

NOTEWORTHY PLANTS FROM NORTH FLORIDA. VII

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ABSTRACT

The following appear to be first reports for the state of Florida: *Ajuga reptans*, *Aster laevis* var. *concinus*, *Cyperus retrofractus*, *Linum macrocarpum*, and *Rhynchospora thornei*. Several additions to the flora of north Florida are also documented, and some species that were thought to be restricted in Florida to the western panhandle are noted for extreme northeastern Florida.

RESUMEN

Los siguientes taxa parecen ser las primeras citas para el estado de Florida: *Ajuga reptans*, *Aster laevis* var. *concinus*, *Cyperus retrofractus*, *Linum macrocarpum*, y *Rhynchospora thornei*. Se documentan también varias adiciones a la flora del norte de Florida, y algunas especies que se pensaba que estaban restringidas en Florida a la franja occidental se han encontrado en el extremo nordeste de Florida.

In previous installments of this series (Anderson 1984, 1986, 1988, 1989, 1991, 1995), "north Florida" was defined as the Florida panhandle west of the Suwannee River. Recent botanical surveys, particularly in Clay, Nassau, and Putnam counties of northeastern Florida, have prompted me to expand the area of coverage to include that portion of the state from Putnam County northward. Particularly interesting sites were found at Black Creek Ravines Conservation Area just E of Middleburg in Clay County and Ralph E. Simmons Memorial State Forest just E of Boulogne in Nassau County. Exotics that appear to be adventive or naturalized are included. Nomenclature generally follows Wunderlin (1998). Herbarium specimens are at FSU unless noted otherwise. These findings will update species distributions as mapped by Wunderlin et al. (1999).

TAXA NEW TO THE AREA

Ajuga reptans L.—Leon Co.: extensively naturalized in Tallahassee lawns, 7 May 1999, *Anderson 18620*; new to Florida.

Aster laevis L. var. ***concinus*** (Willd.) House.—Okaloosa Co.: N side of Karick Lake, 11 Oct 1996, *Anderson 17191*; Santa Rosa Co.: shrubby thicket around lake at Camp Paquette, 6 mi NNE of Munson, 27 Oct 1995, *Anderson 16036*, margin of Krull Lake, W of Sweetwater Creek, 11 Oct 1996, *Anderson 17157*; new to Florida.

Duplicates identified by Almut G. Jones (pers. comm.), but I think they may represent a new taxon. These Florida samples have disk corollas 3.7–4.8 mm long, whereas disk corollas from four samples of *A. laevis* (from neighboring states) ranged from 5.2–6.0 mm. The Florida disk flowers have long lobes (1.3–1.6 mm long) and short throats, whereas

the *A. laevis* samples I measured had short corolla lobes and long throats. A large lobe/throat ratio is characteristic of *A. lateriflorus* (L.) Britton, but that species is caespitose or with short, stout rhizomes and a branching paniculate inflorescence, whereas the Florida plants have long, slender rhizomes and more racemiform inflorescences.

Chenopodium murale L.—Leon Co.: cracks in sidewalk along Sixth Avenue in Tallahassee, 6 Mar 1999, *Anderson 18268*; new to Florida panhandle.

Conobea multifida (Michx.) Benth.—Leon Co.: railroad crossing at Capitol Circle NW in Tallahassee, 2 Oct 1992, *Godfrey 84404*, same locality, 6 Oct 1999, *Anderson 19056*; new to north Florida and second county of record for Florida. Many authors (e.g., Gleason & Cronquist 1991) list this taxon as *Leucospora multifida* (Michx.) Nutt.

Cyperus retrofractus (L.) Torr. in A. Gray.—Jackson Co.: Florida Caverns State Park with *Desmodium ochroleucum* M. A. Curtis and *D. rotundifolium* DC., 10 Oct 1998, *Anderson 18188*; new to Florida. Clewell (1985) listed *C. retrofractus* for the Florida panhandle, but the plants to which he was referring are now considered *C. plukenetii* Fernald; see Carter and Jarvis (1986) for clarification.

Linum macrocarpum Rogers.—Bay Co.: pine flatwoods near Long Beach, 7 Jul 1963, *Godfrey 62966*; Franklin Co.: Apalachicola National Forest, E of Rte 65, 5 Jul 99, *Anderson 18810*; new to Florida. The Bay County specimen was annotated as *L. floridanum* (Planch.) Trel. by Rogers, but later Bruce Sorrie noted its capsules were 3.4–4.6 mm long and identified it as *L. macrocarpum*. The Franklin County specimen was immature, with capsules 3.3–3.5 mm long and shrunken seeds 2.5–2.6 mm long. This species was previously known only from the 1897 type collection (in swamps, Spring Hill) in Mobile Co., Alabama (Rogers 1963). *Anderson 16859* adds a second locality (east of Bayou LaBatre) in Mobile County, AL.

Lipocarpa aristulata (Cov.) G. Tucker.—Putnam Co.: wet depression beside railroad, 1 mi N of Palatka, 18 Sep 1997, *Anderson 18119*, same locality, 22 Oct 1998, *Anderson 18500*; new to north Florida. Kral (pers. comm.) prefers *Hemicarpa aristulata* (Cov.) Smyth.

Mecardonia procumbens (Mill.) Small.—Putnam Co.: frequent in border of lawn, S of rte 100, W edge of Palatka, 16 May 1997, *Anderson 17444*, same locality, 19 Sep 1997, *Anderson 18152*; new to north Florida.

Rhynchospora thornei Kral.—Jackson Co.: marshy area bordering lake 1 mi E of Marianna, 27 Sep 1957, *Kral & Godfrey 5996*, edge of small pond 2 mi NW of Grand Ridge, 10 Oct 1997, *Anderson 18203*; Putnam Co.: wet roadside depression 1 mi N of Palatka, 18 Sep 1997, *Anderson 18133*; new to Florida. The species was previously known only from the type locality in Baker County, Georgia (Kral 1977). The Kral and Godfrey specimen (originally labeled "*Rhynchospora divergens* Chapm.?") was annotated as *R. thornei* by Kral in 1992.

Taraxacum laevigatum (Willd.) DC.—Putnam Co.: lawn weed at St. Johns River Community College in Palatka, 15 Jan 1999, *Anderson 18550*; new to north Florida and second county of record for Florida.

Thunbergia alata Bojer ex Sims.—Leon Co.: escaped from cultivation and naturalized in Tallahassee, 22 Jun 1998, *Anderson 18388*; new to north Florida.

Thymophylla tenuiloba (DC.) Small.—Leon Co.: escaped from cultivation and natural-

ized in Tallahassee, 7 Jul 1999, *Anderson 18817*; new to north Florida.

Xanthosoma sagittifolium (L.) Schott.—Leon Co.: naturalized (vegetative) in swampy woodland by Ochlockonee Rd, NW of Tallahassee, 1 Nov 1996, *Anderson 17247*, same locality (flowering), 20 Sep 1999, *Anderson 19053*; new to north Florida.

ADDITIONAL RANGE EXTENSIONS

Abutilon theophrasti Medik.—Leon Co.: edge of flood-control pond on Call Street in Tallahassee, 7 Jul 1999, *Anderson 18816*; new county of record and second collection for north Florida.

Aureolaria virginica (L.) Pennell.—Clay Co.: steephead ravine at Black Creek Ravines Conservation Area, 10 Jun 1999, *Anderson 18691*; new to northeast Florida and first collection in Florida east of Ochlockonee River.

Boltonia asteroides (L.) L'Her.—Nassau Co.: bordering St. Marys River at Hwy 17 bridge, 9 air mi NW of Yulee, 5 Oct 1985, *Anderson 8911*; new to northeast Florida.

Callisia repens (Jacq.) L.—Leon Co.: escaped from cultivation and naturalized along roadside ditch in Tallahassee, 20 Oct 1998, *Anderson 18491*; second county of record for north Florida.

Carex crebriflora Wiegand.—Clay Co.: deep shade of swampy floodplain of Black Creek, Black Creek Ravines Conservation Area, 10 Jun 1999, *Anderson 18674*; new to northeast Florida.

Carex styloflexa Buckley.—Clay Co.: deep shade of floodplain of Black Creek near junction of the two forks, Black Creek Ravines Conservation Area, 10 Jun 1999, *Anderson 18687*; new to northeast Florida.

Chasmanthium latifolium (Michx.) Yates.—Nassau Co.: shaded banks of St. Marys River at Simmons State Forest, 25 Jun 1999, *Anderson 18788*, 8 Jul 1999, same locality, *Anderson 18842*; new to northeast Florida (first collection in Florida east of Ochlockonee River).

Croton willdenowii G.L. Webster.—Bay Co.: abundant in white sand of depression just E of Enfinger Rd, S of rte 20 (ca. 2 mi W of Econfina Creek), 27 Oct 1999, *Lisa & Ed Keppner*; second county of record for the state of Florida. This species was previously known as *Crotonopsis elliptica* Willd. Pennell (1918) stated that, in the south part of its range, it occurred "mostly inland, on granitic rocks." Here it occurs in loose white sand, and the other known occurrence in Florida is on citronelle sandstone outcrops at the summit of Rock Hill in Washington County.

Cyperus pseudovegetus Steud.—Nassau Co.: seepage slope, Simmons State Forest, 25 Jun 1999, *Anderson 18764*; second county of record in Florida east of Leon County.

Desmodium rotundifolium DC.—Jackson Co.: Florida Caverns State Park with *D. ochroleucum* and *Cyperus retrofractus*, 10 Oct 1997, *Anderson 18185*; third county of record for Florida.

Fimbristylis decipiens Kral.—Leon Co.: lawn and open weedy slopes above pond E of Mary Ellen Drive in Tallahassee, 8 Oct 1992, *Anderson 14062*, same locality, 25 Oct 1997, *Anderson 18241*. Listed by Clewell (1985) for Florida panhandle, but no specimens seen; these collections confirm its presence.

Hypericum gymnanthum Englem & A. Gray.—Nassau Co.: seepage slope, Simmons State Forest, 25 Jun 1999, *Anderson 18777*; new to northeast Florida and first collection in Florida east of Ochlockonee River.

Kyllinga squamulata Thonn. ex Vahl.—Leon Co.: locally common at Tallahassee Southeast Farm, S of Tram Rd, 25 Sep 1995, *Horne 773*, same locality, 26 Sep 1995, *Anderson 15899*; new to Florida panhandle.

Leersia lenticularis Michx.—Nassau Co.: along stream in Plummer Swamp, 4 air mi WSW of Yulee, 24 Jul 1999, *Anderson 18926*; new to northeast Florida and first collection in Florida east of the Ochlockonee River.

Lithospermum incisum Lehm.—Putnam Co.: dry sand of open oak woodland in Palatka, 27 Mar 1998, *Anderson 18926*; second county of record for northeast Florida.

Murdannia keisak (Hassk.) Handel-Mazz.—Leon Co.: under Meridian Rd bridge W of Lake Iamonia, 18 Oct 1993, *Anderson 14590*, 27 Oct 1999, *Anderson 19082*, shaded streamlet at Elinor Klapp-Phipps Park, N edge of Tallahassee, 23 Sep 1996, *Anderson 17068*; second county of record for Florida panhandle for this recently introduced, aggressive weed. At the Lake Iamonia site, it appears to be displacing *Polygonum meisnerianum* Cham. & Schlecht., which is an endangered species in Florida (Coile 1998).

Oxycaryum cubense (Poeppig & Kunth) Lye.—Bay Co.: frequent along edge of drainage ditch, W of Rte 389 at Girl Scout Camp, 5 Jun 1999, *Keppner 1120*. Reported (as *Scirpus cubensis* Poeppig & Kunth) by Clewell (1985), but no vouchers from the Florida panhandle were found in major Florida herbaria (Wunderlin et al. 1999). This collection documents its presence; the species has also been found recently in Alabama and Georgia (Bryson et al. 1996).

Paederia foetida L.—Duval Co.: alley behind Clemson Rd near University Blvd in Jacksonville, 13 Nov 1998, *Podris s.n.*; Franklin Co.: St. George Island, 13 Apr 1995, *Jubinsky s.n.*; Leon Co.: woodland along Crestdale Ln, NE of Tallahassee, 30 Sep 1997, *Jubinsky s.n.*; new counties of record for this Class I weed (FLEPPC 1999.)

Paspalum conjugatum Berg.—Clay Co.: mesic woodland bordering St. Johns River, Bayard Point State Preserve, 17 Aug 1999, *Anderson 18955*; new to northeast Florida.

Plantago major L.—Nassau Co.: beside rte 2 at St. Marys River bridge, W of Callahan, 24 Jul 1999, *Anderson 18931*; second county of record for northeast Florida.

Plantago rugelii Decne.—Jackson Co.: Pine Shelter service road, Florida Caverns State Park, 10 Oct 1997, *Anderson 18190*; second county of record. Additional sites in Leon Co.: *Anderson 18078, 18389*; first reported for this county (and the state) by Anderson (1986).

Platycladus orientalis (L.) Franco.—Marion Co.: naturalized, several trees of differing ages in pine-oak woodland S of Ferry Rd, E of rte 19 in Ocala National Forest, 23 Oct 1998, *Anderson 18507*; second record for state of Florida (not collected since 1905, see Wunderlin 1998).

Polygonum lapathifolium L.—Nassau Co.: edge of cultivated field, ca. 4 air mi NE of Boulogne, 8 Jul 1999, *Anderson 18852*; new to northeast Florida.

Pycnanthemum flexuosum (Walt.) B.S.P.—Nassau Co.: semishade of seepage slope,

Simmons State Forest, 25 Jun 1999, *Anderson 18764*, same general area in full sun, 18 Aug 1999, *Anderson 19009*; new to northeast Florida and first collection in Florida east of Suwannee River.

Rhynchospora macrostachya Torr.—Nassau Co.: shallow pond on seepage slope, Simmons State Forest, 25 Jun 1999, *Anderson 18762*. Reported for the state in 1933 by Small (but not by Godfrey and Wooten 1979 or Wunderlin 1998), but this is apparently the first specimen documenting its presence (G. Moore, pers. comm.). Another horned beaksedge from two sites at Simmons State Forest (*Anderson 19007, 19014*) is puzzling in having achenes with short bristles typical for *R. corniculata* (Lam.) A. Gray but with stout rhizomes as in *R. careyana* Fernald.

Schisandra glabra (Brickell) Rehder.—Leon Co.: mesic woodland along Trillium Court in Tallahassee, 1 May 1999, *Anderson 18617*; new county of record for this endangered species (Coile 1998).

Scirpus koilolepis (Steud.) Gleason.—Nassau Co.: campground at Cary State Forest, just NE of Bryceville, 1 May 2000, *L.C. Anderson 19196*; first report for Florida east of the Apalachicola River.

Spermacoce glabra Michx.—Madison Co.: steep limestone slopes of Withlacoochee River at Blue Spring, 16 Jul 1999, *Anderson 18876*; first collection in Florida east of Ochlockonee River.

Spermacoce verticillata L.—Putnam Co.: roadside 1 mi N of Palatka, 18 Sep 1997, *Anderson 18122*, same general area, 5 Dec 1997, *Anderson 18263*; third county of record for northeast Florida.

Vaccinium tenellum Aiton.—Clay Co.: overgrown seepage slope, Bayard Conservation Area, SE of Green Cove Springs, 10 Dec 1998, *Slaughter 10717*, sandhill seepage at Black Creek Ravines Conservation Area, 10 Jun 1999, *Anderson 18665*; St. Johns Co.: powerline corridor, Moses Creek Conservation Area, 2 mi WNW of Crescent Beach, 9 Apr 1998, *Ware s.n.* These collections confirm its occurrence in Florida. Vander Kloet (1988) noted a single 1943 collection from Clay Co. and implied the species may no longer be found in Florida; the same situation was noted in 1996 (Luteyn et al.). Surprisingly, Wunderlin et al. (1999) listed the species for over 20 counties in north Florida. The discrepancy between this wide distribution and all previous reports may arise from confusion of this species with other elements of the genus.

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