & *297* (NY) & *300* (GH) & *307* (TENN) & *2024* (ILL,WTU) & *2395* (NCU,NY) & *3011* (GH); btw Rocky Hill and Ft Loudon Lk, *Sharp 7239* (TENN). **MARION**: Whiteside on rd to Aetna Mts, *Churchill 85188* (MSC); btw Whitewell & Jasper, *Underwood & Sharpe 2544* (GH,TENN). **MCNAIRY**: NW of Ramer, *RES et al. 14700* (TENN). **MEIGS**: jct rte 58 & 60, *DeSelm s.n.* (TENN); nr Georgetown on rte 58, *Sharp 27705* (TENN). **POLK**: N of Farner on hwy 68, *Underwood & Rogers 34582* (TENN); N of Farner on hwy 68 at Hiwassee R, *Wofford 80-112* (TENN). **RHEA**: Henry Harris Glade on Cottonport Loop Rd E of Rte 302, *DeSelm s.n.* (TENN). **ROANE**: nr Rockwood, *Anderson & Jennsson 1403* (GH,IA); Clinch R Breeder Reactor Site, *Hale & Williams 48725* (TENN); nr Rockwood, *Lloyd s.n.* (F); Oak Ridge Nat. Reservation, *Patrick 3803* (TENN); nr Oak Ridge, *Schallert 727* (ARIZ). **UNION**: nr Maynardville, *Underwood 311* (TENN). **WARREN**: nr Plum Branch, *DeSelm s.n.* (TENN).

WHITE: nr Webb's Camp below Great Falls Dam, *Shanks et al.* 5062 (GH,NCSC,TENN). **WILSON:** Lebanon, *Rhoades* 12669 (WAB). **TEXAS.** *Berlandier* 3130 (WTU); E Texas, *Canby* 116 (F); *Drummond* 61 (E); *Hall s.n.* (ILL); Caley's Sta, 1888, *Pammel s.n.* (ISC); *Wright s.n.* (PH). **ANDERSON:** SE Palestine, *Cory* 54628 (GA); 0.6 mi E on Anderson Co rd 309 from jct with FR 19, SE of Frankston, *Jones & Jones* 3135 (OSC). **ANGELINA:** 7 mi E of Lufkin, *Hamby* 1783 (FSU); *McLeod* 353 (TAES). **ARANSAS:** 13 km from Fulton, *Churchill* 90-917 (MSC); nr Aransas Co Airport, *Correll & Corell* 18897 (GH-m); NE Fulton Beach, *Correll & Wasshausen* 27595 (NY-2); 1.8 mi SE of Rockport, *Cory* 20265 (GH-m); 0.15 mi W on FR 1781 from jct with hwy 35, S of Copano Bay, Rockport, *Jones & Jones* 3509 (OSC); 4.7 mi E of Rockport, *Parks & Cory* 20367 (TEAS) & 20368 (TEAS-m). **AUSTIN:** Industry, 1891, *Wurzlow s.n.* (ILL). **BASTROP:** 3 mi E of McDade, *Fryxell* 2515 (NY); N edge of Buescher SP, *Lynch* 11019 (LSU); Smithville, *Reverchon s.n.* (FSU); Bastrop, *Tharp s.n.* (NY-m,PH-m,TEAS-m,UC); Bastrop SP, *Urbatsch* 1755 (LSU-m). **BELL:** Tennessee Valley, *Wolff* 2481 (MSC,TEAS-2,US-m); Tennessee Valley Park, ca 4 mi NW of Belton, *York & York* 55301 (MIN). **BEXAR:** *Parks* 5381 (TEAS). **BOWIE:** 2 mi N of Texarkana, *Correll* 33372 (NY-m); 12 Jun 1898, *Eggert s.n.* (NY); 10 mi W of Texarkana, *Stiteler s.n.* (PH-m). **BRAZOS:** *Anonymous* 369 (TEAS); from Wellborn to Brazos R, *Bain* 45 (FSU-m, TEAS-m); E of College Sta, *Fryxell* 1806 (NY-m); College Sta, *Pammel s.n.* (ISC); l.c., 11 May, *Parks s.n.* (TEAS-2) & 12 May, *s.n.* (TEAS) & 11 Jul 1946, *s.n.* (TEAS); Jones Bridge, *Parks s.n.* (TEAS); College Sta, Santiago, *Schott* 213 (NY); 10 mi E of College Sta, *Taylor* 22 (TEAS-2,m); Batt's Ferry Rd at Brazos R, *Vincent & Dubrule* 4620 (MU); 5 mi N of Kurten on US 190, *Whatley s.n.* (AUA). **BURNET:** N of Marble Falls, S Granite Mt, *Lynch et al.* 7830 (LSU); 1 mi E of Inks Lk SP, *Seigler & Crutchfield* 5429 (ILL). **CALHOUN:** Port O'Conner, *Gentry* 1474 (DPU, GA-m,SIU,WTU). **CAMERON:** nr Boca Chica, *Runyon* 1419 (US). **CASS:** Lk Texarkana, Atlanta SP, *Correll* 30076 (NY). **CHEROKEE:**

vic New Summerfield, *Isley* 5846 (ISC); nr Rusk, *Ness s.n.* (TEAS); Jacksonville, *Palmer* 7864 (PH,TENN). **DALLAS:** Dallas, *Reverchon* 174 (WELC) & 266 (F); vic Dallas, *Stephenson s.n.* (US). **DENTON:** vic Roanoke, *Lundell & Lundell* 9546 (MICH); ca 2 mi W of Tarrant Co-1 on hwy 114, *Whitehouse* 16365 (MICH). **FANNIN:** NE Coffee Mill Lk, ca 6 air mi NW of Sells, *Orzell & Bridges* 11348 (TEAS). **FREESTONE:** 15 mi SSE of Fairfield, *Kral* 1167 (FSU) & 1224 (FSU-m). **GALVESTON:** W of Galveston on Galveston Isl, *Lievens* 1516 (LSU). **GOLIAD:** nr Fannin, *Drushel* 9892 (NY-m). **GONZALES:** Oline Swamp, *Parks & Cory* 10029 (TEAS); Palmetto SP, *Tharp s.n.* (NY-2,m). **GREGG:** 7 mi W of Kilgore, *Hetzer s.n.* (KANU). **GRIMES:** 3 mi W of Roans Prairie on rd 158, *Das* 138 (TEAS); Rd 158, Roans Prairie, *Mahan* 27 (TEAS). **HARRIS:** 5 mi W of Humble, *Boon* 160 (F,PH-m,UC); San Jacinto R, 3 mi N of Humble, *Boon* 383 (F); *Joor s.n.* (LSU); ca 3 mi W of Alexander Deussen Park entrance on Lk Houston Pkwy, *Traverse* 1654 (F, GH); ca 2.3 mi E of Greens Bayou on Lk Houston Pkwy, *Traverse* 1693 (F,GH); 4 mi E of Aldine Westfield Rd on Riley-Fuzzel Rd, *Young & Stahl* 403 (FLAS-m). **HARRISON:** 5 mi SE of Harleston on TX 154, *Freckman* 413 (ISC-m); Caddo Lk SP, *Seigler* 5562 (ILL). **HOUSTON:** Sheldon, *Degener* 5169 (NY); Houston, *Fisher* 1712 (US-m) & 2045 (UC,US); *Kuntze* 23817 (NY-m); 9.6 mi SW of bridge over Neches R on TX 21, *Lammers & Vincent* 8334 (F); King's hwy (Camino Real) on TX 21, 15.9 mi NE of jct with 304 in Crockett, *Vincent & Lammers* 4922 (MU). **JACKSON:** Horseshoe Lk, *Drushel & Drushel* 10031 (NY). **JASPER:** Harrisburg, *Joor* 18 (MICH). **JEFFERSON:** Texas Point Nat. Wildlife Refuge, 2.2 mi S jct. FM 3322 on TX 87 nr Sabine Pass, *Lievens & Gregory* 2757 (LSU); 2.5 mi SW of Sabine Pass, *Parks & Cory* 19869 (TEAS-m). **LAMPASAS:** Colorado R nr Lampasas, *Plummer & Barkley* 13113 (GH,US); 9.2 mi W of Lometa, *Shinners* 30163 (DUKE). **LEON:** Normangee Lk, ca 6 mi W of Normangee, *Duncan s.n.* (TEAS); Normangee Lk, 8 mi NW of Normangee, *Henry s.n.* (CM-m). **LIBERTY:** Liberty, *Bottimer* 119 (MSC). **LLANO:** Llano R nr Llano, *Wolff* 3138 (MSC-m,TEAS-m,US). **MATAGORDA:** just W of Colo-

rado R, 5 mi SW of Wadsworth, *Sharik 573-285* (CM). **MONTGOMERY**: Willis, *Dixon 270* (F); Fling Ranch, 2.5 mi E of Montgomery, *Gould & McCully 5781* (TEAS); Conroe, *Tharp s.n.* (GH-m). **MORRIS**: Daingerfield SP, *Correll & Correll 12464* (FSU,MICH,NY). **NEWTON**: ca 1.9 airmiles E of Stringtown, ca 0.5-1.5 mi NE of Wild Azalea Canyons, *Orzell & Bridges 11000* (TEAS). **NUECES**: W Flour Bluff, *Correll & Correll 28506* (NY); Flour Bluff, 12 mi S of Corpus Cristi, *Drushel 10678* (NY). **PANOLA**: 2 mi S of DeBerry, *Seigler et al. 8239* (ILL). **POLK**: E Lk Livingston on US 90, *Siegler 5488* (ILL); 3 mi W of Camden, *Stephens 8531* (KANU). **RED RIVER**: *Bush s.n.* (NY). **REFUGIO**: Greta Ranch ca. 8.5 mi NE of Refugio, *Hill 10572* (GH,NY-m,TEAS). **ROBERTSON**: Benchley, *Gibbs 101* (AUA); 6 mi N of Wheelock, *Henry s.n.* (CM-m); Southworth Bog, 15 mi E of New Baden, *Rowell 8074* (MICH,TEAS); ca 2 mi S of Easterly, *Starbuck 870* (TEAS); 2 mi E of Hearne, 1 Jul 1929, *Wolff 1055* (TEAS-2) & 4 mi E of Hearne, 1 Aug 1929, *1055* (MSC-m,US). **RUSK**: 9 mi NE of Henderson, *Gould 6898* (TEAS, UC); Gubusch and Wälden, *Vinzent 115* (BM). **SAN PATRICIO**: 4 mi SW of Ingleside, *Cory 20372* (GH) & *45347* (TEAS); 1.8 mi SW of Aransas R, *Parks & Cory 20369* (TEAS); 4 mi SW of Ingleside, *Parks & Cory 20371* (TEAS); Aransas Pass, *S.D.S. s.n.* (MICH). **SHELBY**: Magnum Lk, *Parks 2323* (TEAS). **SMITH**: Camp Fanmin, 8 mi NE of Tyler, *Moore 815* (GH); NE side of Lk Tyler E, 1 mi SW of Swinneytown, *Wilkerson s.n.* (NY) & *840* (NY). **TARRANT**: NW of Grapevine, *Lundell 11606* (NY); Ft Worth, *Palmer 14224* (TENN); 4 mi NW of Grapevine, *Reed 458* (FSU); Lk Worth, 25 Jun 1919, *Ruth 537* (PENN) & 27 Jul 1919, *537* (PH) & 25 Jun 1920, *537* (CM) & 27 Jul 1920, *537* (F) & 22 Jun 1922, *537* (MICH) & 27 Jun 1923, *537* (ISC-m) & 14 Jul 1928, *537* (US-m); Tarrant Co, 27 Jul 1923, *Ruth 537* (GH,MSC); nr Handley, *Ruth 670* (ILL,NY). **TITUS**: W of Blundell Cr, E of Monticello, *McGregor 104* (NCU). **TRAVIS**: Austin on Del Valle Rd, *Tharp s.n.* (GH,ISC-m). **TRINITY**: Groveton, *Cooper 2551* (TEAS); Davy Crockett NF, *Jones & Jones 1800* (TEAS). **UPSHUR**: 4.75 mi SE of

Gilmer, *Cory 57727* (NCSC). **VAN ZANDT**: 2.5 mi NW of Ben Wheeler, *Cory 56333* (US); 2.5 mi SE of Ben Wheeler, *Kral 1131* (FSU). **VICTORIA**: 10 mi SW of Victoria, *McVaugh 12418* (MICH, NY,US). **WALKER**: Huntsville, *Dixon 29* (F-m) & *37* (F); Riverside, *Dixon 221* (F); Huntsville, *Dixon 389* (F,GH-m,NY); 3 mi NE of Huntsville, *Parks & Cory 10405* (TEAS). **WALLER**: Hemstead, *Hall 116* (F-2 sh.,ILL,K, NY-3 sh.). **WASHINGTON**: Brenham, *O.C.A. s.n.* (SMU). **WILSON**: Kicaster School, *Parks & Cory 15089* (TEAS).

VIRGINIA. *Clayton 108* (BM); coast, 1858, *Canby s.n.* (BM). **AC-COMACK**: Assateague Isl, *Harvill 15103* (NCU-m); Chincoteague Isl, *Tatnall 151* (PENN); l.c., *Travis 627* (PENN). **AMELIA**: Stable Rock, *Lewis 868* (VPI); *Lewis 923* (VPI); *Lewis 1624* (VPI). **BRUNSWICK**: 1.5 mi S of Long Bridge nr Waqua Cr, *Fernald & Long 8738* (GH, PH); Steward For, *Lewis 3655* (VPI). **CAMPBELL**: rd from Lynch Sta to Leesville, *Fauntleroy 669* (US). **CHESTER-FIELD**: Richmond, *Burk s.n.* (PH-m). **DINWIDDIE**: nr Harpers Bridge, *Harwill 17424* (NCU). **ESSEX**: Isl Point, Rappahannock R., 4 mi ENE of Champlain, *Wieboldt & Wieboldt 5288* (VPI,WVA). **GLOUCESTER**: 0.5 mi E of Kirk's Mill, *Meredith s.n.* (PH); James Store, *Wherry & Pennell 12095* (PH). **GREENSVILLE**: N of Emporia, *Fernald & Long 9588* (GH,PH). **HAMPTON**: Ft Monroe, *Chickering s.n.* (NY-2). **JAMES CITY**: Martin's Beach on James R, SE of Grove, *Fernald & Long 13367* (GH,PH, US); S of Norge, *Fernald & Long 13369* (GH,PH); James R at Camp Wallace, *Grimes 3940* (GH, MIN); Queens Cr NE of Williamsburg, *Grimes 4080* (NY); Jamestown Isl, *Jones 6064* (ILL); l.c., *Loetterle 126* (NCU); l.c., *Loetterle & Hall 413* (NCU). **KING AND QUEEN**: Rte 14 at Poropotank Cr, NE of Plain View, *Vascott 469* (FLAS, GA). **LANCASTER**: Northern Neck Peninsula, *Massey 2125* (VPI). **MECKLENBURG**: Seaver Farm on US 58, *Seaman 3228* (NCU). **NANSEMOND**: RR 3.5 mi ENE of Suffolk on US 13-58-460, *Ahles & Baird 57529* (NCU); Pitch Kittle Cr N of Lk Kilby, *Fernald et al. 4917* (GH,PENN,PH); Norfolk, Dana, *hb. Gray s.n.* (GH); vic Norfolk, *Jensen s.n.* (US); nr Suffolk,

Kearney 1587 (IA); 12 mi SSE Franklin, *Kral 11077* (VPI); Norfolk, *Rothrock s.n.* (F). **NEW KENT**: Co 617 nr Criscross, 0.3 mi S of jct with Co 604, *Gillespie 207* (NCU); Barhamsville, *Schallert 2496* (DUKE). **NORTHAMPTON**: nr Portsmouth, *Rugel s.n.* (BM-2). **PITTSYLVANIA**: Burch Cr on Co 710 NE of Kentuck, *Ahles & James 62317* (NCU); Co 630, *Ruska & Waggoner s.n.* (NCU). **PRINCE GEORGE**: Camp Lee, *Anonymous s.n.* (VPI); City Point, *Canby s.n.* (ILL,NCU,NY). **PRINCESS ANNE**: The Desert, Cape Henry, *Fernald & Long 3983* (GH,PENN); vic Cape Henry, *Killip & Leonard 1053* (GA); l.c., *Killip 6812* (US); Seashore SP, Cape Henry, *Massey & Marshall s.n.* (VPI). **SOUTHAMPTON**: nr Franklin, *Heller 1027* (GH, MIN,PENN,US-2). **STAFFORD**: Potomac R, 3.5 mi E of Brooke, *Hermann 9733* (GH, MICH,NY) & *10404* (F-m). **SURREY**: Hog Isl, *Gilchrist s.n.* (VPI). **SUSSEX**: 4 mi NW of Homeville, *Fernald & Long 6246* (GH,PH); nr Chub, *Fernald & Long 12690* (GH,PH) & *13368* (GA,GH,NY,PH,TENN). **WARWICK**: Mariner's Museum, *Mason 152* (VPI). **WESTMORELAND**: Ragged Point nr Tucker Hill, *Clarkson & Clarkson 660* (WVA). **WILLIAMSBURG**: N of Roxbury on Co Rt 609, nr Chichahiminy bridge, *Ware 2441* (VPI). **YORK**: 0.25 mi E of Bellfield Plantation, S on Yorktown Colonial Pkwy, *Sallé 480* (NCU).

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