

NOTES ON FLORIDA'S ENDANGERED AND THREATENED PLANTS¹

Nancy C. Coile²

The **Regulated Plant Index** is based on information provided by the Endangered Plant Advisory Council (EPAC), a group of seven individuals who represent academic, industry, and environmental interests (Dr. Loran C. Anderson, Dr. Daniel F. Austin, Mr. Charles D. Daniel III, Mr. David M. Drylie, Jr., Ms. Eve R. Hannahs, Mr. Richard L. Moyroud, and Dr. Daniel B. Ward). Rule Chap. 5B-40, Florida Administrative Code, contains the "Regulated Plant Index" (5B-40.0055) and lists endangered, threatened, and commercially exploited plant species for Florida; defines the categories; lists instances where permits may be issued; and describes penalties for violations. Copies of this Rule may be obtained from Florida Department of Agriculture and Consumer Services, Division of Plant Industry, P. O. Box 147100, Gainesville, FL 32614-7100. Amended 20 September 2000, the "Regulated Plant Index" contains 415 endangered species, 113 threatened species, and eight commercially exploited species.

Descriptions of these rare species are often difficult to locate. Florida does not have a single manual covering the flora of the entire state. Long and Lakela's manual (1971) focuses on the area south of Glades County; Clewell (1985) is a guide for the Panhandle; and Wunderlin (1998) is a guide for the entire state of Florida but lacks descriptions. Small (1933) is an excellent resource, but must be used with great care since the nomenclature is outdated and frequently disputed. Clewell (1985) and Wunderlin (1998) are guides with keys to the flora, but lack species descriptions.

Distribution maps (Wunderlin and Hansen, 2000) are available over the Internet through the University of South Florida Herbarium [www.plantatlas.usf.edu/]. These maps were invaluable for determining county distributions as was information from Florida Natural Areas Inventory.

The following tables were compiled to provide a convenient source of descriptions and other information on Florida's endangered, threatened and commercially exploited plant species. Five columns of information are provided: scientific name, references, common names, family, and descriptions.

This publication consists of five sections: **endangered species, threatened species, commercially exploited species, family affiliation, and index to common names.** The table uses the same numbering sequence as that used by the "Regulated Plant Index."

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² Botanist, FDACS, Division of Plant Industry, P. O. Box 147100, Gainesville, FL 32614-7100.

DESCRIPTION OF COLUMN CONTENTS: The columns used in this publication are described below.

SCIENTIFIC NAME lists the species by the numerical order in which the species are listed in the "Regulated Plant Index." Author names are often abbreviated.

Bold type indicates that the species is on the federal list of endangered or threatened plants. The date of inclusion as a federally listed plant is provided immediately following the scientific name.

When there are illustrations in commonly available references a symbol (☉ or ☿) is placed in the lower left corner. Page numbers are given for Bell and Taylor (1982), Scurlock (1987), and Taylor (1992). Photographs in the DPI poster and in Nelson (1994) are cited by plate number. There are no page numbers for Chafin (2000) or for Wunderlin and Hansen (2000). For additional photos, check the atlas website of Wunderlin and Hansen; many species will have photographs.

If the species is considered **endemic** to Florida (95% of all known occurrences are in Florida), then the term "endemic" is given in the lower right corner. Range distribution was obtained from Gleason and Cronquist (1991), Radford *et al.* (1968), Luer (1984), and Correll and Correll (1978).

REFERENCES provides the last name of the author(s) and then page(s) devoted to the species. When species are covered by Clewell (1985), Correll and Correll (1982), Long and Lakela (1972), Small (1934), Ward (1979), or Wunderlin (1998), those authors will be listed if applicable. Other references may also be listed. Complete reference citations are provided at the end of this publication.

If line drawings are present in a reference, the symbol ☉ is shown. Small (1934) provides excellent illustrations, but these usually show only floral details. Other illustrations are often detailed and show plant habit as well as floral and fruit details. The ☿ symbol indicates that a photograph is present. Lakela and Long (1976) has black and white photographs.

COMMON NAMES: these are names used in the vernacular. Sometimes the common name is descriptive and very useful. However, the common names are often confusing because the same name may be used for different taxa, or a species may have many different common names. This listing of common names is not meant to be exhaustive.

FAMILY encompasses similar genera and excludes dissimilar genera. When two family names are acceptable (synonymous) according to the International Code of Botanical Nomenclature, both will be listed. There are eight families which have an alternative name: Palmae or Arecaceae; Gramineae or Poaceae; Cruciferae or Brassicaceae; Leguminosae or Fabaceae; Guttiferae or Clusiaceae; Umbelliferae or Apiaceae; Labiatae or Lamiaceae; and Compositae or Asteraceae.

Common names for the families usually follow Lawrence (1951). The division for Leguminosae into three subfamilies corresponds to Mabberley (1997). The tribes for the Compositae comply with Cronquist (1980). Common names for pteridophyte families are found in several sources, including FNA.

DESCRIPTIONS provides characters which will help distinguish this species from similar species. The first category is type of plant (tree, shrub, vine, annual herb or perennial herb). In succeeding order, characteristics are given for the following categories: stem, leaf, flower, fruit characters, habitat, locale, and time of bloom. Several abbreviations are used to save space: **lvs**= leaves; **lflets**= leaflets; **cpd**= compound; **infl**= inflorescence; **flrs**= flowers; **frts**= fruits; **cos.**= counties.

The Florida Natural Areas Inventory (FNAI 1996) was used for habitat designations as were the referenced manuals and guides. Some of the habitats may sound esoteric, but are usually very appropriate. As an example, the solution holes in rockland hammocks mentioned in description of *Anemia wrightii* refer to dissolved areas in the limestone substrate of the rockland hammock habitat. When a county is not listed by the Atlas, the county is shown within parentheses.

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Florida Department of Agriculture and Consumer Services, Division of Plant Industry, Rule Chapter 5B-40
PRESERVATION OF NATIVE FLORA OF FLORIDA: REGULATED PLANT INDEX
I. ENDANGERED PLANT LIST

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
1. <i>Acacia choriophylla</i> Benth. ☼☼Atlas; Nelson, plate #71; Scurlock, p. 2 FL Keys, West Indies	Correll and Correll, 588 Isely, 8 Long and Lakela, 453 Ward, 3☼☼ Wunderlin, 341	tamarindillo cinnecord	Leguminosae/ Fabaceae; legume family. Mimosoideae; acacia subfamily	tree to 9 m tall; spineless; lvs cpd, 1-3 pairs of segments, 4-8 pairs of lflets, lflets 1-2 cm long; petiolar gland circular and sessile; yellow flowers; stamens numerous; frt a woody legume with non-arillate seed; ecotone between rockland hammock and marine tidal swamp, coastal berm; Dade (escape) and Monroe cos.; summer.
2. <i>Acacia tortuosa</i> (L.) Willd. ☼☼Atlas; Nelson, plate #74 FL, West Indies, South America	Correll and Correll, 590 Isely, 7 Long and Lakela, 452 Wunderlin, 341	poponax	Leguminosae/ Mimosoideae [see above for common names]	shrubby tree to 5 m tall; stipular spines (may be fused at bases); lvs cpd, 4-8 pairs of segments, 15-20 pairs of lflets; petiolar gland elliptic; yellow flowers; stamens numerous; frt a slender moniliform, slightly curved, woody legume; hammocks on shell middens; Collier Co. (extirpated?)
3. <i>Actaea pachypoda</i> Elliott ☼☼Atlas Quebec to Ontario and Minn., s to FL, LA and OK	Clewell, 460 Radford <i>et al.</i> , 456☼☼ Small, 513, as <i>A. alba</i> ☼☼ Ward, 127-128 Wunderlin, 298	doll's eyes baneberry necklace weed white baneberry	Ranunculaceae; buttercup family	perennial herb; lvs cpd; many white flrs with thick stalks which later become red; frts hard, white berries with blackish dot (persistent stigma); rich woods, slope forest, stream banks; Liberty Co.; Mar.
4. <i>Adiantum melanoleucum</i> Willd. ☼☼Chafin West Indies in Greater Antilles, Bahamas, FL	FNA, 128 Lakela and Long, 68☼☼ Long and Lakela, 90 Small: ferns, 116, 117☼☼ Ward, 3-4☼☼ Wunderlin, 40	fragrant maidenhair fern	Pteridophyta-- Adiantaceae; maidenhair fern family	fern; rachis hairy and dull; lvs to 80 cm long, margins finely and irregularly serrate. lf segments oriented at right angles to rachis and continuous with stalk; false indusium crescent-shaped, on segment margins; rockland hammocks, limestone sinkholes; Dade Co. (Monroe Co. record is an error.)
5. <i>Adiantum tenerum</i> Swartz FL, Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Venezuela	FNA, 127 Lakela and Long, 63 Long and Lakela, 90 Small: ferns, 121-123☼☼ Wunderlin, 40	brittle maidenhair fern	Pteridophyta-- Adiantaceae; maidenhair fern family	fern; rachis smooth and shiny; lv segments fan-shaped, with a tiny white annular joint at base; sink walls, grottos, and limestone ledges; Alachua, Citrus, Dade, Hernando, Hillsborough, Marion, Pinellas, St. Johns and Volusia cos.

☼☼= line drawing.

☼☼= photograph.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
<p>6. <i>Aeschynomene pratensis</i> Small</p> <p><i>A. pratensis</i> var. <i>pratensis</i> is endemic to FL. ✪✪Chafin var. <i>caribaea</i> Rudd is a tropical complex, widely distributed.</p>	<p>Isely, 185-186 Long and Lakela, 488 Small, 727✪☉ Wunderlin, 341-342</p>	meadow jointvetch	<p>Leguminosae/ Fabaceae; legume family Papilionoid eae; pea subfamily</p>	<p>perennial herb to 2 m tall; petiole 3-8 cm long; 20-24 lflets, with prominent midvein, entire; yellow to orange petals; legume with distinctly crenate loment; pineland margins; (Broward), Collier, Dade and Monroe cos. Blooms all year.</p>
<p>7. <i>Ageratum littorale</i> A. Gray</p> <p>FL, West Indies, Central America</p>	<p>Cronquist, 194 Long and Lakela, 870 Small, 1319✪☉ Wunderlin, 604</p>	<p>Cape Sable whiteweed seashore ageratum</p>	<p>Compositae/ Asteraceae; daisy family tribe: Eupatorieae</p>	<p>herb; lvs opposite, succulent, glabrous; corollas blue; achenes 5-angled; pappus a tiny crown of scales; hammocks and along the shore; Monroe Co.- from Lignum Vitae Key to Key West.; all year.</p>
<p>8. <i>Agrimonia incisa</i> Torrey and A. Gray</p> <p>FL, SC, GA, MS</p>	<p>Clewell, 466 Radford <i>et al.</i>, 547 Small, 616 Wunderlin, 327</p>	<p>harvest-lice incised agrimony</p>	<p>Rosaceae; rose family. Spiraeoideae; spirea subfamily</p>	<p>herb, to 1 m tall; stem unarmed; lflets 7-9, unequal, stipules prominent, terminal lflet less than 2.5 cm long, sessile and amber glands on lower leaf surface; hypanthium to 2 mm long; petals to 2 mm long; sandhills, woods and thickets; Alachua, Calhoun, Citrus, Escambia, Hernando, Jackson, Madison, Marion, Suwannee, Wakulla and Washington cos.; Sep-Oct.</p>
<p>9. <i>Aletris bracteata</i> Northrup</p> <p>Included in <i>A. farinosa</i> L. by Correll and Correll, Long and Lakela Wunderlin distinguishes the panhandle <i>A. farinosa</i> from <i>A. bracteata</i>. FL to New England and Ontario, west to WI and TX</p>	<p>Clewell, 351 Correll & Correll, 297-299✪☉ Long and Lakela, 294 Radford <i>et al.</i>, 302✪☉ Small, 316 Wunderlin, 205-206</p>	bracted colic-root	<p>Melanthiaceae; bunchflower family or, Liliaceae; lily family</p>	<p>perennial herbs with rhizomes; lvs mostly basal and linear, stem lvs reduced; stems to 60 cm tall; perianth white, 5-8 mm long, cylindrical or constricted above the middle, slightly granular; capsule conic; pine rocklands, marl prairies; (Collier), Dade and Monroe [incl. Keys], cos.; all year.</p>
<p>10. <i>Alvaradoa amorphoides</i> Liebm.</p> <p>✪✪Atlas; Chafin S FL, Mexico, Central America, West Indies, South America</p>	<p>Correll and Correll, 737-738✪☉ Long and Lakela, 517 Small, 763-764✪☉ Wunderlin, 386-387</p>	<p>alvaradoa Mexican alvaradoa</p>	<p>Picramniaceae, or Simaroubaceae; picramnia family, or quassia family</p>	<p>shrub or small tree; leaflets 19 to 51, 1-2.5 cm long, with appearance of <i>Amorpha</i>; lvs alternate; flowers tiny, green or yellowish, in drooping racemes, pistillate racemes up to 13 cm long, staminate ones to 20 cm long; fruits samaras, densely pubescent; pine rocklands, rockland hammocks; Dade Co. (Monroe Co. record is error.)</p>
<p>11. <i>Amorpha crenulata</i> Rydb.</p> <p>Endangered Species Act, 1973; Fed. Register, 18 July 1985. Isely uses <i>A. herbacea</i> Walter var. <i>crenulata</i> (Rydb.) Isely. Wunderlin concurs. ✪✪Chafin endemic</p>	<p>Isely, 73 Long and Lakela, 478 Small, 690 Wunderlin, 343</p>	Miami lead plant	<p>Leguminosae/ Fabaceae; legume family Papilionoid eae; pea subfamily</p>	<p>shrub; to 3 m tall; not hairy; leaflets 25-33, crenulate (with small rounded teeth), terminal gland on leaflets; lflet stalks 1.5-2 mm long; corollas white, single petal 6 mm long; vacant lots, pine rockland, marl prairie, fire-maintained; Dade Co.; Feb-Aug.</p>
<p>12. <i>Anemia wrightii</i> Baker ex Hook. and Baker</p> <p>✪✪Chafin Florida, Cuba</p>	<p>Correll and Correll, 7 FNA, 118 Wunderlin, 38</p>	<p>parsley fern Wright's pineland fern</p>	<p>Pteridophyta-- Anemiaceae/ Schizaeaceae.</p>	<p>fern; less than 15 cm tall; 2-compound, papery to leathery, 2-4 pairs of segments; ultimate segments of sterile fronds oblanceolate, very narrow at base and deeply toothed at tip; fertile fronds with sporangia on all segments, blade tissue lacking; solution holes in rockland hammocks; Dade Co.</p>

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
13. <i>Aquilegia canadensis</i> L. [<i>A. canadensis</i> var. <i>australis</i> (Small) Murz is intended.] Nova Scotia to Saskatchewan, south to FL and TX	Clewell, 460 Gleason and Cronquist, 60 Radford <i>et al.</i> , 454-454☉ Small, 514☉ Ward, 130 Wunderlin, 298-299	columbine wild columbine	Ranunculaceae; buttercup family	herb; pendent red and yellow fls, complex structure with hollow spur; woodlands, Jackson, Liberty and Washington cos.; Mar-Apr.
14. <i>Arabis canadensis</i> L. ☉☉Atlas ME to MN, south to FL and TX	Clewell, 339 Gleason and Cronquist, 192 Radford <i>et al.</i> , 510-511☉ Small, 572 Wunderlin, 311-312	sicklepod	Cruciferae/ Brassicaceae; mustard family	herb; median lvs not auriculate-clasping hairy; petals white to pinkish; fruit pod flattened, long and narrow; rich woods, limestone outcrops; Jackson and Liberty cos.; Mar-Apr.
15. <i>Argusia gnaphalodes</i> (L.) Heine [In 1998 Rule, listed as: <i>Tournefortia gnaphalodes</i> (L.) R.Br. ex Roem. and J.A. Schult.] ☉☉Atlas; Bell and Taylor, p. 232; Scurlock, p.109 FL, West Indies, Mexico, Central America	Correll and Correll, 1208-1209☉☉as <i>Mallotonia</i> Long and Lakela, 731☉☉ Ward, 101-102 Wunderlin, 515	sea lavender (<i>Limonium carolinianum</i> is also sea lavender) bay lavender	Boraginaceae; borage family	shrub up to 2 m tall; lvs oblanceolate, to 10 cm long, with silky hairs, succulent; corollas white, tinged pink in throat; frt conical-ovoid, hollowed at base, corky; coastal dunes, coastal rock barrens; Brevard, Broward, Dade, (Martin), Monroe [Keys only], Palm Beach and St. Lucie cos.; all year.
16. <i>Argythamnia blodgettii</i> (Torr.) Chapman ☉☉Chafin endemic	Long and Lakela, 558 Wunderlin, 391-394	Blodgett's wild mercury Blodgett's silverbush	Euphorbiaceae; spurge family	plants to 60 cm tall; hairs T shaped, with 2 arms; alternate lvs, to 4 cm long; fls meager; seed with caruncle; pine rocklands, wet margins and openings of hammock, coastal rock barrens; Dade and Monroe [Keys only] cos.; all year.
17. <i>Aristida simpliciflora</i> Chapman FL and MS	Clewell, 123-124 Hall, 232 Hitchcock, 480-481 Small, 94-96 Wunderlin, 86-89	Chapman's three-awn, southern three-awn	Gramineae/ Poaceae; grass family	perennial herb, to 1.1 m tall; sheaths not lanate; lvs flat, 1 mm wide, to 15 cm long, not villous at base; infl. 10-20 cm long, slender, few-flowered; spikelets paired, 1 pedicellate and 1 sessile; glumes 6-7 mm long, awned; lemma shorter than glumes, 3 awns, central awn 1-1.4 cm, basally reflexed with a semicircular bend, lateral shorter, spreading horizontally; moist pine woods, fields; Franklin, Hillsborough, Jackson, Okaloosa and Santa Rosa cos.; Oct-Nov.
18. <i>Aristolochia pentandra</i> Jacq. ☉☉Chafin FL and West Indies	Correll and Correll, 439-440☉☉ Long and Lakela, 370 Small, 1281-1282 Wunderlin, 268-269	Marsh's Dutchman's pipe, coastal aristolochia, pitcher-plant	Aristolochiaceae; birthwort family	herbaceous vine; lvs cordate, 5-10 cm long; calyx tube swollen at base on one side (vs. middle), the flared part (limb) narrow and long-pointed, veined; 5 stamens; capsule globose; hammocks; Dade and Monroe [Keys only] cos.; all year.
19. <i>Aristolochia tomentosa</i> Sims IN to KS, south to GA, FL and TX	Clewell, 248 Gleason and Cronquist, 44 Godfrey, 156-157 Godfrey and Wooten II, 64 Small, 1282 Wunderlin, 268-269	pipevine wooly Dutchman's pipe	Aristolochiaceae; birthwort family	woody vine, high-climbing; lvs ovate, hairy, new growth densely and softly hairy; fls bent into Meerscham pipe shape, yellowish with purple orifice; fruit a capsule; floodplain forests; Bay, Calhoun, Escambia, Gadsden, (Gulf), Holmes, Jackson, Liberty, Santa Rosa and Washington cos.; Apr.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
27. <i>Asplenium verecundum</i> Chapm. ex L. Underw. Kartesz: <i>A. myriophyllum</i> (Sw.) C. Presl ✪✪Chafin endemic	Clewell, 47, as <i>A. myriophyllum</i> FNA, 244-245 Lakela and Long, 122-123✪✪ Small: ferns, 162-163✪☉ Wunderlin, 51-53	delicate spleenwort modest spleenwort	Pteridophyta-- Polypodiaceae/ Aspleniaceae; spleenwort family	fern; fronds to 30 cm long and 5 cm wide; segments alternate on rachis, each further divided into 1 to 5 parts: "lacy" appearance; spores uniform and normal; limestone in grottoes, on cliffs and boulders in shaded woods; Alachua, Citrus, Columbia, Dade, Gilchrist, Hernando, Jackson, Liberty, Marion, Orange, Sumter and Taylor cos.
28. <i>Aster hemisphericus</i> Alexander Wunderlin (1998) and Kartesz (1994): <i>A. paludosus</i> ssp. <i>hemisphericus</i> (Alexander) Cronq. Atlas: <i>Eurybia hemispherica</i> (Alexander) G.L. Nesom MO, KS, TX, AR, TN, LA, MS, AL, GA	Clewell, 293 Cronquist, 156, as <i>A. hemisphericus</i> Small, 1391 Wunderlin, 607-610	aster southern swamp aster	Compositae/ Asteraceae; daisy family tribe: Asteraeae.	basal and cauline lvs grass-like; head with subtending leaf-like bracts; peduncles stout, 2-10 cm long; upland mixed open woods, sandstone outcrops; Escambia and Washington cos.
29. <i>Aster spinulosus</i> Chapman Atlas: <i>Eurybia spinulosa</i> (Chapm.) G. L. Nesom ✪✪Chafin endemic	Clewell, 294 Cronquist, 157 Godfrey and Wooten II, 828 Small, 1392 Wunderlin, 607-610	pinewoods aster Apalachicola aster	Compositae/ Asteraceae; daisy family tribe: Asteraeae.	basal and cauline lvs grass-like, reduced upwards, lvs entire except sometimes remotely spinulose-toothed margins; peduncles up to 1 cm long, individual heads with 8-15 ray flrs; moist to dry pinelands and swamps; Bay, Calhoun, Franklin, Gulf and (Washington) cos.; Jul-Aug.
30. <i>Baccharis dioica</i> Vahl FL and West Indies	Correll and Correll, 1454-1456 Cronquist, 167 Long and Lakela, 850-851 Small, 1397-1398✪☉ Wunderlin, 611	broombush falsewillow, Vahl's baccharis, broom-bush, groundsel tree	Compositae/ Asteraceae; daisy family tribe: Asteraeae.	shrub, many branches, to 3 m tall; lvs spatulate-obovate, 2-4 cm long, 1-2 cm wide, entire, leathery, gland-dotted; staminate heads with about 20 flrs, pistillate heads ca. 50 flrs; pappus on achenes white, 8-14 mm long; hammocks, dune hollows; Dade Co. ; fall. Extirpated?
31. <i>Balduina atropurpurea</i> Harper ✪✪Chafin FL, GA, SC	Cronquist, 83 Godfrey and Wooten II, 801 Radford <i>et al.</i> , 1120 Small, 1455, as <i>Endorima atropurpurea</i> ✪☉ Wunderlin, 611	purple balduina purpledisk honeycomb-head	Compositae/ Asteraceae; daisy family tribe: Heliantheae.	herbaceous perennial; lower cauline lvs 7-30 cm long and to 1 cm wide [<i>B. uniflora</i> s to 10 cm long]; 2 to 4 heads per plant; disk flowers dark purple [<i>E. uniflora</i> s yellow], honey-comb-like receptacle, ray flowers yellow; pitcher plant bogs, moist pinelands, borders of shrub-tree bogs and bays; Clay, Nassau and Putnam cos.; fall.
32. <i>Baptisia megacarpa</i> Chapman ex Torrey and A. Gray AL, FL, GA	Clewell, 399 Isely, 114 Small, 677 Ward, 9-10✪☉ Wunderlin, 344-345	Apalachicola wild-indigo	Leguminosae/ Fabaceae; legume family-- Papilionoideae; pea subfamily	perennial herb to 1.5 m tall; lvs trifoliolate, lf-lets 4-8 cm long, glabrous; corollas cream-colored; racemes terminal, 2 to 15 flrs; legume pendent, inflated; moist soil, woodlands, ravine slopes, adjacent to streams; Bay, Gadsden, Holmes, Leon, Liberty and (Washington) cos.; May.
33. <i>Basiphyllaea corallicola</i> (Small) Ames ✪✪Chafin FL, West Indies	Correll and Correll, 340-341✪☉ Long and Lakela, 323 Luer, 228-230✪✪ Small, 393✪☉ Wunderlin, 227-232	Carter's orchid	Orchidaceae; orchid family	terrestrial; to 40 cm tall; fleshy corms; lvs 1 (occasionally 2), thin, to 12 cm long and 5 mm wide, sessile; infl with 3-10 flrs; flrs with greenish sepals and petals, con verging over the lip, shallow pockets in rock of pine rockland; Dade and Monroe [Keys only] cos.; winter, but blooms infrequently.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
34. <i>Bigelovia nuttallii</i> L.C. Anderson ✱✱Chafin FL, GA, AL, LA, TX	Clewell, 296 Cronquist, 136 Godfrey and Wooten II, 824-825 Wunderlin., 612	Nuttall's rayless goldenrod	Compositae/ Asteraceae; daisy family tribe: Astereae.	perennial herbs to 80 cm tall; colonial; lvs narrowly linear (1-2 mm wide); upland pine flatwoods, scrub, sandstone, seepage, stream banks; Pinellas (extirpated?) and Washington cos.; Jul-Nov.
35. <i>Blechnum occidentale</i> L. Atlas: <i>B. occidentale</i> L. var. <i>minor</i> Hook. FL, GA, LA, TX, West Indies, Central and South America	FNA, 225 Lakela and Long, 100-103✱✱ Small: ferns, 138-140✱⊙ Ward, 10-11✱⊙ Wunderlin, 58	sinkhole fern New World mid-sorus fern hammock fern	Pteridophyta-- Polypodiaceae/ Blechnaceae; chain fern family	fern; stolons; usually less than ½ m tall; compound, segments with entire (or minutely serrulate) margins; segments with long sorus along midrib; sinkholes in forests; Alachua, Citrus, Hernando and Pasco cos.
36. <i>Bonamia grandiflora</i> (A. Gray) Haller f. Endangered Species Act, 1973; Federal Register, 2 Nov 1987 as threatened. ✱✱Atlas; Chafin; Taylor, p. 265 endemic	Small, 1080✱⊙ Wunderlin, 304 Ward, 71-72✱⊙ Wunderlin, 504-505	Florida bonamia Florida lady s nightcap	Convolvulaceae; morning-glory family	vine, does not twine or climb; lvs leathery, rounded at the base; sepals leathery, 2 cm long; corollas blue, funnel-form, 7-10 cm long; 2 stigmas; sandy soil, scrub; (Hardee), Highlands, Hillsborough, Lake, Manatee, Marion, Orange, Polk and Sarasota cos.; Apr-Sep.
37. <i>Bourreria cassinifolia</i> (A. Rich.) Griseb. ✱✱Chafin; Scurlock, p. 21 FL, West Indies	Long and Lakela, 727 Small, 1129✱⊙ Wunderlin, 515-516	little strongback smooth strongback	Boraginaceae; borage family	shrub; alternate, lvs entire, 1-3 cm long, glabrous, petioles less than 5 mm long; white flrs; frt orange-red, 5-7 mm wide; pine rocklands; Dade and Monroe [Keys only] cos.; all year.
38. <i>Bourreria radula</i> (Poiret) G. Don Kartesz (1994) lists <i>B. succulenta</i> var. <i>revoluta</i> (Kunth) O.E. Schulz and <i>B. revoluta</i> Kunth as synonyms of <i>B. radula</i> . Wunderlin (1998) lists both <i>B. succulenta</i> and <i>B. radula</i> . ✱✱Scurlock, p. 23 FL, West Indies	Long and Lakela, 727, as <i>B. succulenta</i> var. <i>revoluta</i> Small, 1129, as <i>B. revoluta</i> ✱⊙ Wunderlin, 515-516	rough-strongback rough strongback	Boraginaceae; borage family	shrub or small tree; lvs entire but ciliate on margins, 3-7 cm long, rough pubescent, petioles more than 5 mm long; white flrs; frt orange-red, 9-14 mm wide; hammocks and pinelands; [Keys] Monroe Co.; all year.
39. <i>Bourreria succulenta</i> Jacq. A species complex: in some views, it includes <i>B. radula</i> ; or may be divided into ten species! [James S. Miller] ✱✱Atlas FL, West Indies	Little and Wadsworth I, 466 Wunderlin, 515-516	pigeon-berry bodywood Bahama strongback	Boraginaceae; borage family	small tree or shrub; lvs 4-12.5 cm long, 1-7.5 cm wide, blunt or notched at tip, lower surface with fine hairs, upper surface glabrous; petioles .5-1 cm long; flrs white; frts orange-red, ca. 1.5 cm wide; hammocks; Dade and Monroe [Keys only] cos.; all year.
40. <i>Brassia caudata</i> (L.) Lindl. FL, West Indies, Mexico, Central and South America	Long and Lakela, 335 Luer, 252-254✱✱ Small 396✱⊙ Wunderlin, 227-232	spider orchid long-tailed brassia cricket orchid	Orchidaceae; orchid family	epiphyte; pseudobulbs flattened; lvs 2, to 30 cm long and 5 cm wide; infla raceme, to 15 flrs; flrs glossy yellowish with brownish splotches, petals and sepals long and slender (spidery), lip yellow with reddish-brown spots; rockland hammocks; Dade (extirpated?) and (Monroe) cos.; May-Jun.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
41. <i>Brickellia cordifolia</i> Elliott ✪✪Chafin FL, GA, AL	Clewell, 297 Cronquist, 197 Small, 1328, as <i>Coleosanthus</i> ✪☉ Ward, 131-132 Wunderlin, 613	Flyr's nemesis Flyer's [sic] nemesis Flyr's brickell-bush	Compositae/ Asteraceae; daisy family tribe: Eupatorieae.	perennial herb; velvety, especially under lvs; lvs opposite, cordate; several heads, each with many flrs; flrs purple to dark rose or lavender, 6-9 mm long; pappus purplish, capillary; upland hardwoods; Alachua, Gadsden, Jackson, Jefferson and Leon cos.; Sept-Oct
42. <i>Brickellia mosieri</i> (Small) Shinnars Cronquist uses <i>Kuhnia eupatorioides</i> L. var. <i>gracilis</i> T. and G. Kartesz uses <i>B. eupatorioides</i> L. var. <i>floridana</i> (R.W. Long) B.L. Turner ✪✪Chafin endemic	all use <i>Kuhnia</i> : Cronquist, 197-198 Long and Lakela, 876 Small, 1329✪☉ Wunderlin, 613-614	brickell-bush false boneset Mosier's false boneset	Compositae/ Asteraceae; daisy family tribe: Eupatorieae.	perennial; stems several; lvs alternate, numerous, gland-dots beneath, up to 10 cm long, 3 mm wide, entire or with tiny teeth; flrs tubular, yellow; pappus bristles plumose; pine rocklands, sandy soil over limestone; Dade Co.; Aug-Sep.
43. <i>Bulbophyllum pachyrachis</i> (A.Rich.) Griseb. variant spellings: <i>B. pachyrachis</i> , <i>B. pachyrhachis</i> FL, West Indies, Mexico, Central and South America	Long and Lakela, 334 Luer, 180-182✪✪ Ward, 11-12 Wunderlin, 227-232	rat-tail orchid	Orchidaceae; orchid family	epiphyte on <i>Annona glabra</i> ; with short pseudobulbs, each with 2 lvs, thickened flaxis; many small flrs, greenish-yellow speckled with reddish-purple, lip appears tongue-like; strand swamps; Collier Co. (extirpated?); Nov-Jan.
44. <i>Bumelia anomala</i> (Sargent) R. B. Clark Wunderlin uses: <i>Sideroxylon alachuense</i> L. Anderson ✪✪Chafin endemic	Godfrey, 631-633✪☉ SIDA 17(3): 565-567 [1997] Wunderlin, 661	Clark's buck-thorn silver buckthorn silver bully	Sapotaceae; sapote family	shrub; stems glabrous (or whitish hairs very early), gray or silvery; lower surface of lvs with silvery pubescence, upper surface dark green; clusters of flrs on spur shoots, pedicels 4-5 mm; hardwood hammocks; Alachua, Marion and Orange cos.; Jul.
45. <i>Bumelia lycioides</i> (L.) Pers. <i>Sideroxylon lycioides</i> L. is the accepted name by Pennington. ✪✪Chafin VA to IL and MO, s to FL and TX	Clewell, 478 Godfrey, 633, 635, 636✪☉ Godfrey and Wooten II, 505 Radford <i>et al.</i> , 825-826✪☉ Small, 1034 Ward, 132-133 Wunderlin, 483-484	buck-thorn mock-orange ironwood shittimwood buckthorn bully	Sapotaceae; sapote family	shrub or small tree; lvs persistent, glabrous except for midrib, widest at the middle, 4-14 cm long, apex acute; corollas 5 mm wide, flrs borne on spur shoots; berry oval, 10 mm long; hammocks, floodplains; Alachua, Clay, Dixie, Escambia, Gadsden, Jackson, Jefferson, Liberty, Marion, Orange, Putnam, Santa Rosa and (Wakulla) cos.; April.
46. <i>Bumelia thornei</i> Cronq. <i>Sideroxylon thornei</i> (Cronq.) T. D. Pennington ✪✪Atlas; Chafin FL, GA	Godfrey, 639, 641 Wunderlin, 483-484	Thorne's buck-thorn Georgia bully	Sapotaceae; sapote family	shrub; stems glabrous (or with whitish hairs very early), green or brown; lvs green and glabrous, upper surface faintly reticulate veined, veins not bony-cartilaginous; berries dull black, 8-10 mm long; margins of ponds; Escambia, Franklin, Gulf and Jackson cos.
47. <i>Burmannia flava</i> Martius ✪✪Chafin FL, Cuba, Central America	Godfrey and Wooten I, 623 Long and Lakela, 306 Ward, 133-134 Wunderlin, 227	Fakahatchee burmannia Fakahatchee bluethead	Burmanniaceae; burmannia family	herb; slender; usually 1 flr; cauline lvs scale-like; floral wing yellow, narrow; wet flatwoods, Big Cypress Swamp; Collier and Lee cos.; Jan.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
48. <i>Caesalpinia major</i> (Medik.) Dandy and Exell See Isely for synonymy, or Godfrey and Wooten II, 239. [See Bell and Taylor, 156, for <i>C. bonduc</i> , the weedy tree] FL, pantropical	Isely, 29 Long and Lakela, 461 Small, 667, as [sic, see Isely] <i>Guilandina bonduc</i> ☉ Wunderlin, 346	yellow nicker yellow nicker bean Hawaii pearls [Gray nicker, <i>C. bonduc</i> , invades ruderal areas]	Leguminosae/ Caesalpinioideae; legume family Caesalpinioideae, cassia subfamily	vine to 5 m long, armed with prickles; lvs cpd, 3-5 pinnae, 4-7 pairs lflets; stipules inconspicuous to absent; flrs orange-yellow petals, stamens shorter than petals; legumes 4-9 cm long and wide, prickly; seeds 1.5 to 2 cm wide, dull yellow; coastal sands, hammocks; Dade, Martin, Monroe [Keys only] and Palm Beach cos.; all year.
49. <i>Caesalpinia pauciflora</i> (Griseb.) C. Wright ex Sauvalle ☉☉Atlas; Chafin FL and West Indies	Isely, 29-30 Long and Lakela, 461 Small, 667 Wunderlin, 346	fewflower holdback	Leguminosae/ Caesalpinioideae; legume family Caesalpinioideae, cassia subfamily	scrambling shrub, to 2 m; armed with prickles; lvs cpd, 3-5 pinnae, 4-7 pairs lflets, stipules inconspicuous or as prickles; flrs yellow petals, stamens longer (slightly) than petals; legume papery, 2-4 cm and .8- 1 cm, not prickly; seed less than 1 cm wide; hammocks, dry pinelands, palmetto-pine, roadsides; Monroe Co. [Keys only]; all year.
50. <i>Calamintha georgiana</i> (R. M. Harper) Shinnars ☉☉Atlas FL, NC, SC, GA, AL, MS, LA	Clewell, 379-381 Godfrey, 403, 404 Radford <i>et al.</i> , 916 Wunderlin, 528☉	Georgia calamint Georgia satreja Georgia basil	Labiatae/Lamiaceae; mint family	low, sprawling shrub, exfoliating bark; lvs indistinctly punctate, sparsely pubescent, to 3.5 cm long, ovate, those on short branches appear fascicled; flrs 3 per axil of each leaf pair, 2-lipped, white tube and lips lavender-pink with darker purple spots on lower lip; 4 1 mm wide nutlets; dry woodlands, ancient terraces along rivers and streams; Holmes and Escambia cos. Fall.
51. <i>Callirhoe papaver</i> (Cav.) A. Gray ☉☉Atlas; Bell and Taylor, p. 100 FL, TX to MO, GA	Clewell, 427 Small, 852 Ward, 72-73☉ Wunderlin, 426-427	poppy mallow woodland poppy mallow	Malvaceae; mallow family	perennial herb; deep taproot; to 1/3 m tall; lvs with 5 linear lobes; flrs 1 per flower stalk, deep crimson or magenta, about 6 cm across; calyx with 3 thin bracts beneath; upland mixed forest, roadside; Alachua, Gadsden, Jackson and Leon cos. Mar-Jun, Aug (2nd flowering period).
52. <i>Calopogon multiflorus</i> Lindl. ☉☉Atlas; Chafin; Taylor, p. 242 FL, MS, AL, GA	Clewell, 184-185 Godfrey and Wooten I, 660-661☉ Long and Lakela, 316 Luer, 60-62☉☉ Small, 377, as <i>Limodorum</i> Wunderlin, 233	many-flowered grass- pink	Orchidaceae; orchid family	terrestrial; to 30 cm tall; lvs 1 or 2, to 10 cm long and 3 mm wide; infl racemose, dense, up to 15 flrs; flrs deep-rose, petals widest above the middle, lip uppermost and with a tuft of bright orange hair; damp pinelands and meadows (fire maintained); historic records from: Alachua, Brevard, Clay, Collier, Dade (extirpated?), Dixie, Duval, Franklin, Hardee, (Hernando), Highlands, (Hillsborough), Indian River, Lee, Levy, Liberty, Manatee, (Martin), Nassau, Okaloosa, Orange, Pasco, Pinellas, Putnam, Sarasota, Seminole, St. Johns, St. Lucie and Walton cos.; Mar-Jul.
53. <i>Calycanthus floridus</i> L. ☉☉Atlas; Bell and Taylor, p. 62 NY, PA and OH, south to FL and MS	Clewell, 259 Gleason and Cronquist, 40 Godfrey, 177-179☉ Godfrey and Wooten II, 233, 234☉ Radford <i>et al.</i> , 476-477☉ Small, 631 Wunderlin, 305	sweet shrub Carolina-allspice bubby-shrub	Calycanthaceae; calycanthus family	shrub, colonial; aromatic; lvs opposite, to 14 cm long, entire margins; flrs with many maroon tepal; poisonous achenes inside a fleshy receptacle; slope forest, bottomland forest; Escambia, Franklin, (Gadsden), Jackson, Leon, Liberty, Okaloosa, Santa Rosa, Suwannee and Walton cos.; spring.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
54. <i>Calypttranthes zuzygium</i> (L.) Sw. ✠Atlas; Chafin; Scurlock, p. 33 FL, West Indies	Correll and Correll, 1040-1041 Long and Lakela, 642 Small, 938 Wunderlin, 453	myrtle-of-the-river	Myrtaceae; myrtle family	shrub or small tree; stem not winged; lvs opposite, subsessile; in flor. glabrous; flrs apetalous; calyx lid-like, deciduous at flowering; berry dark red, 8-10 mm wide; rockland hammocks, maritime hammocks; Dade and Monroe [incl. Keys] cos.
55. <i>Calystegia catesbaeiana</i> Pursh variant spellings: <i>C. catesbeiana</i> , <i>C. catesbiana</i> ✠Chafin NC, SC, GA, FL	Austin, Fl. Scientist vol.55, p.59 Clewell, 331 as <i>C. spithamaea</i> Radford <i>et al.</i> , 864-865✠ Wunderlin, 505	Catesby's bindweed Catesby s false bindweed	Convolvulaceae; morning-glory family	herb; stems erect or decumbent, rarely twining; lvs to 5 cm long, basally lobed; flrs axillary from lower axils only; corollas white, to 5 cm long and wide; wiregrass-longleaf pine, sandhill; Jackson Co.; Apr.
56. <i>Campanula robinsiae</i> Small Federal Register, 27 July 1989 ✠Chafin endemic	Small, 1289-1290 Wunderlin, 589	Chinsegut bellflower Robin s bellflower	Campanulaceae; bellflower family	annual herb, sprawling; lv margins entire or faintly toothed; solitary open flrs, deep purple, 7-8 mm wide, sepals 1 to 2.5 mm long; many inconspicuous cleistogamous fls; edge of ponds, wet hammocks; Hernando Co.; Apr.
57. <i>Campylocentrum pachyrrhizum</i> (Reichenb. f.) Rolfe ✠Bell and Taylor, p.28; Chafin FL, West Indies, S America	Long and Lakela, 327 Luer, 274-276✠ Small, 398 Ward, 12-13 Wunderlin, 227, 233	leafless orchid ribbon orchid leafless bentspur orchid	Orchidaceae; orchid family	epiphytic on pond apple, pop ash, etc.; no lvs; abbreviated stem; roots synthesize, dark green to red and not spotted; many flrs, densely 2-ranked, sessile flrs, yellow to orange; Fakahatchee Strand, Collier and Lee cos.; Sep-Oct.
58. <i>Campyloneurum angustifolium</i> (Swartz) Fée synonym: <i>Polypodium angustifolium</i> Swartz ✠Chafin FL, West Indies, Mexico, Central and South America	FNA, 328 Lakela and Long, 92-93✠ Long and Lakela, 82 Small: ferns, 85-86✠ Ward, 13-13 Wunderlin, 45	narrow strap fern	Pteridophyta-- Polypodiaceae; polypody family	epiphytic fern; lvs nearly linear, up to 40 cm long, entire margins, no indusia, scattered sori; epiphyte; rockland hammocks, strand swamps; Collier, Dade (extirpated?) and Monroe [not Keys] cos.
59. <i>Campyloneurum costatum</i> (Kuntze) C. Presl FL, West Indies, Central and South America	FNA, 328 Lakela and Long, 94-95✠ Long and Lakela, 83 Small, fern, 88, 90-91✠ Wunderlin, 45	tailed strap fern	Pteridophyta-- Polypodiaceae; polypody family	epiphytic fern; recognized by the long slender tip of the strap-like frond (leaf); leaf blade to 40 cm long and 6 cm wide, leathery, tip abruptly attenuate (tailed); veins obscure; strand swamps, rockland hammocks; Dade (extirpated?) and Collier cos.
60. <i>Campyloneurum latum</i> T. Moore FL, West Indies, Mexico, Central and South America	FNA, 329 Lakela and Long, 95 Long and Lakela, 83 Small, ferns, 88-89✠	wide strap fern	Pteridophyta-- Polypodiaceae; polypody family	epiphytic fern; leaf blade to 60 cm long and 9 cm wide, leathery, tip acute but not tailed, vein prominent, dark-green; rockland hammocks; Dade (extirpated?) and Monroe cos. (Native to Florida?)

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
61. <i>Canella winteriana</i> (L.) Gaertn. ✱Atlas; Scurlock, p. 34 FL, West Indies	Correll and Correll, 532-533✱ Long and Lakela, 614✱ C. <i>alba</i> Small, 865 Wunderlin, 441	wild-cinnamon cinnamon-bark pepper cinnamon	Canellaceae; wild cinnamon family	tree to 10 m tall; stems with large lf scars; lvs aromatic and dotted with glands, alternate, obtuse tips, cuneate base; flrs small, with 3 sepals, 5 petals, crimson, stamen tube, anthers reddish; berry crimson to black, 1 cm wide; maritime and rockland hammocks; Collier, Dade and Monroe [incl. Keys] cos.; summer, fall.
62. <i>Carex chapmanii</i> Steud. endemic	Clewell, 82 Small, 214 Wunderlin, 150	Chapman s sedge	Cyperaceae; sedge family	herb; caespitose, clumps with horizontal stolons; stems to 30 cm tall; terminal spike staminate, scales yellowish-brown; 2-4 pistillate spikes, achene sac with prominent beak 1.5 mm long, achene triangular; hammocks, woodlands; Alachua, Clay, Citrus, Columbia, Dixie, Duval, (Franklin), Hernando, Hillsborough, Jefferson, Lake, Levy, Marion, Orange, Osceola, Pasco, Polk, Putnam, Seminole, St. Johns, Sumter, Taylor, Volusia and Wakulla cos.; spring.
63. <i>Carex microdonta</i> Torrey and Hooker FL, LA, MS, MO, OK, TX	Correll and Johnston, 324 Godfrey and Wooten I, 437, 440 Small, 219 Wunderlin, 152	little-tooth carex little tooth sedge	Cyperaceae; sedge family	herbaceous perennial with creeping rhizomes to 15 cm long; 2-5 spikelets per stem; terminal spikelet staminate; lower pistillate spikelet emerges from sheath of stem bracts; achene sac 2.5-4 mm long, basally rounded, with 0.7 mm tubular beak with tiny 2-toothed apex, reddish-brown; achenes 3-sided; upland glades; Gadsden Co.; spring.
64. <i>Cassia keyensis</i> (Pennell) J. F. Macbr. Isely uses <i>Chamaecrista lineata</i> (Swartz) Greene var. <i>keyensis</i> (Pennell) Irwin and Barneby. ✱Atlas; Scurlock, p. 40 FL, West Indies	Isely, 33 Long and Lakela, 457 Small, 663 Ward, 73-74✱ Wunderlin, 348	Keys cassia Big Pine partridge pea narrowpod sensitive pea	Leguminosae/ Caesalpinia ceae; legume family Caesalpinioideae, cassia subfamily	perennial with woody rootstock; numerous stems, prostrate; lvs alternate, cpd with 4-7 pairs of lf-lets; petiole below 1st pair of lf-lets has a small flat gland; flrs axillary; 2 bracteoles; flr 2 cm across, 5 yellow petals with orange markings basally; 10 stamens, anthers red or yellow and red; bean with 8-12 seeds; pine rocklands, resistant to fire; Dade and Monroe [Keys only] cos.; Apr-Nov.
65. <i>Catesbaea parviflora</i> Swartz ✱Atlas; Chafin; Scurlock, p. 43 FL, West Indies	Correll and Correll, 1381-1383 Small, 1257-1258 Ward, 14-15✱ Wunderlin, 576	small-flowered lily thorn	Rubiaceae; madder family	shrub, up to 2 m tall; stiff, clothed with small lvs (to 1 cm long) from which spines protrude; flrs single on spur shoots, white, 4 mm long, 4 lobed; frt 2-4 mm long; pine rocklands, dunes, coastal strand; Monroe Co. [Keys only].
66. <i>Catopsis berteroniana</i> (J.A. and J.H. Schultes) Mez FL, West Indies, Central and South America	Correll and Correll, 273-274 Long and Lakela, 268 Small, 272 Ward, 74-75 Wunderlin, 193	airplant powdery strap airplant	Bromeliaceae; pineapple family	epiphyte; rosettes to 7 dm tall; lvs yellowish green, white powdery covering; scape stout, erect, with 15-50 flrs; petals white, shorter than sepals; anthers open daytime; seeds sprout on capsule; tidal swamp, rockland hammocks; (Collier), Dade and Monroe [not Keys] cos.; all year.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
67. <i>Catopsis floribunda</i> L. B. Smith FL, West Indies, Central and South America	Correll and Correll, 274-275☉ Long and Lakela, 268 Wunderlin, 193	many-flowered airplant Florida strap airplant	Bromeliaceae; pineapple family	epiphyte; to 7 dm tall; blades long-attenuate from dilated bases; flowering stalk with 15-50 flrs; sepals 9 mm or less long; petals yellow or white, exceed sepals, anthers open daytime; strand swamp, rockland hammocks; Broward, Collier, Dade and Monroe cos.
68. <i>Catopsis nutans</i> (Swartz) Griseb. endemic?	Long and Lakela, 268 Small, 272 Ward, 15-16☉ Wunderlin, 193	nodding catopsis nodding strap airplant	Bromeliaceae; pineapple family	epiphyte; small rosettes, with lvs to 14 cm long, blades taper to acute tip; flower stalk with 3-10 flrs; orange-yellow flrs, ca. 2 cm long, anthers open night; sepals 15+ mm long; deep cypress swamp; Fakahatchee Strand, Collier Co.; Aug-Oct.
69. <i>Celosia nitida</i> Vahl FL, TX, West Indies, Central and South America	Correll and Correll, 477-478☉ Correll and Johnson, 553 Long and Lakela, 384 Small, 471 Wunderlin, 283	West Indian cock s- comb albahaca slender celosia	Amaranthaceae; amaranth family	perennial herb to 1.5 m tall; young stems reddish; lvs alternate, deltoid-ovate; flrs with no petals and in spikes to 3 cm long, sepals ca. 5 mm long, brownish, firm; both anthers and pistils; numerous seeds ca. 1 mm long; hardwood hammocks, coastal dunes; Dade, Lake, Lee, Monroe [Keys only] cos.; summer.
70. <i>Celtis iguanaea</i> (Jacq.) Sarg. ☉☉Chafin FL, West Indies, Mexico, Central and South America	Correll and Correll, 412-413☉ Long and Lakela, 359 Small, 443 Ward, 16-17 Wunderlin, 260	iguana hackberry [iguanas eat the fruit]	Ulmaceae; elm family	shrub, spreading; stipular spines; alternate lvs papery, 3-nerved, margins with tiny teeth, not sandpapery; yellowish-green flrs; drupes 8-12 mm long, edible; medicinal uses; shell mounds, tidal swamps; Lee and Collier cos.
71. <i>Celtis pallida</i> Torrey FL, TX, Mexico	Long and Lakela, 359 Small, 443 Ward, 17-18☉ Wunderlin, 260-261	spiny hackberry desert hackberry	Ulmaceae; elm family	shrub; stout straight spines at nodes; lvs succulent, obtuse, less than 2.5 cm long, margins with rounded teeth, rough texture like sandpaper; flrs in summer; yellow to orange drupes in fall; shell mounds, maritime hammocks; Mound Key in Lee Co.; Jun-Aug.
72. <i>Centrosema arenicola</i> (Small) F. J. Herm. ☉☉Chafin endemic	Isely, 117 Small, 721, as <i>Bradburya</i> Wunderlin, 347-348	sand butterfly pea pineland butterfly pea	Leguminosae/ Fabaceae; legume family Papilionoidae; pea subfamily	perennial herbaceous vine to 3 m long; 3 lflets, 2-5 cm long, ovate-lanceolate, coriaceous; dorsal calyx lobe 8-11 mm long, the 2-parted lower one 7-8 mm long; petals lavender, pink or white, 2.5-3 cm long, resupinate; legume linear, 7-12 cm long; open, mixed woodlands, pine or oak-palmetto thickets; Brevard, Citrus, Hernando, Highlands, Hillsborough, Lake, Marion, Orange, Pasco, Polk, Seminole, Sumter and Volusia cos.; summer, fall.
73. <i>Cereus robinii</i> (Lemaire) L. Benson Endangered Species Act, 1973; Federal Register, 19 July 1984. synonym: <i>Pilosocereus robinii</i> (Lem.) Byles and Rowley ☉☉Atlas; Chafin FL and West Indies	Benson, 572-574 Long and Lakela, 630 Small, 916-917 Ward, 19-20☉ Wunderlin, 448, as <i>Pilosocereus</i>	tree cactus Key tree cactus	Cactaceae; cactus family	tree; stems to 10 m and 8-10 cm thick; with 9 or 10 ridges; floral tube broad, less than 1.5 cm long, petals short and broad; flrs with odor of garlic; rockland hammocks; Monroe Co. [Keys only].

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
74. <i>Chamaesyce cumulicola</i> Small ✱✱Chafin endemic	Clewell, 354 Long and Lakela, 551 Small, 794 Wunderlin, 395-397	sand dune spurge coastal dune sandmat	Euphorbia ceae; spurge family	prostrate herb; stringlike, zig-zag stems; lvs similar in size, elliptic; capsule glabrous; seed terete, 1-1.4 mm long; coastal dunes, coastal scrub; Brevard, Broward, Collier, Escambia, Hemando, Highlands, Lee, Martin, Palm Beach, Pinellas, St. Johns and Volusia cos.
75. <i>Chamaesyce deltoidea</i> (Engelm. ex Chapm.) Small Endangered Species Act:1973; Federal Register 18 July 1985 as <i>Euphorbia deltoidea</i> ssp. <i>deltoidea</i> ; includes ssp. <i>adherens</i> ✱✱Chafin endemic	Long and Lakela, 551 Small, 795 Wunderlin, 397 [3 subspecies]	rockland spurge	Euphorbia ceae; spurge family	prostrate herb, delicate; lvs 2-5 mm long, obtuse, entire; capsule pubescent, ca 1.5 mm wide; pine rocklands; Mar-Nov; ssp. <i>adherens</i> , <i>deltoidea</i> , <i>pinetorum</i> -- Dade Co.; ssp. <i>serpyllum</i> -- Monroe Co. [Keys only].
76. <i>Chamaesyce garberi</i> (Engelm. ex Chapman) Small Federal Register, threatened: 18 July 1985 as <i>Euphorbia garberi</i> ✱✱Chafin endemic	Long and Lakela, 553-554 Small, 795 Wunderlin, 398	Garber's spurge	Euphorbia ceae; spurge family	prostrate herb, robust; lvs 4-9 mm long, entire to obscurely serrate; capsule pubescent, ca. 1.5 mm wide; pine rocklands, coastal berm, coastal grassland; Dade and Monroe cos.; all year.
77. <i>Chamaesyce porteriana</i> Small var. <i>keyensis</i> (Small) Burch is intended by Council; Kartesz uses: <i>C. x keyensis</i> Small ✱✱Atlas endemic	Long and Lakela, 550 Small, 795 Wunderlin, 398	Porter's spurge	Euphorbia ceae; spurge family	bushy herb, erect; lvs entire; capsules glabrous; coastal grassland, coastal strand, coastal rock barrens; Dade and Monroe [Keys only] cos.
78. <i>Cheilanthes microphylla</i> (Swartz) Swartz FL, West Indies, Mexico, Central and South America	Clewell, 47 FNA, 166 Lakela and Long, 69✱✱ Small: ferns, 130, 132✱ Ward, 134 Wunderlin, 41	southern lip fern	Pteridophyta-- Polypodiaceae; polypody family	fern; horizontal stems 1-3 mm wide, long creeping; frond 2-compound to 3-compound, lanceolate, with scattered hairs; petiole less than 25 cm long; sori continuous along margins; upland mixed forest, shell mounds, limestone outcrop in cedars; Alachua, Citrus, Collier, Dade, Duval, Monroe and Washington cos.
79. <i>Chionanthus pygmaeus</i> Small Federal Register, 21 Jan 1987 ✱✱AtlasChafin; Taylor, p. 81; Nelson, plate #107; DPI poster, plate #16 endemic	Small, 1042 Ward, 20✱ Wunderlin, 486	pygmy fringe-tree	Oleaceae; olive family	shrub; leathery, opposite, deciduous lvs with black petioles; drupe 2-2.5 cm long (<i>C. virginicus</i> less than 2 cm long); petals usually less than 1 cm long (<i>C. virginicus</i> 2-3 cm long petals); low nutrient levels, sandy, dry soil of central Fl scrub; Highlands, Hillsborough, Lake, Manatee, Osceola, Polk and Seminole cos.; Mar-Apr.
80. <i>Chrysopsis cruiseana</i> Dress Kartesz: <i>C. gossypina</i> (Michaux) Elliott ssp. <i>cruiseana</i> (Dress) Semple. Cronquist does not use or refer to <i>cruiseana</i> at all. USDA uses <i>Heterotheca</i> . endemic	Clewell, 300, as <i>C. cruiseana</i> Ward, 76-77✱ Wunderlin, 617, as Kartesz	Cruise's golden-aster	Compositae/ Asteraceae; daisy family tribe: Astereae.	herb; stems and lvs densely floccose, not grass-like; involucre not stipitate glandular, bracts pubescent or stipitate-glandular; dunes, scrub, coastal grassland, openings and blowouts; Escambia, Okaloosa, Santa Rosa and Walton cos.; Oct-Nov.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
<p>81. <i>Chrysopsis floridana</i> Small Endangered Species Act 1973; Federal Register, 16 May 1986</p> <p>✿Atlas; Chafin endemic</p>	<p>Cronquist, 112, as <i>C. scabrella</i> Torrey and Gray Long and Lakela, 856 Small, 1339 Ward, 21 Wunderlin, 617</p>	<p>Florida's golden-aster Florida goldenaster</p>	<p>Compositae/ Asteraceae; daisy family tribe: Astereae.</p>	<p>stems and lvs white cottony pubescent; upper lvs tomentose and stems hairs appressed; inflor. with many heads in panicle; bracts acute; flr head 2 cm across, yellow florets; sand pine scrub, on bare sand; Hardee, Hillsborough, Manatee and Pinellas cos.; Sep-Nov.</p>
<p>82. <i>Chrysopsis godfreyi</i> Semple</p> <p>✿Chafin FL and Baldwin Co., AL</p>	<p>Clewell, 298 Canadian J. Bot. 56 (17): 2092-2096, Semple reports that <i>C. lanuginosa</i> Small is a close relative. Wunderlin, 617</p>	<p>Godfrey's golden-aster</p>	<p>Compositae/ Asteraceae; daisy family tribe: Astereae.</p>	<p>biennial or perennial herbs, to 50 cm tall; lvs of basal rosette to 10 cm long, wooly; stem lvs linear to ovate, entire, wooly or glabrous always densely stipitate glandular, abruptly to gradually reduced below inflor.; bracts subulate with spreading to recurved tips, in 4-5 series, stipitate glandular; few heads in corymb or corymbose panicle (compare with <i>C. floridana</i>); dunes and scrub; Bay, Escambia, Okaloosa, Santa Rosa and Walton cos.</p>
<p>83. <i>Cienfuegosia yucatanensis</i> Millsp.</p> <p>✿Chafin; Scurlock, p. 51 FL, Cuba, Mexico</p>	<p>Correll and Correll, 926✿ Long and Lakela, 593 Small, 860 as <i>C. heterophylla</i> Wunderlin, 427</p>	<p>yellow hibiscus Yucatan flymallow</p>	<p>Malvaceae; mallow family</p>	<p>shrubs or woody herbs; resembles <i>Hibiscus</i>; glabrous throughout; lvs entire, 2-6 cm long, some lower lvs trilobed but most lvs ovate or elliptic; petals yellow; involucre of 6 to 9 bracts; capsule 6-8 mm long; rockland hammocks, marine tidal marsh, coastal berm, coastal rock barrens; Monroe [Keys only] and (Palm Beach) cos.; all year.</p>
<p>84. <i>Cissampelos pareira</i> L.</p> <p>FL, West Indies, Mexico, Central and South America, Africa, Australia</p>	<p>Correll and Correll, 530-531✿ Long and Lakela, 416-418✿ Small, 538 Wunderlin, 303</p>	<p>pareira brava velvety cissampelos</p>	<p>Menispermaceae; moonseed family</p>	<p>vine, to 5+ m; lvs ovate to suborbicular, entire, transparent glands, tomentose, palmately veined, tips may be notched; staminate flrs in axillary panicles, each ca. 2 mm wide, 4 united petals; pistillate flrs fewer, in bracted clusters along a rachis, 1 petal per flr, stigma 3-lobed; frt 1-seeded drupe, 4-5 mm long, hairy; hammocks; Dade Co.; summer. Extirpated?</p>
<p>85. <i>Cladonia perforata</i> Evans Federal Register, 27 April 1993</p> <p>✿Chafin endemic</p>	<p>Fed. Register</p>	<p>Florida perforate cladonia</p>	<p>lichen</p>	<p>forms dense clusters 20-60 mm tall; surface of branches glossy, smooth; circular openings just above the branching; rosemary sandhills; Highlands, Manatee, Martin, Okaloosa, Palm Beach and Polk cos.</p>
<p>86. <i>Clitoria fragrans</i> Small Federal Register, 27 April 1993 as threatened</p> <p>✿Atlas; Chafin endemic</p>	<p>Isely, 153 Small, 722 Ward, 77-79✿ Wunderlin, 349</p>	<p>pigeon wings butterfly pea sweetscented pigeonwings</p>	<p>Leguminosae/ Fabaceae; legume family Papilionoidae; pea subfamily</p>	<p>perennial herb; lvs trifoliate. Iflets have obtuse tips; chasmogamous flrs in pairs, showy, 4.5-5 cm, pale purple with purple lines on the standard, fragrant, twisted to turn flr upside down; cleistogamous flrs small and hidden in the calyx and bloom late in season; bean 5-8 cm long; sandhill, scrub, scrubby flatwoods, road side; Highlands, Lake, Orange, Osceola and Polk cos.; Apr-Jul.</p>

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
87. <i>Colubrina arborescens</i> (P.Mill.) Sarg. FL, West Indies, Mexico, Central America ☼☼Atlas; Nelson, plate #110; Scurlock, p. 59	Correll and Correll, 891-892☼☉ Long and Lakela, 581-582 Small, 834, as <i>C. colubrina</i> Wunderlin, 420	greenheart wild coffee common snake-bark bitters	Rhamnaceae; buckthorn family	shrub or tree, to 7 m tall; young stems rusty tomentose; lvs ovate, elliptic, or oblanceolate, 5-15 cm long, entire, tips blunt, acute to acuminate, shining green above, rusty pubescent below with scattered black glands; inflor axillary umbel-like cymes; flrs with 5 hooded, yellow petals ca. 2.5 mm long, opposite and enfolding the stamens; frts ca. 1 cm wide, nearly black, hard, 3-lobed capsule; hammocks; Collier and Monroe (incl. Keys) cos.; all year.
88. <i>Colubrina cubensis</i> (Jacq.) Brongn. [intended: var. <i>floridana</i> M. C. Johnston] ☼☼Atlas; Chafin FL, West Indies	Correll and Correll, 892, 893☼☉ Long and Lakela, 581 Small, 834 Wunderlin, 420	colubrina Cuban snake-bark Cuban nakedwood	Rhamnaceae; buckthorn family	shrub or small tree; stems and lvs velutinous; lvs elliptic, 4-9 cm long; peduncles usually longer than petioles; flrs as above; frts 7 mm across; hammocks, pineklands; Dade and Monroe [Keys only] cos.; all year.
89. <i>Colubrina elliptica</i> (Sw.) Briz. and Stern. ☼☼Atlas; Nelson, plate #111; Scurlock, p. 61 FL, West Indies, Mexico, Central and northern South America	Correll and Correll, 892-894☼☉ Long and Lakela, 582 Small, 832, as <i>C. reclinata</i> Wunderlin, 420	soldierwood smooth snake-bark naked-wood	Rhamnaceae; buckthorn family	shrub or tree to 20 m; trunk with serpentine-furrowed, orange-brown bark exfoliating in thin layers; young twigs finely hairy; lvs ovate, lanceolate to elliptic, thin and soft, entire, ca. 4-8 cm long, 2 marginal glands at base; flrs as above, but greenish; frt orange-red capsule, explosively dehiscent; hammocks; Dade and Monroe [Keys only]; all year.
90. <i>Conradina brevifolia</i> Shinnery Federal Register, 12 July 1993 Kartesz: <i>Conradina canescens</i> A. Gray endemic	SIDA 1:84-88, 1962 Wunderlin, 529, as Kartesz	short-leaved rosemary false rosemary	Labiatae/ Lamiaceae; mint family	very similar to <i>C. canescens</i> : shorter lvs (6.0-8.2 mm vs. 7.0-20 mm); more flrs (1-6 flrs per axil vs. 1-3 flrs per axil); sand pine scrub of Lake Wales Ridge; Highlands and Polk cos.
91. <i>Conradina etonia</i> Kral and McCartney Federal Register, 12 July 1993 ☼☼Atlas; Chafin endemic	SIDA 14(3): 391-398, 1991 Wunderlin, 529	Etonia rosemary Etonia false rosemary	Labiatae/ Lamiaceae; mint family	shrubs to 1.5 m tall; lvs with lateral veins evident on the undersurface; flrs similar to <i>C. grandiflora</i> ; anthers with long fringe of white hairs; clearings in white sand scrub; Putnam Co.; Sep-Oct.
92. <i>Conradina glabra</i> Shinnery Federal Register, 12 July 1993 ☼☼Atlas; Chafin endemic	Clewell, 382 Godfrey, 405-407☼☉ Ward, 81 Wunderlin, 529	Apalachicola rosemary Apalachicola false rosemary	Labiatae/ Lamiaceae; mint family	shrub; minty scent; much branched; lvs to 15 mm long, opposite, edges turned under, grayish because of hairs; flrs white tinged pink, dots in throat, flr tube strongly bent, in lv axils; calyx tube not hairy ["glabra"]; sandhills; [Franklin Co., not documented] Liberty and Santa Rosa cos. [Earlier collection from Santa Rosa incorrect.] Mar-Jun.
93. <i>Corallorhiza odontorhiza</i> (Willd.) Nutt. ME and VT to NY, MI, MN, south to FL, TX, Mexico, Central America	Clewell, 185 Gleason and Cronquist, 863, Luer, 178-179☼☼ Radford <i>et al.</i> , 354-355☼☉ Small, 389 Wunderlin, 233	autumn coralroot	Orchidaceae; orchid family	terrestrial, to 20 cm tall; white underground base (shaped like a tooth); saprophytic, lvs reduced to scales; flrs open partially, reddish-purple sepals and petals converge over column, lip white with purple spots, lip protrudes; upland hardwood forest; Columbia Co.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
94. <i>Cordia globosa</i> (Jacq.) Kunth FL, West Indies, Mexico, Central and northern South America ☆ Atlas; Scurlock, p. 64	Correll and Correll, 1198, 1199☆ Long and Lakela, 728 Small, 1129, as <i>Varronia</i> Wunderlin, 516	Curaçao bush bloodberry	Boraginaceae; borage family	shrub, to 3 m tall; lvs evergreen, 4 cm long, elliptic to lanceolate, toothed margins, grayish-green due to appressed hairs, veins prominent; inflor. scorpioid, terminal, head-like clusters; corollas white, short funnellform, to 9 mm long; style twice bifid; frt a fleshy red drupe partially enclosed in calyx; hammocks; Dade and Monroe cos.; all year.
95. <i>Coreopsis integrifolia</i> Poiret FL, GA, SC ☆ Chafin	Clewell, 302-304 Cronquist, 58 Godfrey and Wooten II, 776, 780-781☆ Small, 1450 Wunderlin, 621	dye-flower fringeleaf tickseed	Compositae/ Asteraceae; daisy family tribe: Helianthae.	herbaceous perennial; to 1 m tall; lvs simple, opposite, elliptic to ovate, to 6 cm long, margins ciliate at the bases and on the petioles; disc flrs 4-lobed, ray flrs 3-lobed at tips; floodplains, riverbanks; Calhoun, Jackson, Nassau and Washington cos.; late summer.
96. <i>Cornus alternifolia</i> L. f. Newfoundland and Nova Scotia to MN, south to FL, AL and AR ☆ Atlas	Clewell, 336 Godfrey, 215-217 Radford <i>et al.</i> , 792 Small, 957-958 Ward, 21-22☆ Wunderlin, 473	pagoda dogwood alternate-leaf dogwood pagoda cornel umbrella cornel	Cornaceae; dogwood family	small tree; alternate branches form umbrella shaped tree; lvs alternate; flrs tiny, cream, grouped into a flat cluster to 6 cm wide; frts dark blue, with waxy bloom; rich woods near small streams; Calhoun, Gadsden, Leon and Walton cos.; Apr-May.
97. <i>Cranichis muscosa</i> Swartz FL, West Indies, Mexico, Central and South America	Correll and Correll, 349-350☆ Luer, 86☆ Wunderlin, 234	moss orchid cypresssknee helmet orchid	Orchidaceae; orchid family	terrestrial herb; thick, fleshy roots at base of stem; leafy rosette, leaves with petioles; raceme, flowers small, white, yellow-green speckles, lip is uppermost, sepals free to base and not adnate to the lip; ovary glabrous; rockland hammocks; Collier, Dade (extirpated?), and Lee cos.; Jan-Feb.
98. <i>Crataegus phaenopyrum</i> (L. f.) Medik. ☆ Chafin DE and PA, west to IL, MO, KY, TN, south to GA, AL and FL	Godfrey, 556-558☆ Radford <i>et al.</i> , 562-563☆ Small, 644 Wunderlin, 327-328	Washington thorn hedge thorn red haw Washington hawthorn	Rosaceae; rose family	tree, to 10 m tall; lvs cordate-deltoid to ovate, toothed, 3-lobed (look like tiny maple lvs); corollas white; fruits scarlet, 4-6 mm wide; stream banks, edges of wet areas; Liberty, Wakulla, Walton and Washington cos.; May.
99. <i>Croomia pauciflora</i> (Nutt.) Torrey FL, GA and AL ☆ Atlas; Chafin	Clewell, 194 Ward, 22-23☆ Small, 309 Ward, 22 Wunderlin, 204	croomia	Croomiaceae/ Stemonaceae/ Liliaceae; croomia family	colonial herb, with rhizomes; lvs ovate, cordate at base, prominent veins; flrs in axils, 4 perianth parts, 4 stamens; rich hardwood forest ravines and bluffs, Apalachicola River; Gadsden and Liberty cos.; Mar-Apr.
100. <i>Crotalaria avonensis</i> K.R. Delaney and Wunderlin Federal Register, 27 April 1993 ☆ Atlas; Chafin endemic	SIDA 13315-324, 1989 Wunderlin, 350-351	Avon Park harebells Avon Park rattlebox	Leguminosae/ Fabaceae; legume family Papilionoidae; pea subfamily	perennial herb; flr-stems may originate 4" below surface and above soil for only a few centimeters; no stipules; lvs 1-2 cm long, obtuse, coated with whitish hairs; yellow corollas 8-9 mm long, keel petal shorter than wing petals; style bases not elbowed; bean inflated, 1.4-2.5 cm long; bare white sand, partial shade; Lake Wales Ridge, Highlands and Polk cos.; dormant winter until Mar.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
101. <i>Croton humilis</i> L. FL, TX , West Indies and Mexico [See Taylor, 62-63; Bell and Taylor, 105, for other <i>Croton</i> spp.]	Correll and Correll, 790-792 Correll and Johnston, 931 Long and Lakela, 538 Small, 782, as <i>C. berlandieri</i> Wunderlin, 399-400	pepperbush salvia	Euphorbiaceae; spurge family	shrub, to 1 m tall; lvs ovate, entire (may have tiny glandular teeth at base), stellate pubescence not dense on lower surface; staminate flrs with short petals, pistillate flrs lack petals; hammocks, disturbed sites; Dade, Collier and Monroe cos.; all year.
102. <i>Cryptotaenia canadensis</i> (L.) DC. Que, N.B. to Man, south to GA, FL, AL and TX	Clewell, 504 Godfrey and Wooten II, 457 Radford <i>et al.</i> , 780-781☉ Small, 970 Ward, 23-24☉ Wunderlin, 467	honewort wild chervil Canadian honewort	Umbelliferae/ Apiaceae; carrot family	perennial herb; up to 80 cm tall; lvs cpd, with dilated stalks, long on lower lvs, shorter on upper lvs; flrs white, clustered; floodplain forest; Gadsden, Jackson and Liberty cos.; Apr-Jul.
103. <i>Ctenitis sloanei</i> (Poepp. ex Spreng.) C.V. Morton synonym: <i>Dryopteris ampla</i> (Humb. and Bonp.) Kuntze FL, West Indies, Central and South America	FNA, 302 Lakela and Long, 157 Long and Lakela, 98-99☉ Small.: ferns, 290, 292-293☉ Wunderlin, 55-56	red-hair comb fern Florida tree fern	Pteridophyta-- Dryopteridaceae, Polypodiaceae; wood fern family	stolons absent; sterile and fertile leaves similar in appearance, deltoid; veins free or only casually netted, petiole scales a tangled tuft of multicellular hairs with reddish crosswalls; sori round, indusia soon deciduous (appears absent); limestone ledges, rockland hammocks, cypress strand swamps; Broward, Collier, Dade, Manatee and Polk cos.
104. <i>Ctenitis submarginalis</i> (Langsd. and Fischer) Ching synonym: <i>Thelypteris submarginalis</i> (Langsd. and Fisch.) Small FL, LA, West Indies, Central and South America	FNA, 302 Lakela and Long, 157 Long and Lakela, 98 Small: ferns, 258-260☉ Wunderlin, 55-56	brown-hair comb fern	Pteridophyta-- Dryopteridaceae; wood fern family	stolons absent; sterile and fertile leaves similar in appearance, linear-oblong; veins free or only casually netted, petiole scales not densely tangled; sori round, indusia soon deciduous (appears absent); cypress swamps, rockland hammocks, spoil banks; Broward, Collier, (Dade), Hardee, (Palm Beach) and Seminole cos.
105. <i>Ctenium floridanum</i> (A.S. Hitchcock) A. S. Hitchcock ☉☉Chafin FL and GA	Godfrey and Wooten, II-210 and 212 Hall, 198-199 Hitchcock and Chase, 516 Jones and Coile, 34 Small, 114, as <i>Campulosus</i> Wunderlin, 96	Florida toothache grass	Gramineae/ Poaceae; grass family	herb, slender scaly rhizomes; immediately recognizable by its solitary curved one-side spike which resembles a toothbrush; no glands on the 2 nd glume, and a more slender awn than for <i>C. aromaticum</i> ; pinelands; Alachua, Bradford, Clay, Columbia, Duval, Nassau, Putnam and St. Johns cos.
106. <i>Cucurbita okeechobeensis</i> (Small) Bailey Federal Register, 12 July 1993 ☉☉Chafin endemic	Long and Lakela, 814 Small, 1286 Ward, 81-83☉ Wunderlin, 587 Syst. Botany 18(2):175-187	Okeechobee gourd Indian pumpkin	Cucurbitaceae; gourd family	vine; lvs with 5 to 7 lobes, clammy pubescence; flrs cream colored; frt to 9 cm wide, globose, green streaked or flecked with white; wet hammocks, ditch banks; Glades, Lake, Palm Beach, Seminole and Volusia cos.; Mar-May.
107. <i>Cupania glabra</i> Swartz ☉☉Atlas; Chafin; Scurlock, p. 70 FL, West Indies, Mexico, Central America	Long and Lakela, 575 Small, 829 Ward, 24-25☉	cupania Florida toadwood American toadwood	Sapindaceae; soapberry family	small tree; lvs alternate, cpd with 6-12 lf-lets, shallowly toothed; small flrs in panicle; capsules top-shaped, each with 3 seeds; rockland hammocks; (Dade) and Monroe [Keys only] cos.; fall.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
114. <i>Dalea carthagenensis</i> (Jacq.) J. F. Macbride ✿✿Chafin <i>D. carthagenensis</i> var. <i>floridana</i> (Rydberg) Barneby is endemic	Isely, 81-82 Long and Lakela, 478 Small, 694-695, as <i>Parosela floridana</i> Wunderlin, 352	Florida prairie c lover Cartagena prairie clover	Leguminosae/ Fabaceae; legume family Papilionoid eae; pea subfamily	contorted, shrubby, woody or herbaceous, to 2 m tall; lvs pinnate with terminal lfllet, lfllets 15-23; corolla of 5 petals, sub-papilionaceous, wings and keel arise from side of stamen tube, greenish-white fading to maroon; pineland, hammocks; Dade, Monroe [excluding Keys] and Palm Beach cos.; all year.
115. <i>Deeringothamnus pulchellus</i> Small Federal Register, 26 Sep 1986 ✿✿Atlas; Chafin endemic	Long and Lakela, 421 Small, 532 Wunderlin, 307	white squirrel-banana beautiful pawpaw pretty false pawpaw royal false pawpaw	Annonaceae; custard-apple family	short shrub; flrs with linear, creamy white petals, pleasant scent; grassy flatwoods, road edges; Charlotte, Lee and Orange cos.; Mar-May.
116. <i>Deeringothamnus rugelii</i> (B.L. Rob.) Small Federal Register, 26 Sep 1986 ✿✿Atlas; Chafin endemic	Small, 532 Ward, 25-26✿☉ Wunderlin, 307	yellow squirrel-banana, Rugel's pawpaw Rugel s false pawpaw	Annonaceae; custard-apple family	short shrub; lvs to 7 cm long, oblong to oval or obovate; flrs with oblong, canary yellow petals, fragrant; wet pine flatwoods, powerline right-of-way; Volusia Co.; Apr-Jun.
117. <i>Delphinium carolinianum</i> Walter NC, KY, IL, IO, west to KS, south to FL, TX	Clewell, 461 Gleason and Cronquist, 51 Radford <i>et al.</i> , 454-455 Small, 515 Wunderlin, 300	Carolina larkspur	Ranunculaceae; buttercup family	herb; lvs cpd, palmately divided; petals 4, blue, lower petals bifid and bearded, 2 upper petals with a long spur extending into the spurred sepal; calcareous slopes; Gadsden Co.; May.
118. <i>Dennstaedtia bipinnata</i> (Cav.) Maxon FL, West Indies, Mexico, Central and South America	FNA, 200-201 Lakela and Long, 59 and 61✿✿ Small: ferns, 321 and 322✿☉ Ward, 26-27 Wunderlin, 47	cuplet fern hay-scented fern bipinnate cuplet fern	Pteridophyta-- Polypodiaceae/ Dennstaedtiaceae; polypody family	fern; stout stems 5-6 mm wide; lvs. 3-compound, to 2.7 m long, lustrous, subcoriaceous; sori at end of small lateral veins and with cup-shaped indusia; deep muck soil of hammocks; Duval, (Okeechobee), Palm Beach and Seminole cos.
119. <i>Desmodium ochroleucum</i> M.A. Curtis ex Canby Del, MD, TN, south to FL	Clewell, 402, 404 Isely, 168-169 Radford <i>et al.</i> , 606 Small, 733, as <i>Meibomia</i> Wunderlin, 357	trailing tick-trefoil cream ticktrefoil	Leguminosae/ Fabaceae; bean family	perennial herb, decumbent, vine-like, hairy stems; terminal lf-lets ovate, 2.5-6 cm long; fls creamy white or pale yellow (=ochroleucous), fl-stalks 10-22 mm long; 3 to 5 frt segments, each 7-10 mm long, densely hairy (hairs with hooked tips) on the sutures, glabrous and veiny on surfaces; disturbed hammocks; Jackson Co.; summer.
120. <i>Dicerandra christmanii</i> Huck and Judd Federal Register, 21 Sept 1989 ✿✿Atlas; Chafin endemic	Systematic Botany 14(2):197-213 1989 Wunderlin, 530	Christman's mint Garrett's mint	Labiatae/ Lamiaceae; mint family	northern Highlands Co. specimens of "old" <i>D. frutescens</i> actually <i>D. christmanii</i> . Lvs with eucalyptus-oil scent; corollas persistently cream-colored, with magenta spots; anthers yellow; yellow sand, oak scrub; Highlands Co.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
128. <i>Drosera filiformis</i> Raf. ✠Bell and Taylor, p. 175 MA to SC; FL	Clewell, 345 Godfrey and Wooten, 186-187 Radford <i>et al.</i> , 517✠☉ Small, 579 [as <i>D. tracyi</i> , in part] Wunderlin, 321	dew-threads thread-leaf sun dew	Droseraceae; sundew family	glandular herb with a corm-like base, forming overwintering structures (hibernacula); erect lvs thread-like (less than 1 mm wide and to 25 cm long), covered with purplish to red glandular hairs; fls rose-pink, on tall scapes; damp sand, edge of lakes, exposed lake bottoms; Bay and Washington cos.; May, fruits in Oct.
129. <i>Drypetes diversifolia</i> Krug and Urban ✠Atlas; Chafin; Nelson, plate #53; Scurlock, p. 73 FL and West Indies	Correll and Correll, 795-798✠☉ Long and Lakela, 546 Small, 780 Wunderlin, 401	milkbark whitewood	Euphorbia ceae; spurge family	shrub or tree to 12 m, bark white, rough; <u>2</u> types of lvs: <u>lower</u> lvs short petiole, rounded base, tips mucronate, spine-toothed margins and <u>upper</u> lvs petioles 1 cm+, base rounded to wedge-shaped, tips blunt to acuminate, margins entire; fls unisexual in axillary clusters, 5 sepals, no petals, 8 stamens; frts ivory-white drupes to 2.5 cm long; hammocks; Dade and Monroe [Keys only] cos. ; spring.
130. <i>Echinacea purpurea</i> (L.) Moench ✠Atlas; Chafin FL to LA to OK, north to VA, OH, MI, IL, OH, KY, NC, SC, TN	Clewell, 304 Cronquist, 29 Radford <i>et al.</i> , 1110 Steiermark, 1560 Wunderlin, 623	purple coneflower	Compositae/ Asteraceae; daisy family tribe: Helianth eae.	perennial herb; lvs alternate, simple, lanceolate to elliptic or ovate, to 15 cm long and 10 cm wide, hairy on both sides; involucre bracts in several rows; ray fls pink (ours), drooping, disc fls surpassed by the stout bracts of the cone; calcareous openings in mesic forest; Gadsden Co.; May.
131. <i>Eleocharis rostellata</i> (Torrey) Torrey Canada to FL, NY to IL, KS, OK, TX, CA, UT, WY, NM, Mexico, West Indies, Central and South America	Correll and Johnston, 272 Godfrey and Wooten, 326, 329✠☉ Wunderlin, 160-164	beaked spikerush	Cyperaceae; sedge family	perennial herb, with vertical caudex; lvs bladeless sheaths only; spikes ovoid, thicker than the supporting stem, scales of spike spirally arranged; bristles long as achene and tubercle, with down-pointed teeth; achene 3-angled, tapered into a pyramidal tubercle, olive-brown, smooth, no ribs; prairies, swamps; Dade, Taylor, Santa Rosa and Wakulla cos.
132. <i>Eltroplectris calcarata</i> (Hooker f.) Garay and Sweet synonym: <i>Centrogenium setaceum</i> (Lindl.) Schlecht. ✠Chafin FL, West Indies, South America	Correll and Correll, 350-351✠☉ Long and Lakela, 323 Luer, 124-125✠☉ Small, 384 Ward, 18 Wunderlin, 234	spurred neottia longclawed orchid	Orchidaceae; orchid family	terrestrial; 1 to 3 lvs, 9-15 cm long and petiolate; peduncle 3 dm long; fls white and greenish, lateral sepals form a spur; lip is fringed; dense hammocks; Dade and Highlands cos.; winter-spring.
133. <i>Encyclia boothiana</i> (Lindl.) Dressler Luer uses: var. <i>erythronioides</i> (Small) Luer synonym: <i>Prosthechea boothiana</i> (Lindl.) W. E. Higgins FL, West Indies, Mexico, Central America	Correll and Correll, 354-355✠☉ Long and Lakela, 332 Luer, 204-205✠☉ Small, 392 Ward, 27-28 Wunderlin, 234-235	dollar orchid FL dollar orchid	Orchidaceae; orchid family	epiphyte; pseudobulbs about size of silver dollar, lvs up to 15 cm long; fls greenish yellow, blotched with reddish purple, lip is pale yellow to white; low limbs of trees in hammocks or thickets, marine tidal swamps; Dade, Indian River and Monroe cos.; Jun-Sep.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
<p>134. <i>Encyclia cochleata</i> (L.) Lemée Luer uses: var. <i>triandra</i> (Ames) Dressler for FL synonym: <i>Prosthechea cochleata</i> (L.) W. E. Higgins</p> <p>☼☼Atlas; Bell and Taylor, p. 29; Chafin</p> <p style="text-align: right;">3 anthers: FL</p> <p style="text-align: center;">2 anthers: West Indies, Mexico, Central and South America</p>	<p>Correll and Correll, 356-357 Long and Lakela, 332☼☉ Luer, 202-203☼☼ Small, 392, as <i>Anacheilium</i> Wunderlin, 234-235</p>	FL clamshell orchid	Orchidaceae; orchid family	epiphyte; 1 to 3 lvs, to 30 cm long; flrs yellowish with purplish blotches at base, lip shell-like and velvety purple, 3 sepals and other 2 petals long and ribbon-like; rockland hammocks, dome swamps, strand swamps; Broward (?), Collier, Dade Lee and Monroe [not in Keys] cos.; all year.
<p>135. <i>Encyclia pygmaea</i> (Hook.) Dressler synonym: <i>Prosthechea pygmaea</i> (Hook.) W. E. Higgins</p> <p style="text-align: center;">FL, West Indies, Mexico, Central and South America</p>	<p>Long and Lakela, 332-333 Luer, 200-201☼☼ Small, 393, as <i>Hormidium</i> Ward, 28-29 Wunderlin, 234-235</p>	dwarf epidendrum	Orchidaceae; orchid family	epiphyte; flrs are cradled between the lvs on each pseudobulb; sepals white, shading to yellow; two lateral petals linear and white; lip white, 3-lobed, with rose purple spot on tip of center lobe; Fakahatchee Strand; Collier Co.; Oct-Feb.
<p>136. <i>Epidendrum acunae</i> Dressler Kartesz: <i>E. blancheanum</i> Urban</p> <p style="text-align: center;">FL, Cuba, Mexico, Central America</p>	<p>Luer, 219-220☼☼ Ward, 29 Wunderlin, 235-236</p>	Acuna's epidendrum	Orchidaceae; orchid family	epiphyte; pendent, stems to 1 m, continue to lengthen after flowering; 2 to 6 lvs, to 12 cm long; 1-3 flrs, brownish-green; 2 cm long capsule; Collier Co. (ex tirpated?); May-Jun. [Luer: <i>E. ramosum</i> is a smaller plant, each branch terminates after flowering.]
<p>137. <i>Epidendrum anceps</i> Jacq. Kartesz: <i>E. secundum</i> Jacq. synonym: <i>E. amphistomum</i> A. Richard</p> <p style="text-align: center;">FL, West Indies, Mexico, Central and South America</p>	<p>Long and Lakela, 330 Luer, 210-211☼☼ Wunderlin, 235-236</p>	dingy-flowered epidendrum	Orchidaceae; orchid family	epiphyte; erect, stems to 1.1 m tall; 5-13 lvs, up to 18 cm long and 4 wide (LandL, p 329; 6+ cm wide), green usually but also red to maroon; dense capitate raceme of up to 25 flrs, brownish (yellow-green, red-brown, or bronze tinged purple) petals, lip adheres to column and flares to spade-shaped; rockland hammocks, dome swamps, strand swamps, hammocks; Broward, Collier, Dade, Lee, Martin and Monroe [not in Keys] cos.; Jan-Jul and all year.
<p>138. <i>Epidendrum difforme</i> Jacq. synonym: <i>Neolehmannia difformis</i> (Jacq.) Pabst</p> <p>☼☼Chafin; DPI poster, plate #30 FL, West Indies, Mexico, Central and South America</p>	<p>Long and Lakela, 330 Luer, 212-213☼☼ Wunderlin, 235-236, as: <i>E. floridense</i> Hagsater</p>	umbelled epidendrum	Orchidaceae; orchid family	epiphyte; pendent stems to 30 cm long; 5-10 lvs, up to 10 cm long and 3 cm wide, fleshy, glossy; 3-20 flrs in compact raceme, greenish, variable in size; bracts linear and not enclosing ovary; hammocks; (Broward) , Collier, Dade e, Lee, Monroe [not in Keys], (Palm Beach) and Polk cos.; Aug-Nov. and all year.
<p>139. <i>Epidendrum nocturnum</i> Jacq.</p> <p>☼☼Chafin FL, West Indies, Mexico, Central and South America</p>	<p>Correll and Correll, 365-366☼☉ Long and Lakela, 330 Luer, 214-215☼☼ Ward, 84-85☼☉ Wunderlin, 235-236</p>	night-smelling epidendrum night-scented epidendrum	Orchidaceae; orchid family	epiphyte; erect stems to 1 m tall; 4-10 lvs, to 15 cm long and 2.5 wide, leathery; flrs bloom singly and in slow succession, yellow sepals and petals long, narrow, spreading, lip 3-lobed and white; fragrant at night; rockland hammocks, strand swamps, dome swamps; (Broward), Collier, Dade, Lee, Martin, Monroe [not in Keys] and Palm Beach cos.; Jul-Dec and all year.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
140. <i>Epidendrum rigidum</i> Jacq. FL, West Indies, Mexico, Central and South America ☼☼Bell and Taylor, p. 31	Correll and Correll, 366, 368 Long and Lakela, 330 Luer, 216-217☼☼ Wunderlin, 235-236	rigid epidendrum	Orchidaceae; orchid family	epiphyte; ascending stems to 20 cm; 2-6 lvs, to 8 cm long and 15 mm wide, leathery, keeled; flrs alternate on spike, greenish, insignificant; rockland hammocks, dome swamps, strand swamps; Broward, Collier, Dade, Hendry, Lee, Monroe [not in Keys] and Palm Beach cos., Oct-May.
141. <i>Epidendrum strobiliferum</i> Reichenb. f. FL, West Indies, Mexico, Central and South America	Long and Lakela, 329 Luer, 218-219☼☼ Wunderlin, 235-236	matted epidendrum	Orchidaceae; orchid family	epiphyte; pendent stems to 18 cm long, numerous and matted; 2-8 lvs, to 5 cm long and 1 cm wide, rigid, leathery, green to red dish-brown; flrs terminal, 3 to 4, pale yellow, hidden by large bracts; strand swamp; Collier and Lee cos.; Oct-Nov and all year.
142. <i>Epigaea repens</i> L. Newfoundland, Quebec to Saskatchewan, south to IA, FL and MS	Clewell, 348 Gleason and Cronquist, 209 Godfrey, 238-240☼☼ Radford <i>et al.</i> , 810-811☼☼ Small, 1005 Ward, 137-138☼☼ Wunderlin, 475	trailing arbutus	Ericaceae; heath family	trailing shrub; evergreen lvs; corolla white to pink, densely pubescent within; bluffs, mixed hardwood forest; Escambia, Liberty, Okaloosa, Santa Rosa and (Walton) cos.; Dec-Feb.
143. <i>Eragrostis tracyi</i> Hitchcock ☼☼Chafin endemic	Hall, 175 Ward, 86 Wunderlin, 107-111	Sanibel lovegrass Sanibel Island lovegrass	Gramineae/ Poaceae; grass family	annual (occasionally perennial) herb; delicate grass; beach dunes, maritime hammocks, coastal strand, coastal grassland, old fields, clearings, disturbed sites; Lee, Manatee, Pinellas and Sarasota cos.; all year.
144. <i>Eriocaulon nigrobacteatum</i> Orzell and Bridges ☼☼Chafin endemic	Phytologia 74(2): 104-124, Feb. 1994 Wunderlin, 191	dark-headed hatpins	Eriocaulaceae; hatpins family	perennial herb, forming dense clumps, with fleshy, unbranched, septate roots; lvs in basal rosette, septate, up to 4 cm long and 1 mm wide (smallest <i>E.</i> in eastern N Am. north of Mexico); involucre bracts uniformly dark gray, not reflexed; receptacle glabrous; sepals with white clavate hairs, black anthers; seepage bogs; Bay, Calhoun and Gulf cos.; Mar-Apr.
145. <i>Eriogonum floridanum</i> Small <i>Eriogonum longifolium</i> Nutt. var. <i>gnaphalifolium</i> Gandog. is listed as threatened by Federal Register, 18 Mar. 1993. Kartesz: <i>E. longifolium</i> var. <i>gnaphalifolium</i> ☼☼Atlas; Chafin; Taylor, p. 42 endemic	Small, 445 Ward, 86-87 Wunderlin, 270-271, as Kartesz	scrub-buckwheat Florida umbrella plant longleaf wild- buckwheat	Polygonaceae; buckwheat family	herbaceous perennial with woody rootstock; to 1 m tall; flowering stems with alternate lvs; flrs grouped into heads with bracts beneath, 6 linear sepals, no petals; sandhill, scrub, longleaf pine, Lake Wales Ridge; Highlands, Lake, Marion, Orange, Osceola, Polk, Putnam and Sumter cos.; all year.
146. <i>Ernodea cokeri</i> Britt. ex Coker ☼☼Chafin FL and West Indies	Correll and Correll, 1389- 1391 Wunderlin, 576	one-nerved ernodea Coker's beach creeper	Rubiaceae; madder family	shrub; leaves narrowly linear, to 3 mm wide, 1-nerved; corolla tube pink or red; calyx as long or longer than fruit; pine rocklands; Dade Co., all year.
147. <i>Eryngium cuneifolium</i> Small Federal Register, 21 Jan 1987 ☼☼Chafin endemic	Small, 964 Wunderlin, 468-469	scrub eryngium snakeroot wedgeleaf eryngo	Umbelliferae/ Apiaceae; carrot family	herb; erect; lvs divided or lobed, 3-5 teeth at tip, lvs reduced in number up the stem; capitulate inflorescence, whitish flrs age powder blue; sand pine scrub; Highlands Co.; Sep-Nov.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
148. <i>Erythronium umbilicatum</i> Parks and Hardin ☆☞Bell and Taylor, p. 14 VA, WV, MD, south to FL and AL	Clewell, 179 Gleason and Cronquist, 834 Small, 292 Ward, 88-89 Wunderlin, 207	dimpled dogtooth-violet trout lily amberbell dimpled troutlily	Liliaceae; lily family	herbaceous perennial from corm; 2 lvs, fleshy, about 10 cm long, mottled (like a trout); solitary flr on long stalk, greenish or purplish outside and yellow inside, recurved; stream banks and bluffs; Gadsden and Leon cos.; Feb-Mar.
149. <i>Eugenia confusa</i> DC. ☆☞Atlas; Chafin; Scurlock, p. 80 FL and West Indies	Correll and Correll 1044 Long and Lakela, 645 Small, 936 Wunderlin, 453	redberry eugenia tropical ironwood ironwood	Myrtaceae; myrtle family	tree, up to 6 m tall; scaly bark, red-brown heartwood; lvs to 5 cm long, with prolonged tip; frt scarlet, 5-8 mm wide; rockland hammocks; Dade, (Lee), Martin and Monroe [Keys only] cos.; Mar-Jul.
150. <i>Eugenia rhombea</i> (Berg) Krug and Urban ☆☞Atlas; Scurlock, p. 82 FL, West Indies, Mexico, Central and South America	Correll and Correll 1044 Long and Lakela, 645 Small, 935 Ward, 29-30 Wunderlin, 453	red stopper	Myrtaceae; myrtle family	tree to 3 m tall; lvs 3-6 cm long, opposite; inflorescence axillary, pedicel 1 cm long [<i>E. axillaris</i> has longer pedicels]; berries black to 8 mm wide; rockland hammock s; Dade, (erroneously in Lee) and Monroe [Keys] cos.; Apr-Sep.
151. <i>Euonymus atropurpureus</i> Jacq. Note: Kartesz spells it Evonymus All refs. to right use <i>E. atropurpureus</i> ; Kartesz uses <i>E. atropurpurea</i> . ☆☞Atlas NY to ND, south to FL and TX	Clewell, 268 Gleason and Cronquist, 329 Godfrey, 195-196☞ Radford <i>et al.</i> , 685-686☞ Small, 818 Wunderlin, 414	burning bush wahoo spindle tree strawberry bush arrow wood eastern wahoo	Celastraceae; staff-tree family	shrub or small tree; lvs to 12 cm long and 6 cm wide, toothed; inflor. axillary cymes on peduncles ½ as long as lvs; petals 4, maroon, with hyaline margins; dangling pinkish-purple capsule 4-lobed, splits but not reflexing; scarlet seed; stream banks; Gadsden and Liberty cos.; Apr.
152. <i>Eupatorium frustratum</i> B.L. Robins. Wunderlin uses <i>Chromolaena frustratum</i> (B.L.Robins.) King and H. Robinson. ☆☞Chafin endemic	Cronquist, 185 Long and Lakela, 873 Small, 1320, as <i>Osmia frustrata</i> Wunderlin, 615-616	Cape Sable thoroughwort	Compositae/ Asteraceae; daisy family tribe: Eupatorieae.	herbs, to 20 cm tall; lvs simple, over 15 mm wide, 2-5 cm long, deltoid-ovate, ovate, or ovate-lanceolate, wedge-like base, margins with shallow teeth; inflor. diffuse; flrs all discs, blue or lavender; coastal hammocks; Monroe [including Keys] Co.; all year.
153. <i>Eupatorium villosum</i> Sw. [In 1998 Rule, listed as : <i>Koanophyllon villosum</i> (Sw.) King and H.E.Robins.] Kartesz uses: <i>Eupatorium villosum</i> Sw. [See Taylor, 112-114; Bell and Taylor, 252, for other spp.] FL and West Indies	All as <i>Eupatorium</i> : Correll and Correll 1486-1487 Cronquist, 186 Small, 1327	Keys thoroughwort	Compositae/ Asteraceae; daisy flower. tribe: Eupatorieae.	shrub to 2 m tall; densely hairy throughout; lvs opposite, to 6.5 cm long and 4 cm wide; bracts in 2 to 3 series; flrs 9-13, white to bluish; hammocks, pine woods; Dade Co.; all year.
154. <i>Euphorbia commutata</i> Engelm. ☆☞Atlas FL, GA, SC to PA, MO, MN	Clewell, 357 Radford <i>et al.</i> , 670, as <i>E. commutatus</i> Small, 801, as <i>Galarhoeus</i> Wunderlin, 401-402	wood spurge tinted woodland spurge	Euphorbiaceae; spurge family	herb, with milky sap, decumbent stem; lvs alternate, spatulate to ovate or lanceolate, margins entire; bracteal lvs opposite, smaller than stem lvs, reniform to ovate-oreniform; cyathia 4-lobed, glands yellowish, with long tail-like tips; woods and stream banks; Gadsden, Jackson, Levy and Marion cos.; spring.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
155. <i>Euphorbia telephioides</i> This species was moved to <i>Tithymalus telephioides</i> (#381); but in error it was not removed from the list as <i>Euphorbia</i> . See page 58.				
156. <i>Evolvulus convolvuloides</i> (Willd. ex J.A. Schultes) Stearn synonym: <i>E. glaber</i> Spreng. [see Taylor, 90; Bell and Taylor, 113, for <i>E. sericeus</i>] FL, West Indies, South America	Correll and Correll, 1170-1171 Long and Lakela, 714 Small, 1082 Wunderlin, 507	dwarf bindweed bindweed dwarf morningglory	Convolvulaceae; morning-glory family	herb, prostrate, creeping; lvs nearly glabrous below at maturity, to 2 cm long, oblong-ovate or obovate; flrs solitary in axils, blue, pink or white, to 1 cm wide; coastal on limestone or coral rock; Dade and Monroe [including Keys]; all year
157. <i>Evolvulus grisebachii</i> Peter FL, West Indies	Long and Lakela, 714 Small, 1082, as <i>E. wrightii</i> Wunderlin, 507	Grisebach s bindweed Grisebach s dwarf morningglory	Convolvulaceae; morning-glory family	herb, tufted, suberect, silvery hairs; lvs suborbicular to ovate, ca. 1 cm long, acute tips; flrs white or blue, 8-9 mm wide; pinelands, glades; Monroe Co. [Keys only]; all year.
158. <i>Exostema caribaeum</i> (Jacq.) J.A. Schultes ✳✳Chafin; Scurbeck, p. 83 FL, West Indies, Mexico, Central America	Correll and Correll, 1393-1394✳☉ Long and Lakela, 798 Small, 1256 Wunderlin, 577	princewood Caribbean princewood Jesus bark	Rubiaceae; madder family	shrub or tree, to 7 m tall, bark bitter (once used to reduce fever); lvs opposite, 4-8 cm long, oblong-lanceolate to ovate, acuminate tips, conspicuous veins; flrs fragrant, solitary in lf axils, calyx tubular, to 4 mm long, corolla tubular, lobes linear, to 4.5 cm long, white or pinkish, fade to orange; frts woody capsules, to 1.5 cm long; hammocks, pinelands; Keys [Monroe Co]; spring.
159. <i>Forestiera godfreyi</i> L. C. Anderson ✳✳Atlas; Chafin also in 1 SC county	Godfrey, 503, 505-506✳☉ Wunderlin, 487	Godfrey's swamp privet	Oleaceae; olive family	shrub or small tree; drooping branches, roots at branch tips; flrs very early in spring on twigs of previous season before new growth; petaloid sepals; separate male and female flrs; mesic calcareous wood; Alachua, Gadsden, Gilchrist, Jackson, Jefferson, Leon, Levy, Liberty, Nassau and Marion cos.; early spring.
160. <i>Fothergilla gardenii</i> L. All in Ref. column (except Wunderlin) use: <i>F. gardenii</i> Murray ✳✳Chafin TN, AL, MS, GA, FL	Clewell, 374 Godfrey, 372-373 Radford <i>et al.</i> , 530-531✳☉ Small, 601✳☉ Wunderlin, 325	dwarf witch-elder	Hamamelidaceae; witch-hazel family	shrub, to 1 m tall; colonial; lvs with stellate hairs on lower surface, glabrous above, margins wavy; inflor. globose or oblong, terminal; petals absent; stamens showy, white; capsule with 2 curving beaks; pine savannas, shrub bogs, hillside bogs; Walton and Okaloosa cos.; early spring.
161. <i>Galactia smallii</i> H.F. Rogers ex Herndon Endangered Species Act 1973; Federal Register, 18 July 1985 Note: Isely -- more abundant pubescence and smaller flrs than <i>G. floridana</i> and <i>G. regularis</i> . ✳✳Chafin endemic	Isely, 152 see note Long and Lakela, 494, as <i>G. prostrata</i> Small, 719 Wunderlin, 358, as part of <i>G. regularis</i>	Small's milkpea	Leguminosae/ Fabaceae; legume family Papilionoid eae; pea subfamily	herb; prostrate and twining; stems to 2 m long; hairy; lflets 3, 1-2.2 cm long; flrs 1-5 on long stalk; corollas 11-12 mm long, pink-purple or lavender, fading pale; legume 3-4 cm long, 4 mm wide; pine rocklands; Dade Co.; May-Jul.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
162. <i>Galeandra beyrichii</i> Reichenb. f. ✿Chafin FL, West Indies, Central and South America	Long and Lakela, 324 Luer, 245-246✿ Wunderlin, 237	helmet orchid	Orchidaceae; orchid family	terrestrial, up to 1 m tall; 1-2 ephemeral lvs, to 25 cm long and 3 cm wide, 3 ribbed; terminal raceme with to 12 flrs, pale yellow-green petals, green and purple striped lip with ruffled edge, lip attached to base of the column; edges of sinkholes in rockland hammock; Dade Co.
163. <i>Gentiana pennelliana</i> Fernald endemic	Clewell, 367 Godfrey and Wooten II, 536 Long and Lakela, 697 Small, 1054, as <i>G. tenuifolia</i> Ward, 89-90✿ Wunderlin, 492-493	wiregrass gentian	Gentianaceae; gentian family	herb; lvs linear-spatulate; flrs solitary, not involucre; corolla white, spotted with blue-green internally; wet flatwoods, slash pine plantations, roadside ditches; Bay, Calhoun, Franklin, Gadsden, Gulf, (Leon), Liberty, Wakulla and Walton cos.; Oct-Feb.
164. <i>Goodyera pubescens</i> (Willd.) R. Br. ✿Atlas; Luer, 9 Quebec, ME to MN, south to SC, FL, AL, AR	Clewell, 185 Gleason and Cronquist, 855 Radford <i>et al.</i> , 350-351✿ Wunderlin, 237	downy rattlesnake orchid downy rattlesnake plantain	Orchidaceae; orchid family	terrestrial herb; flowering stem with 4-14 bracts; lvs basal rosette, ovate to lanceolate, dark green midrib bordered by pair of white stripes and with net-like white veins; lip pouchy, sac less than half as long as the body; hammocks; Liberty Co.; Jun.
165. <i>Gossypium hirsutum</i> L. ✿Atlas; DPI poster, plate #13; Nelson, plate #85 FL, West Indies, Mexico	Correll and Correll, 925-927✿ Long and Lakela, 591 Small, 861 Ward, 30-31 Wunderlin, 427	wild cotton short-staple cotton upland cotton	Malvaceae; mallow family	herb or shrub to 4 m tall; 3-lobed lvs; involucre (below calyx) with 2 - 5 bracts with lacy tips; petals white, fade to pink and rose; seed with long hairs; coastal hammocks, shell mounds, coastal berm; Charlotte, (Collier), Dade, Lee, Manatee, Monroe [including Keys], Pinellas and Sumter cos.; all year.
166. <i>Govenia utriculata</i> (Swartz) Lindley FL, West Indies, Mexico, Central and South America	Correll and Correll, 369-370✿ Long and Lakela, 324 Luer, 243, 245✿ Wunderlin, 237	Gowen's orchid	Orchidaceae; orchid family	terrestrial herb to 0.5 m tall; lvs 2, dark green, fan-like; 5-15 flrs, white with lavender spots, lip arises from base of column, lateral sepals fused with lip; rockland hammocks; Dade Co. (extirpated?); Nov-Dec.
167. <i>Guaiacum sanctum</i> L. Kartesz: Guajacum FL, West Indies, Central and South America ✿Atlas; Chafin; DPI poster, plate #12; Nelson, plate # 85; Scurlock, p.89	Correll and Correll, 718-720✿ Long and Lakela, 508✿ Small, 755 Ward 90-91 Wunderlin, 383, as Kartesz	lignum vitae hollywood tree of life	Zygophyllaceae; caltrop family	tree to 10 m tall; hard wood, close grain; lvs opposite, with 3-4 pairs of lf-lets; flrs to 3 cm wide, petals blue; frt 5-angled, bright orange; seed black with scarlet fleshy coat; rockland hammocks; Dade and Monroe [Keys only] cos.
168. <i>Guzmania monostachia</i> (L.) Rusby ex Mez in DC. ✿Chafin; DPI poster, plate #59 FL, West Indies, South America	Correll and Correll, 274, 276-277✿ Long and Lakela, 269 Small, 272 Ward, 31-32✿ Wunderlin, 193	Fuchs' bromeliad strap-leaved guzmania West Indian tufted airplant	Bromeliaceae; pineapple family	epiphyte; vase-shaped; red bracts beneath the white flrs; attractive; rockland hammocks, strand swamp; Collier, Dade and Monroe [not Keys] cos.; all year.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
169. <i>Gyminda latifolia</i> (Sw.) Urban ✠Atlas; Chafin; Nelson, plate #40; Scurlock, p. 93 FL, West Indies, Mexico	Correll and Correll, 867✠☉ Long and Lakela, 568-569 Small, 819 Wunderlin, 414	West Indian false-box false boxwood walla-berry	Celastraceae; staff-tree family	shrub or tree, to 8 m tall, twigs 4-angled; lvs opposite, evergreen, 2-4 cm long, entire or slightly crenate above middle, oblong-ovate or elliptic; infl axillary clusters; ♀♂ and ♀♂ fls on separate plants, petals 4, white, to 2 mm long; frt a drupe, to 8 mm long, dark blue or reddish black when ripe; hammocks; Dade & Monroe [Keys only] cos.; all year.
170. <i>Habenaria distans</i> Griseb. FL, West Indies, Mexico, Central and South America	Godfrey and Wooten I, 635, 636✠☉ Luer, 160-161✠✠ Small, 372 Wunderlin, 237	distans habenaia hammock false rein- orchid	Orchidaceae; orchid family	terrestrial; erect, up to 30 cm tall; lvs 5, basal rosette, glossy green, to 10 cm long and 3.5 cm wide; infl a spike with widely separated flrs, flrs "spidery," greenish, lip 3-parted with club-shaped spur; hydric hammocks, stand swamps; Collier, Highlands, Lee and Manatee cos.; Aug-Sep.
171. <i>Harperocallis flava</i> McDaniel Federal Register, 2 Oct 1979 monotypic genus ✠Chafin DPI poster, plate #61 endemic	Clewell, 179 Ward, 32-33✠☉ Wunderlin, 207	Harper's beauty	Melanthiaceae; bunchflower family Or, Liliaceae; lily family	perennial; lvs basal, linear; single terminal flr, 3 yellow petals and 3 yellow sepals (become externally green and internally greenish with purple margins); 3 capitate stigmas; bogs, edge of titi swamps, roadsides; Franklin and Liberty cos.; Apr-May.
172. <i>Harrisia eriophora</i> (Pfeiffer) Britt. [In the 1998 Rule, listed as: <i>Cereus eriophorus</i> Pfeiffer.] Federal Register, 1 Nov. 1985 as <i>Cereus eriophorus</i> L. Pfeiffer var. <i>fragrans</i> (Small) L. Benson Kartesz: <i>Harrisia fragrans</i> Small ✠Atlas; Chafin var. <i>fragrans</i> is endemic	Long and Lakela, 628 Small, 916, as <i>Harrisia</i> Wunderlin, 446, as <i>Harrisia</i> <i>fragrans</i> [var. <i>eriophorus</i> is not native to US; Benson, 558- 560✠✠☉☉	fragrant prickly-apple Caribbean applecactus	Cactaceae; cactus family Cactaceae; cactus family	columnar; stems 7-12 angled, up to 5 m tall and to 5 cm diameter; sprawls; fls nocturnal, white or pink, to 10 cm diameter, petals long and narrow, hairs on floral tube 10-15 mm long and form tufts; orange-red frts; coastal hammocks, scrubby flatwoods; Brevard, Indian River, Monroe, St. Lucie and Volusia cos.
173. <i>Harrisia gracilis</i> (Mill.) Britt. [In the 1998 Rule, listed as: <i>Cereus gracilis</i> Mill.] <i>Harrisia aboriginum</i> Small ex Britton and Rose: Yellow fruit; maritime hammocks and shell middens; Lee, Manatee and Sarasota cos. (Benson, as <i>C. gracilis</i> var. <i>aboriginum</i>) ✠Chafin <i>Harrisia simpsonii</i> Small ex Britton and Rose: Red fruit; Brevard, Collier, Dade, Indian River, Monroe [incl. Keys] and St. Lucie cos. (Benson, as <i>C. gracilis</i> var. <i>simpsonii</i>) ✠✠Atlas; DPI poster, plate #9 both endemic	Benson, 560-561, as <i>C.</i> <i>gracilis</i> ✠✠ Long and Lakela, 630 Small, 915-916✠☉ Ward, 76 Wunderlin, 446, as <i>Harrisia</i> <i>aboriginum</i> and <i>H.</i> <i>simpsonii</i>	west coast prickly- apple prickly applecactus	Cactaceae; cactus family	columnar; stems 9-11 ridged; sprawls; flrs whitish, hairs on floral tube 6-8 mm long, no tufts, inner petals with lacy tips; frts yellow; shell mounds, rockland hammocks, maritime hammocks; [See Scientific Name column for counties].
174. <i>Hasteola robertiorum</i> L. C. Anderson This genus was formerly <i>Cacalia</i> . ✠Chafin endemic	Systematic Botany 19(2): 211-219 Wunderlin, 631	Gulf hammock Indian- plantain Gulf hammock cacalia	Compositae/ Asteraceae; daisy family tribe: Senecionae.	perennial herb; latex pale brownish-yellow; stem to ca. 1 m tall, strongly ridged, purplish basally; basal lvs long petiolate, deltoid; upper lvs appear sessile due to decurrent tissue; infl flat-topped; heads with 8-9 bracts in single series and 4-7 bracteoles 5-9 mm long, 10-14 flrs in head; flr greenish white, 9-10 mm long; hydric hammocks, on muck soil; Lake and Levy cos.; Oct.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
175. <i>Helianthus carnosus</i> Small ☼☼Chafin endemic	Cronquist, 43 Godfrey and Wooten II, 764 Small, 1436 Wunderlin, 633	flatwoods sunflower lakeside sunflower	Compositae/ Asteraceae; daisy family tribe: Helianthae.	perennial; to 1 m tall; basal rosette from one side of bulbous base, main stem from other; head solitary, disc ca. 1.5 cm wide, disc flrs yellow; wet sandy soil in flat woods; Clay, Flagler, St. Johns and Volusia cos.; Jun-Sep.
176. <i>Heliotropium fruticosum</i> L. [see Taylor, 90-91; Bell and Taylor, 231, for other <i>Heliotropium</i> spp.] endemic	Long and Lakela, 729 Small, 1132, as <i>H. phyllostachyum</i> Wunderlin, 517	Key West heliotrope	Boraginaceae; borage family	annual, to 20 cm tall; lvs elliptic, to 2.5 cm long; inflor with bracts; corolla tube 2-3 mm long, white, with small swellings low in the throat; frts ca. 1.5 mm wide; hammocks, waste places; Key West [Monroe Co.]. Extirpated?
177. <i>Hepatica nobilis</i> P. Mill. <i>H. americana</i> (DC.) Ker is a synonym. Atlas uses <i>Anemone americana</i> (DC.) H. Hara ☼☼Atlas Quebec to MN, south to FL, AL and MO	Clewell, 461 Radford <i>et al.</i> , 467-468☼☼ Small, 516 Ward, 33-34 Wunderlin, 300	liverleaf roundlobed liverleaf	Ranunculaceae; buttercup family	herb; lvs basal, 3-lobed, hairy petioles; flrs solitary, petals absent; calcareous bluffs, riverbanks; Gadsden Co.; Feb-Mar.
178. <i>Hexalectris spicata</i> (Walter) Barnh. ☼☼Atlas VA to MO, south to FL and TX, Mexico	Clewell, 186 Luer, 174-175☼☼ Radford <i>et al.</i> , 354-355☼☼ Small, 388 Wunderlin, 238	crested coralroot brunetta spiked crested coralroot	Orchidaceae; orchid family	terrestrial; lvs absent at flowering; flrs not spurred, golden brown with purple veins, lip red-violet, 3-lobed, ca. 17 mm long, column exposed, white; pine-hickory woods; secondary woods, calcareous hammocks; Alachua, Brevard, Calhoun, Citrus, Columbia, Dixie, Duval, Hernando, Indian River, Jackson, Lake, Lee, Leon, Levy, Jackson, Liberty, Marion, Pasco, Sarasota, St. Johns, Sumter and Suwannee cos.; June-Aug.
179. <i>Hibiscus poeppigii</i> (Spreng.) Garcke synonym: <i>H. pilosus</i> (Sw.) Faucett and Rendle ☼☼Atlas; Scurlock, p. 95 FL, West Indies, Mexico	Long and Lakela, 595 Small, 855 Wunderlin, 427-428	Poeppig's rose-mallow	Malvaceae; mallow family	shrub or herb, to ca. 2 m tall, slender branches; appressed stellate hairs in dense lines; lvs to 4 cm long, triangular-ovate (may have 3 obscure lobes); flrs solitary, nodding.; bracts linear, to 9 mm long; calyx to 12 mm long; petals red, united into a tube; seeds woolly; hammocks; Dade and Keys (Monroe) cos.; all year.
180. <i>Hippomane mancinella</i> L. FL, West Indies, Mexico, Central and South America ☼☼Atlas; Chafin.; Nelson, plate #54; Scurlock, p. 97	Correll and Correll, 818, 820-821☼☼ Long and Lakela, 544 Small, 790 Ward, 92-94☼☼ Wunderlin, 403	manchineel manzanillo poison-guava	Euphorbiaceae; spurge family	tree; to 15 m tall; bark rough; milky sap causes severe <u>dermatitis</u> ; lvs alternate, shiny, ovate, 5-8 cm long; terminal spike; flrs greenish; frt 2-2.5 cm wide, yellowish with rosy blush; hard stone; several seeds; coastal berm, rockland hammocks, maritime hammocks, tidal swamp borders; (Dade) and Monroe cos.; all year.
181. <i>Hybanthus concolor</i> (Forst.) Spreng. VT and Ontario to MI, KS, south to NC, FL, AR	Clewell, 513 Radford <i>et al.</i> , 723☼☼ Small, 894 Wunderlin, 441	green violet	Violaceae; violet family	herb; lvs 7-14 cm long on erect stems to ½ m tall; flrs with green petals, lower petal swollen; calcareous upland mixed forest; Gadsden Co.; Mar-May.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
182. <i>Hydrangea arborescens</i> L. ☆Atlas NY to OH, MO, OK, south to FL, LA, AR	Clewell, 480 Gleason and Cronquist, 226 Godfrey, 643-644 Radford <i>et al.</i> , 522-523☆ Small, 597 Ward, 140 Wunderlin, 324	wild hydrangea smooth hydrangea mountain hydrangea seven-bark American hydrangea	Hydrangeaceae; hydrangea family Or, Saxifragaceae; saxifrage family,	shrub; to 2 m tall; bark papery and shreddy; lvs opposite, deciduous, 18 X 12 cm, toothed; flrs in flat terminal cluster, large sterile flrs on outside edges, flrs white; rich woods, bluffs; Liberty and Walton cos. Jun-Jul.
183. <i>Hymenocallis godfreyi</i> G. Lom. Smith and M. Darst ☆Chafin endemic	Novon 4:396-399. 1994. Wunderlin, 217-218	Godfrey s spiderlily	Amaryllidaceae; amaryllis family Or, Liliaceae; lily family	herb, with bulb; rhizomatous; 3 to 6 yellow-green lvs, to 38 cm long and 2.5 cm wide; flowering stem to 30 cm long; 2 flowers, perianth tube to 8.5 cm long and green, broadly funnelform staminal cup with dentate marginal horns; frts subglobose; burned marsh; Wakulla Co.; Mar-May.
184. <i>Hymenocallis henryae</i> Traub ☆Chafin endemic	Clewell, 519 Brittonia 42(3): 212-220 Wunderlin, 217-218	Mrs. Henry's spiderlily green pine lily green spiderlily	Amaryllidaceae; amaryllis family Or, Liliaceae; lily family	perennial herb with bulb; up to 8 erect leaves, margins hyaline, to 60.5 cm long and 2.5 cm wide, appearing before the flrs; 2 flrs per stem, tube green, tepals greenish-white, staminal cup white, funnelform, irregularly toothed; cypress depressions in flatwoods, margins of pine flatwoods, scrubby border to pine plantations; Bay, Gulf, Liberty and Walton cos.; May-Jun.
185. <i>Hypelate trifoliata</i> Sw. ☆Atlas; Chafin; Scurlock, p. 98 FL and West Indies	Correll and Correll, 881-882☆ Long and Lakela, 574 Small, 829 Ward, 94 Wunderlin, 418	inkwood white ironwood melochia ebony	Sapindaceae; soapberry family	tree; to 13 m tall; white bark; heavy, close-grained wood; lvs evergreen, trifoliolate; flrs small, separate male and female on same tree; frt a drupe, 8-9 mm wide, black; rockland hammocks, pine rockland; Dade and Monroe [Keys only] cos.; Jun-Aug.
186. <i>Hypericum cumulicola</i> (Small) Adams Federal Register, 21 Jan 1987 synonym: <i>Sanidophyllum cumulicola</i> Small ☆Chafin endemic	Small, 874 Ward, 34-35☆ Wunderlin, 435-437	Highlands scrub hypericum	Guttiferae; garcini a family Or: Hypericaceae; or, Clusiaceae.	perennial herb; branched; resembles yellow-flax; lvs succulent, narrow, 4-5 mm long; flrs 3-many, petals 5 yellow, stamens grouped in 4's; white sand, sand pine scrub, abundant after fires; Highlands and Polk cos.; Jul-Nov.
187. <i>Hypericum edisonianum</i> (Small) Adams and Robson ☆Chafin endemic	Godfrey and Wooten, II-340-341 Small, 868, as <i>Ascyrum edisonianum</i> Ward, 94-95 Wunderlin, 435-437	Edison ascyrum Edison's ascyrum	Guttiferae; garcini a family Or: Hypericaceae; or, Clusiaceae	colonial shrub; to 1 m tall; highly branched at the top of plant; bark smooth, reddish brown to gray; lvs opposite, deciduous, prominent persistent leaf bases; 4 sepals, 4 yellow petals; numerous stamens; depression marsh, seepage slopes, wet prairie, wet flatwoods, ponds; DeSoto, Glades, Highlands and (Polk) cos.; all year.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
195. <i>Isopyrum biternatum</i> (Raf.) Torrey and Gray Kartesz uses: <i>Enemion biternatum</i> Raf. ☼☼Atlas Canada, to NY and MN, to VA, rare in NC and SC, absent from GA, FL and AK	Clewell, 462 Radford <i>et al.</i> , 456☼☉ Small, 512 Ward, 141 Wunderlin, 300, as Kartesz	false rue-anemone	Ranunculaceae; buttercup family	herbaceous perennial, roots yellowish with tuberous tips; lvs ternately cpd, margins entire, lflets lobes for more than half the length; sepals 5, petaloid, white, to 1 cm long; no petals; numerous stamens; follicles stipitate and beaked; rich woods, limestone ledges in hammocks; Jackson and Washington cos.; Jan-Mar.
196. <i>Isotria verticillata</i> (Muhlen. ex Willd.) Raf. Atlas uses: <i>Pogonia verticillata</i> (Muhl. ex Willd.) Nutt. ☼☼Atlas WI to ME, south to FL and LA	Clewell, 186 Godfrey and Wooten I, 650-651☼☉ Luer, 44-46☼☼ Radford <i>et al.</i> , 341-342☼☉ Small, 375-376 Wunderlin, 238	whorled pogonia purple 5-leaf orchid	Orchidaceae; orchid family	terrestrial, to 30 cm tall; lvs 5-6, whorled at top of stalk (resembles Indian-cucumber, <i>Medeola virginiana</i>); sepals purplish-brown, widely spreading, petals yellowish, converging over the column, lip 3-lobed, middle lobe white, lateral ones edged in purple; moist forests; Gadsden and Washington cos.; Apr.
197. <i>Jacquemontia havanensis</i> (Jacq.) Urban synonym: <i>J. jamaicensis</i> (Jacq.) Hall ☼☼Atlas FL, West Indies, Mexico, Belize	Correll and Correll, 1183 Long and Lakela, 724 Small, 1089 Wunderlin, 511	Havana clustervine	Convolvulaceae; morning-glory family	Stems woody at base, soft at tips, slender, vining, twining; lvs herbaceous, to 15 mm long, ovate, tips blunt, base obtuse; fls axillary, cymose or solitary, white, less than 1 cm wide; capsule subglobose with acute tip; hammocks; Dade and Keys (Monroe) cos.; all year.
198. <i>Jacquemontia pentantha</i> (Jacq.) G. Don [In 1998 Rule, listed as <i>J. pentanthos</i> (Jacq.) G. Don] ☼☼Atlas; Chafin FL and West Indies	The below (except Wunderlin) use <i>J. pentantha</i> : Correll and Correll, 1183-1184 Long and Lakela, 724 Small, 1089 Wunderlin, 511	skyblue clustervine	Convolvulaceae; morning-glory family	herbaceous vine, slender; lvs ovate, acute at tips, bases subcordate, 2-5+ cm long; fls axillary, densely cymose on peduncles longer than the lvs, usually only 1 to 2 open; corollas blue (maybe white), 10-20 mm long and wide when open; capsule enclosed by sepals; seeds glabrous, bumpy; hammocks; Collier, Dade and Monroe [incl. Keys] cos.
199. <i>Jacquemontia reclinata</i> House Federal Register, 24 November 1993 endemic	Long and Lakela, 724 Small, 1089 Ward, 36 Wunderlin, 510	beach jacquemontia beach clustervine	Convolvulaceae; morning-glory family	perennial vine from woody base, rarely dimbs; lvs fleshy, to 3 cm long, alternate; fls white, over 2 cm wide, calyx 0.4 to 0.5 cm long, ciliolate; beach dunes, strand openings; Broward, Dade, Martin (extirpated?) and Palm Beach cos.; Mar-Dec.
200. <i>Juncus gymnocarpus</i> Coville mountains PA to NC and TN, coastal plain AL and FL	Clewell, 174 Godfrey and Wooten I, 545, 547☼☉ Radford <i>et al.</i> , 275 Small, 283 Ward, 141-142 Wunderlin, 201-203	Coville s rush Pennsylvania rush	Juncaceae; rush family	perennial herb, rhizomatous, clonal; lvs lack blades; in flor appears lateral due to very long erect, flexible bract; flrs in loose cymes and single on the axes; inner perianth with blunt tips, outer sharp pointed; capsules longer than the perianth; acid swamps; Okaloosa, Santa Rosa, Walton and Washington cos.; Jun.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
216. <i>Lilium michauxii</i> Poiret ☼☼Atlas coastal plain VA to FL, west to LA; mountains WV, VA southward	Clewell, 179 Godfrey and Wooten I, 585 Radford <i>et al.</i> , 310-311☼☉ Small, 292, as <i>L. carolinianum</i> Wunderlin, 207-208	Carolina lily turk s-cap lily	Liliaceae; lily family	perennial herb, bulb and rhizomes; mid-stem lvs whorled (upper and lower lvs smaller, may be alternate), oblanceolate to narrowly obovate, entire margins; flrs orange-red, purple spotted, greenish at base tepals recurved, 1-2 cm wide; hammocks; Gadsden, Jackson, Liberty and Walton cos.; Jul.
217. <i>Lilium superbum</i> L. ☼☼Atlas; Chafin Canada, south to AL and FL	Clewell, 179 Godfrey and Wooten I, 587 Radford <i>et al.</i> , 310-311☼☉ Small, 291 Wunderlin, 207-208	turk s-cap lily lily royale	Liliaceae; lily family	perennial herb from bulb and rhizomes; mid-stem lvs whorled (upper lvs smaller and alternate), lanceolate to elliptic, tapering to both ends, entire margins; flrs orange or orange-red, purple spotted, bright green at base, tepals strongly recurved, ca. 2.5 cm wide; hammocks; Jefferson, Leon and Liberty cos.; Jul.
218. <i>Lindera melissifolia</i> (Walter) Blume Federal Register, 1981 [See Bell and Taylor, 63, for <i>L. benzoin</i> .] NC, SC, GA, FL, AL, MO	Godfrey, 413 Godfrey and Wooten, 359-360 Small, 924 Wunderlin, 308	pondberry Jove's-fruit southern spicebush	Lauraceae; laurel family	shrub to 2 m tall; lvs deciduous, ovate to elliptic, sassafras odor; flrs pale yellow, before lvs; drupe bright red; margins of limestone sinks and poorly drained depression s; Gadsden Co. Extirpated?.
219. <i>Lindera subcoriacea</i> B.E. Wofford ☼☼Chafin LA, MS, FL	Jour. Arnold Arbor. 64(2): 325	bog spicebush	Lauraceae; laurel family	shrub to 2 m tall; lvs deciduous, almost leathery, elliptic to oblanceolate, pine-lemon odor, less than 7.5 cm long; flrs pale yellow, before lvs; drupe bright red; bogs, seepage slopes; Okaloosa and Putnam cos. (possibly also Brevard, Marion and Orange cos.)
220. <i>Linum arenicola</i> (Small) Winkl. ☼☼Atlas; Chafin endemic	Godfrey and Wooten II, 258 Long and Lakela, 505 Small, 752 Wunderlin, 381-382	sand flax	Linaceae; flax family	perennial; lvs alternate (except lowest ones), linear; corollas yellow, less than 1 cm wide; staminodes; pine rocklands; Dade and Monroe [Keys only] cos.; all year.
221. <i>Linum carteri</i> Small 2 varieties: both endemic	Godfrey and Wooten II, 257-258 Long and Lakela, 507 Small, 752 Wunderlin, 381-382	Everglades flax Carter's flax and Small's flax	Linaceae; flax family	var. <i>carteri</i> : annual; lvs alternate, narrow; corollas orange-yellow, over 1 cm wide; mowed pine rockland; Dade Co.; Feb-Apr. var. <i>smallii</i> Rogers: petals 12-17 mm long (vs. 9-11 mm); stems smooth except at base (vs. scabrous or puberulent); mowed pine rockland, roadside, marl prairies; Collier, Dade, Hendry, (Martin) and Monroe [not in Keys] cos.
222. <i>Linum westii</i> Rogers ☼☼Chafin endemic	Clewell, 422 Godfrey and Wooten II, 258 Ward, 145-146☼☉ Wunderlin, 381-382	west flax West's flax	Linaceae; flax family	perennial herb; lvs opposite at base of plant, but alternate at top, to 17 mm long, 3-4 mm wide; flrs on short stalks, 5 yellow petals, ca. 6 mm long; cypress swamp, depression marsh, pond margins, slash pine-saw palmetto flatwoods; Baker, Calhoun, Clay, Franklin, Gulf, Jackson and Okaloosa cos.; Jun-Aug.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
223. <i>Liparis nervosa</i> (Thunb.) Lindl. Luer and Godfrey and Wooten use <i>L. elata</i> Lindl. FL, West Indies, Mexico, Central and South America	Godfrey and Wooten, 673, 676-677 Luer, 170-171 ☼ ☼ Wunderlin, 238	tall twayblade orchid tall liparis pantropical widelip orchid	Orchidaceae; orchid family	terrestrial to semi-epiphyte; to 50 cm tall; 3-7 lvs, plicate (folded fan-like), to 30 cm long and 12 cm wide; raceme few to many flowered; fls small, purple, rose, to greenish, column greenish; cypress swamps, rich humus of hammocks, wet muck; Collier, Dade (extirpated?), Hernando and Hillsborough cos.; Jul-Sep.
224. <i>Litsea aestivalis</i> (L.) Fern. ☼ ☼ Atlas; Chafin VA to FL, west to LA, TN	Clewell, 389 Godfrey, 413, 414 ☼ ☼ Godfrey and Wooten II, 359 Radford <i>et al.</i> , 478-479 ☼ ☼ Small, 923: as <i>Glabraria geniculata</i> Ward, 146-147 ☼ ☼ Wunderlin, 308	pond-spice pondspice pond bush	Lauraceae; laurel family	shrub; to 3 m tall; zigzag branches; lvs deciduous, alternate, acute tips; fls in clusters, 6 yellow tepals, 9 staminodia; fls bright red drupes; margins of ponds, bayheads, hammocks in cypress swamps, peaty soils; Alachua, (Citrus,) Clay, Columbia, Dixie, (Lafayette,) Levy, Madison, Marion, Okaloosa, Pasco, Putnam and Taylor cos.; Feb-Apr.
225. <i>Lomariopsis kunzeana</i> (C. Presl ex L. Underw.) Holttum <i>Stenochlaena kunzeana</i> (Pres.) Underw. Fl and West Indies	FNA, 304-305 Lakela and Long, 110, 112 ☼ ☼ Long and Lakela, 104 Small: ferns, 63-65 ☼ ☼ Wunderlin, 57	climbing holly-fern holly fern holly vine fern	Pteridophyta-- Polypodiaceae/ Dryopteridaceae/ Lomariopsidaceae; wood fern family	fern; long-creeping or climbing by stems; petiole about 1/2 as long as blade, rachis winged, sterile lvs with coarsely serrated fllets, fertile fllets wholly covered with sporangia; limestone sinkholes in rockland hammocks; Dade Co.
226. <i>Lupinus aridorum</i> McFarlin ex Beckner Endangered Species Act 1973; Federal Register, 7 Apr 1987 <i>Lupinus westianus</i> var. <i>aridorum</i> (McFarlin ex Beckner) Isely ☼ ☼ Chafin; Taylor, p. 244 endemic	Isely, 119, as <i>L. westianus</i> Small, 68, as <i>L. westianus</i> Ward, 99-100 ☼ ☼ Wunderlin, 364	McFarlin's lupine Beckner's lupine	Leguminosae/ Fabaceae; legume family Papilionoidae; pea subfamily	herb; stems and lvs with short hairs; no stipules; fls pink to rose with deep reddish-purple spot on standard; sand pine scrub, yellow sand; Orange, Osceola, and Polk cos.; Mar-Apr.
227. <i>Lycopodium dichotomum</i> Jacq. Kartesz: <i>Huperzia dichotoma</i> (Jacq.) Trevisan FNA: <i>Phlegmariurus dichotomus</i> (Jacq.) W.H. Wagner ☼ ☼ Chafin FL, West Indies, Mexico, Central and South America	FNA, 20 Lakela and Long, 23 and 26 ☼ ☼ Small: ferns, 405-406 ☼ ☼ Ward, 38-39 ☼ ☼ Wunderlin, 33, as Kartesz	hanging clubmoss hanging fir-moss	Pteridophyta-- Lycopodiaceae; club-moss family	epiphyte on pond-apple and pop-ash trees; perennial; stems pendent; sporangia in zones of younger branches (lacks strobili); strand swamps; Collier Co.
228. <i>Lythrum curtissii</i> Fernald ☼ ☼ Chafin FL and GA	Clewell, 426 Godfrey and Wooten II, 380-381 Small, 931 Wunderlin, 450-451	Curtiss lythrum Curtiss' loosestrife	Lythraceae; loosestrife family	herb; lvs alternate (lower ones opposite), lvs in branches abruptly smaller than those of main stem; calyx lobes and the appendages between them equal in length; swampy woods, seepages along calcareous river; Franklin, Gadsden and Liberty cos. July-Sep.
229. <i>Lythrum flagellare</i> Shuttlew. ex Chapman ☼ ☼ Chafin endemic	Godfrey and Wooten II, 380 Long and Lakela, 634 Small, 931 Wunderlin, 451	lowland loosestrife	Lythraceae; loosestrife family	perennial herb, creeping rhizome, sprawling stems; lvs opposite, oblong or elliptic, to 12 mm long, tips blunt; fls solitary in lf axils, lavender to purple, floral tube turbinate; low open ground, swamps, thickets; Charlotte, Collier, DeSoto, Glades, Hendry, Hernando, Lee, Manatee, Okeechobee, Orange and Sarasota cos.; Spr.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
237. <i>Malaxis unifolia</i> Michaux Newfoundland and Quebec to Manitoba, south to FL, TX, Mexico, West Indies and Central America ☼☼Atlas	Clewell, 186 Godfrey and Wooten I, 673, 675☼☼ Luer, 166-167☼☼ Radford <i>et al.</i> , 351 Small, 386 Ward, 147-148 Wunderlin, 239	green adder's-mouth green addersmouth orchid	Orchidaceae; orchid family	terrestrial; to 20 cm tall; lf solitary, sheathing lower half of stem, to 9 cm long and 6 cm wide; infl many flrs raceme with lower flrs opening first; flrs green, lip lowermost, bifid (resembles a viper's fangs!); damp woods, bogs, sinks, bluffs; Alachua, Escambia, Hernando, Jackson, Leon, Liberty, Marion, Wakulla, Walton and Washington cos.; Feb.
238. <i>Marshallia obovata</i> (Walter) Beadle and Boynton VA to GA, AL and FL ☼☼Chafin	Clewell, 318 Cronquist, 66 Radford <i>et al.</i> , 1131☼☼ Small, 1457 Ward, 148-149 Wunderlin, 639	Barbara's buttons spoonshape Barbara s buttons	Compositae/ Asteraceae; daisy family tribe: Helianth eae.	perennial herbs; to 2 m tall; colonial; lvs alternate, 3-nerved at bases; heads solitary, 2-3.5 cm wide; flrs all tubular, white; meadows, open woods, rocky stream banks, sandhills; Jackson Co.; Apr-May.
239. <i>Marshallia ramosa</i> Beadle and Boynton GA and FL ☼☼Chafin	Clewell, 318 Cronquist, 66 Small, 1457 Wunderlin, 639	Barbara's buttons southern Barbara s buttons	Compositae/ Asteraceae; daisy family tribe: Helianth eae.	herb; stem branched; bracts acute, glabrous, without glandular dots; no ray flrs, disc flrs white (sometimes pale lavender); pinelands and savannahs, with wiregrass; Washington Co.
240. <i>Matelea alabamensis</i> (Vail) Woodson AL, GA, FL ☼☼Chafin	Clewell, 252 Small, 1075 Ward, 40 Wunderlin, 503	Alabama spiny pod Alabama milkvine	Asclepiadaceae; milkweed family	vine; lvs to 18 cm long; calyx lobes hairy, paired basal glands; corollas greenish yellow with unridged corona; follicles stout, not winged, with fleshy spines; hardwood bluffs; Liberty and Walton cos.; Apr-Jun.
241. <i>Matelea baldwyniana</i> (Sweet) Woodson Except for Wunderlin, listed references use: <i>Matelea baldwyniana</i> . OK, MO, AR, AL, FL ☼☼Chafin	Clewell, 252 Small, 1077 Ward, 149 Wunderlin, 503	Baldwin's spiny pod Baldwin s milkvine	Asclepiadaceae; milkweed family	vine; lvs to 16 cm long, basal lobes overlapping; corollas white or yellowish, corona appears 10-lobed (5 narrow lobes with 2 teeth and 5 shorter broader lobes); hardwood bluffs; Gadsden and Jackson cos.; Apr-Jun.
242. <i>Matelea flavidula</i> (Chapman) Woodson SC, GA, AL, FL	Clewell, 252 Radford <i>et al.</i> , 858 Small, 1078 Wunderlin, 503	yellowflowered spiny pod yellow Carolina milkvine	Asclepiadaceae; milkweed family	vine; lvs to 16 cm long, basal lobes not overlapping; corollas yellowish, corona not mostly black, appears 10 lobed; corollas lobes spreading; slope forests, bluffs, upland mixed forest; Duval, Gadsden, Liberty and Washington cos.
243. <i>Matelea floridana</i> (Vail) Woodson synonym: <i>Odontostephana floridana</i> (Vail) E. J. Alex. endemic	Clewell, 252 Small, 1078 Wunderlin, 503	Florida spiny pod Florida milkvine	Asclepiadaceae; milkweed family	vine; lvs to 5 cm long; corollas purplish; corona mostly black; bluffs, pine-oak-hickory woods; Alachua, Bradford, Citrus, Clay, Columbia, (Dade, introduced), Duval, Hernando, Lake, Levy, Liberty, Madison, Manatee, (Marion) and Orange cos.; Apr-Aug.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
244. <i>Matelea pubiflora</i> (Decne.) Woodson GA and FL	Small, 1078 Wunderlin, 503-504	sandhill spiny pod trailing milkvine	Asclepiadaceae; milkweed family	slender vine-like herb; lvs 2 to 4 cm long; calyx about as long as corolla; corolla dull-purple, campanulate; sandhills and scrub; Alachua, Citrus, Clay, Columbia, Gilchrist, Highlands, Hillsborough, Lafayette, Lake, Levy, Orange, Polk, Putnam and Suwannee cos.
245. <i>Maxillaria crassifolia</i> (Lindl.) Reichenb. f. ✪✪Chafin FL, West Indies, Mexico, Central and South America	Luer, 251, 253✪✪ Long and Lakela, 337 Small, 1501 Ward, 41 Wunderlin, 239	hidden orchid	Orchidaceae; orchid family	epiphyte on pond-apple and pop-ash; pseudobulb with several lvs hiding it; lvs 30 cm long, fold halfwise along the midrib; flrs hidden in axils of lvs, yellow, leathery, up to 1.5 cm long; strand swamps; Collier Co.; Sep-Jan.
246. <i>Maxillaria parviflora</i> (Poepp. and Endl.) Garay FL, West Indies, Mexico, Central and South America	Lindleyana 8(1): 25-31✪✪ Wunderlin, 239	minnie-max	Orchidaceae; orchid family	epiphyte; pseudobulb laterally compressed, to 4 cm long and 12 mm wide; lvs to 20 cm long and 20 mm wide; infl on 1 cm long stalks; petals to 4 mm long, white to yellowish, lip to 4 mm long, orange-yellow and wedge-shaped; capsule globose, to 8 mm wide; strand swamps; Collier Co.
247. <i>Medeola virginiana</i> L. ✪✪Atlas Nova Scotia, Quebec to MI, WI, s to VA and MO, mountains of GA and AL, and FL	Clewell, 180 Godfrey and Wooten I, 587 Radford <i>et al.</i> , 293✪✪ Small, 305 Ward, 149-150 Wunderlin, 208	Indian cucumber-root cushat-lily	Convallariaceae; lily-of-the-valley family Or, Liliaceae; lily family	perennial herb; horizontal white tuber with taste of cucumber, 5-9 lvs in circle midway of stem; another circle (of 3) at top of stem; several flrs, greenish-yellow, 6 tepals; bottomland forest; Gadsden, Leon, Liberty, Okaloosa and Santa Rosa cos.; Apr.
248. <i>Microgramma heterophylla</i> (L.) Wherry synonym: <i>Phymatodes heterophyllum</i> (L.) Small FL, West Indies	Lakela and Long, 90-91✪✪ Long and Lakela, 82 FNA, 329-330 Small: ferns, 91-93✪✪ Wunderlin, 45	climbing vine fern vine fern	Pteridophyta-- Polypodiaceae; polypody family	epiphytic fern; stem creeping (vine-like); blades undivided, upper surface glabrous except some scales on midvein; sori in one row between midrib and margin; rockland hammocks; Collier, Dade, Monroe [not Keys] and (Palm Beach) cos.
249. <i>Minuartia godfreyi</i> (Shinners) McNeill ✪✪Chafin FL, AL, SC, NC	Clewell, 266 Godfrey and Wooten II, 120 Radford <i>et al.</i> , 443, as <i>Arenaria</i> Small, 498-499, as <i>Sabulina</i> Wunderlin, 291	Godfrey s sandwort	Caryophyllaceae; carnation family	perennial herb, prostrate, leafy throughout; lvs linear, 10-3.5 mm long; fl stalks stipitate-glandular; petals 5, white, 2X long as sepals; creek banks, seepage areas; Taylor and Volusia cos.; Mar-May.
250. <i>Monotropa hypopithys</i> L. synonym: <i>Hypopitys monotropa</i> Crantz. ✪✪Atlas; Bell and Taylor, p.82 North America south, and Mexico	Radford <i>et al.</i> , 795-796✪✪ Small, 988, as <i>Hypopithys americana</i> Ward, 150-151 Wunderlin, 477	pine-sap false beechdrops	Ericaceae; heath family Or, Monotropaceae; monotropa family	herb without chlorophyll; plant yellow, tawny, pinkish or red; several flrs, petals separate, deciduous; upland woods; Lake, Marion, Okaloosa, (Orange) and Walton cos.; Oct-Nov.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
251. <i>Monotropis reynoldsiae</i> (Gray) Heller Atlas uses: <i>M. odorata</i> Schwein. ✿Atlas; Chafin endemic	Small, 989 Ward, 41-42✿☉ Wunderlin, 477	pygmy-pipes sweet pine-sap	Ericaceae --see above-	herb without chlorophyll; dirty white to brownish-purple; several nodding flrs, petals united at base, persistent; grows on <i>Cornus florida</i> roots; (Brevard), Citrus, Hernando, (Marion,) Pasco, St. Johns and (Volusia) cos.; Jan-Feb.
252. <i>Nemastylis floridana</i> Small ✿Chafin; Taylor, p. 240; DPI poster, plate #15 endemic	Small, 326 Ward, 102-103✿☉ Wunderlin, 224	celestial lily fall-flowering ixia	Iridaceae; iris family	herb with bulb; lvs narrow, overlapping; flrs erect, violet or blue with white eye, sepals and petals similar; filaments partly united into a short tube around the style, anthers coiling from the tip; clearings in swamps, marshes and wet pine flatwoods; Brevard, Broward, Flagler, Lake, Martin, Orange, Osceola, Palm Beach, Pasco, Polk, Seminole and Volusia cos.; Jul-Nov.
253. <i>Neurodium lanceolatum</i> (L.) Fée <i>Kartesz: Nevrodium</i> FNA: <i>Paltonium lanceolatum</i> (L.) C. Presl FL, West Indies, Mexico, Central America	FNA, 330, as <i>Paltonium</i> Lakela and Long, 90, 92✿☉ Long and Lakela, 83 Small: ferns, 98-99✿☉ Wunderlin, 45	ribbon fern	Pteridophyta-- Polypodiaceae; polypody family	epiphytic fern; fronds to 45 cm long, tufted, narrowed to apex, veins net-like; sori in a nearly marginal band at the tip to nearly mid-leaf; hammocks and mangrove swamps; Dade and Monroe [Keys only] cos.
254. <i>Nolina brittoniana</i> Nash Federal Register, 18 Mar 1993 ✿Atlas; Chafin; Taylor, p. 35 endemic	Small, 304 Wunderlin, 213	Britton's beargrass	Dracaenaceae; dragons blood family Or, Agavaceae; agave family Or, Liliaceae; lily family	perennial, short stem; plant either male or female (occasional ones both); lvs long and slender (to 13 mm wide), rough margins; as <i>N. atopocarpa</i> , except ovary depressed at apex, capsule notched at both ends; dry pinelands and sand pine scrub; Hernando, Highlands, Lake, Marion, Orange, Osceola and Polk cos.; Mar-May.
255. <i>Nymphaea jamesoniana</i> Planch. Wunderlin, 296-297	Wunderlin, 296-297	Jameson's water lily night blooming waterlily	Nymphaeaceae; waterlily family	perennial; lf margins entire (to slightly sinuate), upper surface with papillae and short lines; 4 sepals, petals white, night-blooming; ponds, canals, sloughs; Charlotte, Citrus, DeSoto, Lee, Levy and Sarasota; summer-fall.
256. <i>Ocimum campechianum</i> P. Mill. ✿Atlas FL, West Indies, Mexico, Central and South America	As <i>O. micranthum</i> Correll and Correll, 1262- 1264✿☉ Long and Lakela, 750,752 Small, 1181 Wunderlin, 533	ocimum mosquito plant wild basil wild mosquito plant wild sweet basil	Labiatae/ Lamiaceae; mint family	annual, to 50 cm tall; lvs opposite, petiolate, ovate to ovate-oblong, 2-7 cm long, acute tips, toothed margins, glandular-punctate; flrs clustered in panicles to 10 cm long; calyx 2-lipped, lower lip with 4 lobes; corolla 2-lipped, lower lip with 2 ovate lobes and a notched middle one, white to purplish, ca. 4 mm long and barely longer than calyx; nutlets ca. 1 mm long; disturbed sites; Collier, Dade and Monroe [incl. Keys] cos.; all year.
257. <i>Okenia hypogaea</i> Schlecht. and Cham. ✿Atlas; DPI poster, plate #14 FL, Mexico	Long and Lakela, 389 Small, 487 Ward, 43-44✿☉ Wunderlin, 284	beach peanut burrowing four-o'clock dune groundnut	Nyctaginaceae; 4 o'clocks family	annual; stems and lvs sticky (sand sticks!); lvs opposite; flrs reddish purple, about 3 cm across, long tube and 5 notched lobes; fl-stalk elongates after fruit begins to form and pushes the fruit under the sand; ocean side of coastal dunes; Broward, Dade, (Martin), (Monroe), Palm Beach and St. Lucie cos.; May-Nov.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
258. <i>Oncidium bahamensis</i> Nash ex Britt. and Millsp. [sic: should be <i>bahamense</i>] Kartesz: <i>Tolumnia bahamensis</i> (Nash ex Britt. and Millsp.) G.J. Braem synonym: <i>Oncidium variegatum</i> Sw. FL and West Indies	Correll and Correll, 379 Long and Lakela, 336 Luer, 256-257☼☼ Small, 397, Ward, 103-104 Wunderlin, 246, as <i>Tolumnia</i>	dancing-lady orchid variegated orchid Florida variegated orchid	Orchidaceae; orchid family	epiphyte; pseudobulb minute; lvs curved and keeled, margin serrate, to 7 cm long; slender flr stalk; fls white and greenish marked with purple and brown; rosemary scrub; Martin and Palm Beach cos. [introduced?]; winter-spring.
259. <i>Oncidium floridanum</i> Ames ☼☼Chafin; DPI poster, plate #63 FL and West Indies	Correll and Correll, 379-381☼☼ Long and Lakela, 336-337 Luer, 258-259☼☼ Small, 397 Wunderlin, 239, as <i>O. ensatum</i>	Florida oncidium FL dancinglady orchid	Orchidaceae; orchid family	mostly terrestrial, occasionally epiphytic; pseudobulb large and flattened; lvs flat to folded, to 1½ m tall, margins entire; inflor to 2½ m long; flrs mottled brown on yellow-green with a violin-shaped lip; rockland hammocks; Collier, Dade, Monroe (not Keys) cos.; May to Aug, all year.
260. <i>Oncidium luridum</i> Lindl. FL, West Indies, Mexico, Central America, northern South America	Long and Lakela, 337 Luer, 260-261☼☼ Small, 397, as <i>O. undulatum</i> Wunderlin, 239-240, as <i>O. undulatum</i>	mule-ear orchid Cape Sable dancinglady orchid	Orchidaceae; orchid family	epiphytic; pseudobulb ca 1 cm long and concealed by bracts; one leaf, leathery, to 60 cm long and 12 cm wide; inflor to 2 m long; flrs golden-yellow mottled with reddish-brown, glossy (albino form: chartreuse); buttonwood hammocks, strand swamps, coastal berm; Collier, Dade and Monroe [incl. Keys] cos.; Dec-Jun.
261. <i>Ophioglossum palmatum</i> L. FNA: <i>Cheiroglossa palmata</i> (L.) C. Presl ☼☼Atlas FL, West Indies, Mexico, Central and South America, Asia, Africa	FNA, 106, <i>Cheiroglossa</i> Lakela and Long, 40-41☼☼ Long and Lakela, 71☼☼ Small: ferns, 368-369☼☼ Ward, 44-45☼☼ Wunderlin, 37	hand fern	Pteridophyta-- Ophioglossaceae; adder s-tongue family	fern; lvs 2 or 3, pendent, flattened, with 2 to 6 or 7 elongated "fingers"; grows in bases of cabbage palm lvs in hydric hammocks, strand swamps; Brevard, Broward, Collier, Dade, (Highlands), Hillsborough, Indian River, Lee, Martin, Monroe [not Keys], Orange, Palm Beach, Pasco, Polk, Seminole, St. Lucie, (St. Johns) & Volusia cos.
262. <i>Opuntia corallicola</i> (Small) Werderm. in Backeberg Atlas uses: <i>O. corallicola</i> (Small) Werderm. [In 1998 Rule, listed as: <i>Opuntia spinosissima</i> (Martyn) P. Mill.] ☼☼Atlas; Chafin; DPI poster, plate #33; Scurlock, p. 119 FL and West Indies	Benson, 531 Long and Lakela, 626 Small, 912, as <i>Consolea</i> Wunderlin, 447, as <i>O. spinosissima</i>	semaphore cactus semaphore pricklypear	Cactaceae; cactus family	treelike; stems to 2 m tall, stems cylindrical; branches grow in one plane from the trunk (hence "semaphore"); copiously spiny, spines not barbed; flrs bright red, unfertilized flrs revert to vegetative branch; frts yellow; rocky hammocks, coastal barrens; Keys [Monroe Co].
263. <i>Opuntia triacantha</i> (Willd.) Sweet See Internet: http://mobot.mobot.org/Pick/Search/pick.html ☼☼Atlas; Chafin FL and West Indies	Benson, 429-430 Long and Lakela, 624 Small, 902, as <i>O. abjecta</i> Wunderlin, 447-448, as <i>O. triacanthos</i>	Keys Joe-jumper 3-spined prickly-pear jumping prickly-pear Spanish lady	Cactaceae; cactus family	stems flattened, nearly prostrate, joints loosely attached, 4-8 X 3-4 cm; spines strongly barbed, circular (not flattened) in cx, 1-6 spines per areole; petals pale yellow; frts red or reddish-purple, tuberculate; coastal rock barrens, openings in rockland hammocks; Monroe Co. [Keys only]; May-Aug.
264. <i>Oxypolis greenmanii</i> Math. and Const. synonym: <i>O. filiformis</i> (Walter) Britton ssp. <i>greenmanii</i> (Math. and Const.) Judd endemic	Clewell, 506 Godfrey and Wooten II, 447-449☼☼ Ward, 46☼☼ Wunderlin, 470-471, as <i>O. filiformis</i>	giant water-dropwort giant water cowbane	Umbelliferae/ Apiaceae; carrot family	perennial herb; up to 2.5 m tall; reddish-purple pigments on stems and lvs; lvs phyllodial, unlobed, hollow, septate, to 4/10 m long; flrs in umbel, tiny, maroon; anthers white; acid swamps, shallow water of cypress ponds and flatwoods depressions; Bay, Calhoun, Gulf cos, Jul-Sep.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
272. <i>Passiflora sexflora</i> Juss. FL, West Indies, Mexico, Central and South America	Long and Lakela, 619-620 Small, 896 Vanderplank, 157 Wunderlin, 443-444	goat s foot leaf passionvine 6-flowered passion flower	Passifloraceae; passion-flower family	vine, stems hairy; petioles without glands; lvs 2-3 lobed, to 8 cm long and 11 cm wide; flrs fascicled, 2-6 per node; flrs to 3 cm wide; sepals greenish white, petals white, to 1 cm long; corona in 2 series (outer: purple with white tips, inner: purple); berry, globose, 1 cm wide, hairy, greenish purple; hammocks; Dade Co.; all year.
273. <i>Pavonia paludicola</i> D.H. Nichols. synonym: <i>P. spicata</i> Cav. Atlas FL, West Indies, Central and South America	Correll and Correll, 939-940 Godfrey and Wooten II, 321 Long and Lakela, 592-593 Small, 854, as <i>Malache scabra</i> Wunderlin, 430-431	swampbush mangrove mallow	Malvaceae; mallow family	shrub, to 3 m tall, stellate hairs; petioles to 8 cm long; lvs ovate to elliptic-ovate, to 15 cm long, cordate at base, acuminate at tips; flrs in racemes; bracteoles 6 to 10, separate; calyx 5-lobed; petals 5, greenish yellow, to 3 cm long; capsule with 5 parts, each keeled and with 2 short beaks; mangroves, seashore marshes; Collier, Dade and Monroe [not Keys] cos.; all year.
274. <i>Pellaea atropurpurea</i> (L.) Link Ontario, Quebec, south to FL, TX, NM, AZ, Mexico, Central America	Clewell, 48 FNA, 185 Radford <i>et al.</i> , 18 Small: ferns, 134-136 Wunderlin, 41	a cliff brake fern hairy cliff-brake fern purple cliff-brake	Pteridophyta-- Pteridaceae; maidenhair fern family	fern; evergreen; on rocks; petiole and rachis reddish-purple to black and with crisped hairs; lvs leathery, vary: simple, trifoliate compound, sterile lvs shorter and less divided than fertile ones; lv segment margins form false indusia which conceal the long-stalked sporangia with 32 spores; Washington co; summer and fall.
275. <i>Peperomia amplexicaulis</i> (Swartz) A. Dietr. [See Bell and Taylor, 64, for <i>P. simplex</i> .] Jamaica, FL	Boufford, 1982, in J. Arnold Arbor. 63: 317-325 Wunderlin, 250 not native	clasping peperomia Jackie s saddle	Piperaceae; pepper family	vine; lvs narrowly to broadly oblanceolate, sessile to subsessile, auriculate and more-or-less clasping; similar to <i>P. magnoliifolia</i> , Dade Co. (extirpated?).
276. <i>Peperomia glabella</i> (Swartz) A. Dietr. FL and tropical America	Correll and Correll, 406 Long and Lakela, 343 Wunderlin, 250 not native	cypress peperomia	Piperaceae; pepper family	epiphyte; stems climbing succulent, with divergent branches; plant covered with black dots; lvs less than 10 cm long, conspicuously 3-veined; hammocks, sloughs; Collier Co. (extirpated?); Dec-Mar.
277. <i>Peperomia humilis</i> A. Dietr. Chafin FL and West Indies	Long and Lakela, 343 Small, 400-401, as <i>Micropiper</i> Wunderlin, 250-251	peperomia low peperomia	Piperaceae; pepper family	terrestrial (or epiphyte); stems hairy, often reddish; frts not crowded on the spike; maritime hammocks, upland hardwood; swamp; Brevard, Citrus, Collier, Dade, Duval, Hernando, Indian River, Martin, Monroe [not Keys], Polk, St. Lucie, Sumter and Volusia cos.; Aug-Jun.
278. <i>Peperomia magnoliifolia</i> (Jacq.) A. Dietr. synonym: <i>P. spathulifolia</i> FL, West Indies, Panama to Venezuela	Correll and Correll, 406 Long and Lakela, 343 Small, 401-402, as <i>Rhynchophorum</i> Ward, 49 Wunderlin, 250-251	spathulate peperomia spoonleaf peperomia	Piperaceae; pepper family	epiphyte; stout stems, branches elongated and vine-like; lvs to 10 cm long, flrs on cylindric spike; grows far above ground in upper branches of oaks. Similar to <i>P. obtusifolia</i> ; lacks microscopic hairs on peduncle; beak on fruit is hooked at middle (vs. at apex) and is subulate from a broad base (vs. filiform). Hattie Bauer and Burden's (Murden?) Hammocks in Dade Co. (extirpated?); all year.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
279. <i>Peperomia obtusifolia</i> (L.) A. Dietr. synonym: <i>P. floridana</i> Small ☼☼Atlas; Chafin FL, West Indies, tropical America	Correll and Correll, 406-407 Long and Lakela, 343 Small, 401, as <i>Rhynchosporum</i> Ward, 49 Wunderlin, 250-251	Florida peperomia	Piperaceae; pepper family	epiphyte; stems stout with elongate branches, often vinelike; lvs to 15 cm long, narrowly obovate; spikes erect; <u>SEE P. magnoliifolia</u> ; rockland hammocks, strand swamps; Brevard, Collier, Dade, Indian River and Monroe [not Keys] cos.; all year.
280. <i>Pharus glaber</i> Kunth Atlas uses: <i>Pharus lappalaceus</i> Aubl. FL and tropical America	Judziewicz and Guala, in press Small, 92☼☼as <i>P.</i> <i>parvifolius</i> (not same species?) Wunderlin, 73-74, 127	creeping leafstalk grass	Gramineae/ Poaceae; grass family	perennial; stems creeping and rooting at nodes, 10 to 35 inches tall; lvs 2½-10 inches long, ¾-2¼ wide, tips elongated, pseudopetiole conspicuous and twisted; seedhead a panicle with a terminal bristle; spikelets in pairs, ♀ very tiny and stalked, ♀ almost sessile, lemma 2X as long as glumes, hairy, hairs towards end of grain are hooked; dry woods and rocky hammocks; Citrus and Polk cos.; fall.
281. <i>Phoradendron rubrum</i> (L.) Griseb. [See Bell and Taylor, 121, for <i>P. serotinum</i> .] FL and West Indies	Correll and Correll, 433 Long and Lakela, 366 Ward, 104-105 Wunderlin., 267	mahogany mistletoe narrow-leaved mistletoe	Viscaceae; mistletoe family	parasitic on West Indian mahogany; shrub; young branches 4-angled; 2 to 4 cataphylls (bracts) at the base of each branch; frts lemon yellow to orange; rockland hammocks; Monroe Co. [Keys only] (extirpated?); frts Feb-May.
282. <i>Phyla stoechadifolia</i> (L.) Small [See Taylor, 91; Bell and Taylor, 243, for <i>P. nodiflora</i> .] FL, West Indies, Mexico	Correll and Correll, 1240-1241 Godfrey and Wooten II, 588 Long and Lakela, 742, as <i>Lippia</i> Small, 1140 Wunderlin, 523-524	southern matchsticks marsh phyla southern frogfruit	Verbenaceae; vervain family	shrubby with vine-like arching branches; lvs to 6 cm long, linear-lanceolate, toothed to the base, veins deeply impressed; flrs in dense globose or elongated heads, axillary; calyx 2-lobed; petals white aging purplish, ca. 4 mm long; frts, ca. 2 mm long, flat, notched at tips; glades, low pineland, swamps; Broward and Dade cos.; all year.
283. <i>Phyllanthus liebmannianus</i> Muell.-Arg. ssp. <i>liebmannianus</i> is from Mexico ssp. <i>platylepis</i> (Small) Webster our plants; endemic. ☼☼Atlas	Godfrey and Wooten, II-278 Small, 779 Ward, 152-153 Wunderlin, 405-406	pine-wood dainties Florida leafflower	Euphorbiaceae; spurge family	perennial herb; thickened root; lvs alternate, sessile; flrs in axillary cluster, inconspicuous; floodplain forest, wet hammocks, wet flatwoods; Dixie, Levy and Taylor cos.; May-Jul.
284. <i>Physocarpus opulifolius</i> (L.) Maxim. ☼☼Atlas [Note: although widespread, this species is not common.] Que, MN, SD, CO, south to NC, TN, AR, GA, FL	Clewell, 469 Godfrey, 565-567☼☼ Godfrey and Wooten II, 219-220 Radford <i>et al.</i> , 555-556☼☼ Small, 607 Wunderlin, 329	ninebark	Rosaceae; rose family	shrub to 3 m tall; bark peels and shreds; lvs to 7 cm long, usually with 3 lobes and 3 main veins, toothed; flrs in terminal clusters, petals 5, white, 5-7 mm long; stream banks, bluffs; Calhoun and Jackson cos.; Apr-Jun.
285. <i>Picramnia pentandra</i> Sw. ☼☼Atlas; Chafin; Nelson, plate #142 FL, West Indies, South America	Correll and Correll, 740-742☼☼ Long and Lakela, 518 Small, 763 Wunderlin, 387	Florida bitterbush snake-root bitterbush	Picramniaceae; picramnia family or Simaroubaceae; quassia family	shrub or tree, to 10 m tall; lflets 5-9, ovate or elliptic, to 10 cm long, glossy above, fine appressed hairs below eventually lost; separate ♀ and ♂ flowers, 5 tiny sepals, 5 tiny petals, 5 stamens; berries globose to obovoid, red becoming black, to 15 mm long; coastal hammocks; Dade Co.; winter, spring.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
286. <i>Pilosocereus bahamensis</i> (Britt.) Byles and G.D. Rowley FL, West Indies	Correll and Correll, 1002, as <i>Cephalocereus bahamensis</i> Wunderlin does not list; however, Atlas does list.	Bahamian treecactus	Cactaceae; cactus family	columnar, to 4 m tall, to 20 cm thick at base; dull green; flowering areoles without wool or wool much shorter than the flowers, without short barbed bristles but with 15-20 spines; fls short-campulate, petals white, style exerted; frt smooth; rockland hammock; Key Largo [Monroe Co.] .
287. <i>Pinguicula ionantha</i> Godfrey Federal Register, threatened, 12 July 1993 ✱Chafin endemic	Clewell, 419 Godfrey and Wooten, II: 678, 680 ✱☉ Wunderlin, 564	Panhandle butterwort violet butterwort	Lentibulariaceae; bladderwort family	terrestrial, perennial herbs, camivorous; flat basal rosette with glandular lvs bright green; fls with lobes longer than wide, uniformly light violet to white and with a ring of deeper violet around the tube entrance, yellow palate exerted; flatwoods, bogs, shallow water; Bay, Franklin, Gulf, Liberty and Wakulla cos.; Feb-Apr.
288. <i>Pinguicula primuliflora</i> Wood and Godfrey MS, AL, GA, FL	Clewell, 420 Godfrey and Wooten, II: 678-679 ✱☉ Wunderlin, 564	primrose-flowered butterwort southern butterwort	Lentibulariaceae; bladderwort family	terrestrial, perennial herbs, camivorous; basal rosette with glandular lvs bright green and with enrolled margins, plantlets arise from tips of older lvs; fls with lobes broad as long, ring of white above the throat, outer ¾ of corolla violet, tube yellow with reddish veins; shallow water, swamps, boggy banks and seepage heads of streams, dense to partial shade; Bay, Escambia, Holmes, Okaloosa, Santa Rosa, Wakulla, Walton and Washington cos.; Feb-Apr.
289. <i>Pisonia rotundata</i> Griseb. ✱Atlas; Scurlock, p. 125 FL, West Indies	Correll and Correll, 496-497 ✱☉ Long and Lakela, 390-391 Small, 489 Wunderlin, 285	devil s smooth claws cockspur smooth devils claws	Nyctaginaceae; four-o clock family	shrub, pale bark, no thorns; lvs opposite, obovate or elliptic-ovate, tips blunt (sometimes with mucro), to 9 cm long; cyme 2-6 cm wide, many fls; ♀ fls 2-3 mm long and ♀ frs 4 mm long; frt club shaped, 5-6 mm long with 5 rows of short-stalked glands; hammocks, pinelands; Keys (Monroe Co.).
290. <i>Pityopsis flexuosa</i> (Nash) Small Cronquist uses <i>Chrysopsis flexuosa</i> Nash. USDA uses <i>Heterotheca flexuosa</i> (Nash) Harms. [See Taylor, 186; Bell and Taylor, 260, for <i>P. graminifolia</i> .] endemic	Clewell, 320 Cronquist, 114 Small, 1341 Wunderlin, 642	Florida golden-aster bent golden-aster zigzag silkgrass	Compositae/ Asteraceae; daisy family tribe: Astereae.	perennial; fibrous-rooted; to 6/10 m tall, stem zigzag; stem and basal lvs about equal in shape and length; several heads, about 13 rays; sandy oak and pine woods; Franklin, Gadsden, Leon, Liberty and Wakulla cos.; Sep-Nov.
291. <i>Platanthera clavellata</i> (Michaux) Luer synonym: <i>Habenaria clavellata</i> Michaux ✱Chafin Newfoundland to Ontario and MN, south to FL and TX	Clewell, 187 Godfrey and Wooten I, 643-644, 647 ✱☉ Luer, 148-149 ✱☉ Radford <i>et al.</i> , 339 Small, 374, as <i>Gymnadeniopsis</i> Wunderlin, 240	green rein orchid little club-spur orchid small green wood orchid frog-spike green wood orchid	Orchidaceae; orchid family	terrestrial; to 35 cm tall; single leaf, to 15 cm long, keeled, attached at middle of stem; inflor. a terminal raceme; greenish fls rotated about 100° thus with lip perpendicular on one side and swollen nectary balancing on other, spurs usually clavate (may be cylindrical); spring banks, floodplain forests; Calhoun, Gadsden and (Santa Rosa) cos.; Jun-Aug.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
<p>292. <i>Platanthera integra</i> (Nutt.) A. Gray ex Beck synonym: <i>Habenaria integra</i></p> <p>☼☼Atlas NJ, DE south to FL and TX and north to TN</p>	<p>Clewell, 187 Godfrey and Wooten I, 640, 642☼☉ Luer, 144-145☼☼ Radford <i>et al.</i>, 337 Small, 373-374, as <i>Gymnadeniopsis</i> Wunderlin, 240-241</p>	<p>orange rein orchid yellow fringeless orchid frog-arrow</p>	<p>Orchidaceae; orchid family</p>	<p>terrestrial; to 60 cm tall; lvs sheath the stem, largest lowest, others reduced to become bracts; inflor terminal raceme with 40 to 60 flrs; flrs saffron yellow, lip not fringed (merely crenulate), nor 3-parted; swampy meadows, boggy depressions in wet woods; Calhoun, Duval, Escambia, Franklin, Gulf, Highlands, Jackson, Liberty, Nassau, Okaloosa, Orange, Osceola, Santa Rosa, Wakulla, Walton and Washington cos.; Jul-Sep.</p>
<p>293. <i>Pleopeltis astrolepis</i> (Liebm.) E. Fourn.</p> <p>FL, West Indies, Mexico, Central and South America</p>	<p>FNA, 325 Ward, 49-50, as <i>P. revoluta</i>☼☉ Wunderlin, 46-47, as <i>P. revoluta</i> First found in FL 1977</p>	<p>star-scale fern star-scale polypody</p>	<p>Pteridophyta-- Polypodiaceae; polypody family</p>	<p>epiphytic fern; lv blades simple, to 20 cm long and 2 cm wide, weakly hygrosopic; lower surface scales scattered, less than 0.5 mm wide, deeply fringed and appear stellate; sori oval in single row on each side of midrib; in swamps on pond apple; Broward (and Palm Beach) cos. (extirpated?)</p>
<p>294. <i>Pleurothallis gelida</i> Lindl.</p> <p>☼☼Chafin FL, West Indies, Mexico, Central and South America</p>	<p>Luer, 184-185☼☼ Small, 389 Wunderlin, 241</p>	<p>frosted orchid flor de llanten</p>	<p>Orchidaceae; orchid family</p>	<p>epiphyte; lv single, to 20 cm long, leathery, bright green, keeled; inflor a slender raceme with 5 to 25 flrs; flrs on down-arching pedicels, yellowish, coated with whitish pubescence (=frosted); on pop-ash, custard-apple and cypress in swamp hammocks; Collier and Lee cos.; Dec-Apr.</p>
<p>295. <i>Podophyllum peltatum</i> L.</p> <p>☼☼Atlas Quebec to MN, south to TX and FL</p>	<p>Clewell, 253 Radford <i>et al.</i>, 470-471☼☉ Small, 544 Ward, 153 Wunderlin, 303</p>	<p>mayapple mandrake ground lemon umbrella-leaf</p>	<p>Berberidaceae; barberry family Podophyllaceae; mayapple family</p>	<p>herbaceous rhizomatous perennial; one lf when young, 2 lvs when older, peltate, orbicular, deeply lobed, to 34 cm broad; single flr to 5 cm wide, nodding, 6 sepals, 6-9 white petals; berry yellow, edible pulp, poisonous seeds and lvs; hammocks and bluffs; Jackson Co.; Mar-Apr.</p>
<p>296. <i>Poinsettia pinetorum</i> Small Kartesz: <i>Euphorbia pinetorum</i> (Small) G. L. Webster [See Taylor, 207-298; Bell and Taylor, 105-106, for other <i>Poinsettia</i> spp.] FL, West Indies</p>	<p>Long and Lakela, 545 Small, 803 Wunderlin, 406-407</p>	<p>Everglades poinsettia pineland spurge</p>	<p>Euphorbiaceae; spurge family</p>	<p>herb; to 1 m tall; lvs alternate, linear, less than 6 mm wide; upper blades red blotched near the base; sandy marshes, pine rocklands; Dade, Monroe and Palm Beach cos.</p>
<p>297. <i>Polygala lewtonii</i> Small Federal Register, 18 March 1993</p> <p>☼☼Chafin; Taylor, p. 254 endemic</p>	<p>Small, 770 Ward, 50-51 Wunderlin, 388-390</p>	<p>Lewton's polygala</p>	<p>Polygalaceae; milkwort family</p>	<p>perennial; up to 20 cm tall; lvs small; flrs of two kinds: <u>normal</u> up to 4 mm long, with 2 wing-like petaloid sepals purplish, pinkish-purple corolla s lower petal fringed and <u>cleistogamous</u> tiny, non-opening ones at the base of the plant; white sand, scrub vegetation; on Central Florida Ridge, Highlands, Lake, Marion, Orange, Osceola and Polk cos.; Feb-May.</p>

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
298. <i>Polygala smallii</i> R.R.Sm. and Ward Endangered Species Act 1973; Federal Register, 18 July 1985 ✪☞Chafin endemic	Small, 773-773, as <i>P. arenicola</i> Ward, 51-52☞ Wunderlin, 388-391	tiny polygala	Polygalaceae; milkwort family	biennial; up to 4 cm tall; rosette of entire, spatulate lvs; flrs are grouped together in dense cluster, flrs are green to yellowish green (dry same color); lower petal is fringed; seed are 1.9-2.3 mm long; sandy pockets in pine rocklands, <i>Ceratiola</i> scrub, sandhills; Broward, Dade, Martin, Palm Beach and St. Lucie cos.; Mar-May.
299. <i>Polygonella basiramia</i> (Small) Nesom and Bates Federal Register, 21 Jan 1987 synonym: <i>Polygonella ciliata</i> Meisn. var. <i>basiramia</i> (Small) Horton. ✪☞Chafin; Taylor, p. 43 endemic	Small, 451 Wunderlin, 271	wireweed purple wireweed Florida jointweed	Polygonaceae; buckwheat family	annual or short-lived perennial; branches to form a cluster of 7 to 30 stems to 8/10 m tall; hairlike lvs; tips of branches with clusters of small white flrs; white sand in sand pine and rosemary scrub of Lake Wales Ridge and Avon Park AF Range; Highlands and Polk cos.; Sep-Oct.
300. <i>Polygonella myriophylla</i> (Small) Horton Federal Register, 27 April 1993 ✪☞Atlas; Chafin endemic	Small, 450 Wunderlin, 271-272	sand lace woody wireweed Small's jointweed	Polygonaceae; buckwheat family	shrub, much branched; prostrate; lvs persistent; stigma and style 0.5-0.8 mm long; scrub; Highlands, Orange, Osceola and Polk cos.; Apr-Nov.
301. <i>Polygonum meisnerianum</i> Cham. and Schlecht. Fl specimens belong to var. <i>beyrichianum</i> (C. and S.) Meisn. FL, SC, LA, West Indies, Mexico, Central and South America	Clewell, 456 Godfrey and Wooten II, 76, 78☞ Ward, 153-154☞ Wunderlin, 273-274	Mexican tear-thumb branched tear-thumb	Polygonaceae; buckwheat family	herbaceous perennial; about ½ m tall, but reclines and roots, stem with ribs bearing hooks or barbs which will rip; lvs alternate, with eared, sessile bases, flrs white or pinkish; floodplain forest, shallow water at edge of lakes; Alachua, Jefferson and Leon cos.; Jun-Oct.
302. <i>Polymnia laevigata</i> Beadle ✪☞Atlas TN, MO, AL, GA, FL	Clewell, 321 Cronquist, 75-76 Small, 1407 Wunderlin, 643	Tennessee leaf-cup	Compositae/ Asteraceae; daisy family tribe: Helianthae.	perennial herb; stem glabrous; lvs opposite, to 30 cm long; single series of involucre bracts; disks to 13 mm wide; achenes 4-6 ribbed and angled; calcareous hammocks; Jackson Co.; May.
303. <i>Polypodium dispersum</i> A.M. Evans [In 1998 Rule, listed as: <i>Pecluma dispersa</i> (A.M. Evans) M.G. Price] ✪☞Chafin FL, West Indies, Mexico, Central and South America to Brazil	FNA, 314-315, as <i>Pecluma</i> Long and Lakela, 80-82 Wunderlin, 46, as <i>Pecluma</i>	widespread polypody	Pteridophyta Polypodiaceae; polypody family	fern; epiphytic or on rocks; short-creeping stems; petiole scales deltoid to linear; lvs to 70 cm long, without peltate scales, narrowly ovate, pectinate, segments at base of blade abruptly reduced and reflexed; sori round or oval, sporangia with 32 spores; hammocks; Alachua, Brevard, Citrus, Dade (extirpated?) Hernando, Hillsborough, Marion, Martin, Monroe [incl. Keys] (extirpated?), Pasco, Sumter and Volusia cos.; spores all year.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
<p>304. <i>Polypodium plumula</i> Humb. and Bonpl. ex Willd. [In 1998 Rule, listed as <i>Pecluma plumula</i> (Kunth) M.G. Price]</p> <p>FL, West Indies, Mexico, Central and South America to Brazil</p>	<p>FNA, 314, as <i>Pecluma</i> Long and Lakela, 80 Small: fern, 73-75☼☉ Wunderlin, 46, as <i>Pecluma</i></p>	<p>plume polypody</p>	<p>Pteridophyta Polypodiaceae; polypody family</p>	<p>fern; epiphytic or on rocks; short-creeping stems; petiole scales ovate to cordate, inflated; lvs to 50 cm long, lacks peltate scales, linear-elliptic, segments linear, segments at base of blade abruptly reduced, but not deflexed; sori round, sporangia with 54 spored; hammocks; Brevard, Citrus, Dade, (DeSoto), Duval, Flagler, Hardee, Hernando, Hillsborough, Lake, Marion, Martin, Monroe [not Keys], Orange, Pasco, Polk, Seminole, St. Johns, Sumter and Volusia cos.; spores all year.</p>
<p>305. <i>Polypodium ptilodon</i> Kunze [In 1998 Rule, listed as <i>Pecluma ptilodon</i> (Kunze) M.G. Price]</p> <p>US ones: <i>P. ptilodon</i> var. <i>caespitosum</i> (Jenman) Lellinger synonym: <i>Polypodium pectinatum</i> L.</p> <p>FL, West Indies, Mexico, Central America</p>	<p>FNA, 314 Long and Lakela, 80 Small: ferns, 75-77☼☉ Wunderlin, 46</p>	<p>swamp plume polypody</p>	<p>Pteridophyta-- Polypodiaceae; polypody family</p>	<p>fern; epiphytic or on rocks; short-creeping stems; petiole scales threadlike to absent; lvs to 90 cm long, without peltate scales, lanceolate, segments lanceolate, segments at base of blade reduced to "ears"; sori with dense hairs around them, sporangia with 64 spores; hammocks, swamps; Brevard, Broward, Citrus, Collier, Dade, Duval, Hardee, Hernando, High lands, Hillsborough, Lake, Manatee, Marion, Martin, Orange, Osceola, Pasco, Pinellas, Polk, Putnam, Seminole, Sumter and Volusia cos.; spores all year.</p>
<p>306. <i>Polyrrhiza lindenii</i> (Lindl.) Cogn. in Urban [In the 1998 rule, listed as <i>Polyradicion lindenii</i> (Lindl.) Garay]</p> <p>FL, West Indies</p>	<p>Long and Lakela, 328 Luer, 277-279☼☉ Small, 398-399 Wunderlin, 241, as <i>Polyradicion</i></p>	<p>ghost orchid palm Polly white butterfly orchid albino frog orchid</p>	<p>Orchidaceae; orchid family</p>	<p>epiphyte; nearly stemless; leafless; roots extensive, with chlorophyll; flrs white with two long "tails"; on shrubs and trees in maritime hammocks, river swamps and wet forests; Collier, Dade (extirpated?), Hendry, Lee, and Monroe [not Keys] cos.; May-Sep.</p>
<p>307. <i>Polystachya concreta</i> (Jacq.) Garay and Sweet synonyms: <i>P. flavescens</i> (Lindl.) J.J. Smith; <i>P. luteola</i> (Sw.) Hook.</p> <p>FL, West Indies, Mexico, Central and South America, Africa, Asia</p>	<p>Correll and Correll, 386-387☼☉ Long and Lakela, 328, as <i>P. extinctoria</i> Luer, 221-223☼☉ Small, 393, as <i>P. minuta</i> Wunderlin, 241</p>	<p>pale-flowered polystachya greater yellowspike orchid</p>	<p>Orchidaceae; orchid family</p>	<p>epiphyte; to 56 cm tall; lvs sheathed, keeled, to 32 cm long and 3 cm wide, white margins; inflor terminal, branched, to 60 flrs; flrs not resupinate, glossy, yellow to greenish-yellow, appear hooded due to the curved lateral sepals; strand swamps; Broward, Collier, Dade, DeSoto, Hardee, Highlands, Lee, Martin and Monroe [Keys only] cos.; all year.</p>
<p>308. <i>Ponthieva brittoniae</i> Ames synonym: <i>Ponthieva racemosa</i> (Walter) Mohr var. <i>brittoniae</i> (Ames) Luer</p> <p>FL, West Indies</p>	<p>Correll and Correll, 388-390☼☉ Long and Lakela, 314 Luer, 82, 87☼☉ Small, 380 Wunderlin, 242</p>	<p>Mrs. Britton's shadow- witch orchid Britton's shadowwitch</p>	<p>Orchidaceae; orchid family</p>	<p>terrestrial; to 30 cm tall; lvs in basal rosette, 3 to 5, to 8 cm long and 3 cm wide, not present when flowering; inflor a terminal raceme with up to 20 flrs; flrs not resupinate, greenish-white, petals longer than wide, (lacks the green veining of <i>P. racemosa</i>), lateral sepals cocked acutely upwards ("hands-over-head effect"); pine rocklands; Collier, Dade and Sarasota cos.; Dec-Feb.</p>

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
316. <i>Rhipsalis baccifera</i> (J. Miller) Stearn ✿Chafin FL, West Indies, Mexico, Central and South America, tropical Africa, Sri Lanka	Long and Lakela, 627 Small, 913 Wunderlin, 448	mistletoe cactus pencil cactus	Cactaceae; cactus family	epiphytes; stems round, forms dense masses 1 m or more long; fleshy, pale green; flrs solitary, white; frts white or pink; on mangroves and button wood in tidal swamps; Dade, Monroe [not Keys] (extirpated?), Seminole (escaped) cos.
317. <i>Rhododendron alabamense</i> Rehder (Hybridizes with <i>R. canescens</i>) ✿Atlas, Chafin TN, AL, GA, FL	Clewell, 531 Godfrey, 260-262✿ Small, 996 Wunderlin, 478	Alabama azalea	Ericaceae; heath family	shrub, stoloniferous, to 4 m tall; lvs emerge before flrs, lvs not lepidote; flrs white with yellow blotch, lemon scented, narrow tube, calyx with sticky glands; stamens 5; hammocks; Jefferson and Leon cos. Apr.
318. <i>Rhododendron austrinum</i> (Small) Rehder ✿Atlas; Chafin; DPI poster, plate #34 Taylor, p. 307 GA, AL, FL	Clewell, 351 Godfrey, 262-264✿ Small, 995 Ward, 106-107✿ Wunderlin, 478	Florida flame azalea orange azalea	Ericaceae; heath family	shrub, not stoloniferous; lvs emerge after the flrs, lvs with soft hairs beneath; flrs yellow to orange, red, or orange-red, fragrant, tube glandular; 5 stamens; winter buds hairy; forested bluffs, hammocks, floodplains; Baker, Calhoun, Escambia, Franklin, Gadsden, Holmes, Jackson, Liberty, Okaloosa, Santa Rosa, Walton and Washington cos.; Mar-Apr.
319. <i>Rhododendron chapmanii</i> Gray Federal Register, 24 Apr 1979 Godfrey and Wunderlin use <i>R. minus</i> (Michaux) var. <i>chapmanii</i> (Gray) Duncan and Pullen. ✿Atlas; Bell and Taylor, p. 85; Chafin; DPI poster, plate #24 endemic	Clewell, 351 Godfrey, 265-267✿ Godfrey and Wooten II, 473 Small, 998 Ward, 57-58✿ Wunderlin, 478	Chapman's rhododendron rose-bay	Ericaceae; heath family	shrub, evergreen; to 2 m tall; lvs oval, entire margins, scurfy-dotted; flrs in terminal clusters, rose pink, ca. 3 cm long; 10 stamens; pine flatwoods and borders of tidal swamps; Clay, Gadsden, Franklin, Gulf, Leon and Liberty cos.; Mar-Apr.
320. <i>Rhus michauxii</i> Sargent Federal Register, 28 Sept 1989 [probably not extant in FL] [See Taylor, 149; Bell and Taylor, 131, for <i>R. copallina</i> .] NC, SC, GA, ?FL	Radford <i>et al.</i> , 678 Recovery Plan (1993) Wunderlin, 410	Michaux's sumac false poison sumac	Anacardiaceae; cashew family	shrub; rhizomatous, to 1 m tall; entire plant densely pubescent; lvs cpd, 9 to 13 sessile leaflets which are evenly serrate; flrs greenish-yellow in terminal cluster, dioecious plants; frts red; sandy or rocky open woods on acidic soils; Alachua Co.; June; frts Aug-Sep. Extirpated?
321. <i>Rhynchosia swartzii</i> (Vail) Urban ✿Chafin FL, West Indies, Mexico	Correll and Correll 686 Isely, 105 Long and Lakela, 473-474 Small, 713, as <i>Dolicholus</i> Wunderlin, 370	Swartz snoutbean bonaney-bean	Leguminosae/ Fabaceae; legume family Papilionoideae; pea subfamily	woody vine, twining; lvs trifoliate, leaflets to 6 cm long, terminal one largest; racemes shorter than petioles (to 2 cm); calyx to 3 mm long; corolla yellow, standard 8 mm long, resin dotted; legume curved, to 3 cm long, 7 mm wide; seeds bright red; hammocks; Dade and Monroe [Keys only] cos.
322. <i>Rhynchospora crinipes</i> Gale [See Taylor, 28-29, for other <i>Rhynchospora</i> spp.] FL and AL	Rhodora 46:132, 173-174 Godfrey and Wooten I, 385, includes in <i>R. filifolia</i> Wunderlin, 172	hairy peduncled beakrush mosquito beaksedge Alabama beakrush	Cyperaceae; sedge family	herb, clumped, languid habit; basal lvs 2 mm wide; stems to 7.5 cm tall; differs from <i>R. filifolia</i> by the achene stipe (stalk): 0.6 mm long, persistent, clothed with tan gle of white, ascending hairs; roadsides, ditches, pond borders; Bay, Gulf, Liberty, Okaloosa and Santa Rosa cos.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
<p>323. <i>Ribes echinellum</i> (Coville) Rehder Federal Register, threatened, 18 July 1985</p> <p>☆ Atlas; Chafin FL and McComick Co., SC</p>	<p>Clewell, 481 Godfrey, 649-650☆ Radford <i>et al.</i>, 520-521☆ Small, 603 Ward, 58-59☆ Wunderlin, 324</p>	<p>Miccostukee gooseberry Florida gooseberry South Carolina gooseberry McCormick gooseberry</p>	<p>Grossulariaceae; currant family Or, Saxifragaceae; saxifrage family</p>	<p>shrub; branches root at tips; stem with sharp spines about 1 cm long, lvs with lobes (like a sugar-maple), with long petiole, lvs shed in summer, emerge in fall and overwinter; flrs single in lf axils, with long stalks: stamens 1 cm longer than petals; long hairs on floral tube become spines in fruits; Gadsden and Jefferson (on shore of Lake Miccosukee) cos.; Mar.</p>
<p>324. <i>Roystonea elata</i> (Bartram) F. Harper Zona (1997): <i>R. regia</i> (Kunth) O.F. Cook [See Taxon 45:671-681], Harvard Papers in Botany Vol 2 (1): 71-107.</p> <p>☆ Bell and Taylor, p. 43; Chafin; DPI poster, plate #4; Scurlock, p. 14 endemic</p>	<p>Long and Lakela, 242 Small, 238 Ward, 155-156 Wunderlin, 181, as <i>R. regia</i></p>	<p>Florida royal palm</p>	<p>Palmae/ Arecaceae; palm family</p>	<p>tree; columnar trunk to 40 m tall, with bright green column at top composed of sheathing lf bases (only sheath of oldest leaf is visible, since it encircles the others); lvs feather-like, to 9 m long, recurved crosswise; cultivated; rockland hammocks, shell middens, strand swamp; Collier, Dade, (Monroe) and Palm Beach cos.</p>
<p>325. <i>Rudbeckia nitida</i> Nuttall [var. <i>nitida</i>]</p> <p>☆ Atlas; Chafin FL to TX</p>	<p>Clewell, 323 Cronquist, 27 Godfrey and Wooten II, 756 Wunderlin, 645-646</p>	<p>St John's Susan shiny coneflower</p>	<p>Compositae/ Asteraceae; daisy family tribe: Helianthaceae.</p>	<p>perennial, fibrous-roots, to 1.3 m tall; stems and lvs hairless; lvs unlobed, midstem lvs 8-15 cm long, veins conspicuous; discs florets light reddish-brown, rays yellow, drooping, about 2.5 cm long; moist flatwoods, prairies, roadside ditches; Baker, Bay, Clay, Gulf, Manatee, Marion and St. Johns cos.; May-Jul.</p>
<p>326. <i>Rudbeckia triloba</i> L. Ours are var. <i>pinnatifida</i> Torr. and A. Gray species: CT to MI, IO, NB s to FL and TX var. <i>pinnatifida</i>: NC, FL</p>	<p>Clewell, 323 Cronquist, 25-26 Radford <i>et al.</i>, 1108-1109 Small, 1426, as <i>R. pinnatifida</i> Wunderlin, 646</p>	<p>browneyed Susan</p>	<p>Compositae/ Asteraceae; daisy family tribe: Helianthaceae.</p>	<p>short lived perennial, to 1.5 m tall; stems and lvs hairy; some lvs divided almost to the midrib, to 5 cm long; discs florets darkpurple, disk hemispheric or ovoid, 1-1.5 cm wide; rays yellow but may be orange toward base, 1-2 cm long (rarely to 2.5); disturbed sites with calcareous soil; Jackson and Levy cos.; May-Sept.</p>
<p>327. <i>Ruellia noctiflora</i> (Nees) A. Gray</p> <p>☆ Atlas; Chafin FL, GA to MS</p>	<p>Clewell, 239 Godfrey and Wooten II, 708 Small, 1229 Ward, 107-108 Wunderlin, 571-572</p>	<p>night-flowering ruellia night-blooming wild- petunia</p>	<p>Acanthaceae; acanthus family</p>	<p>herb; to 30 cm tall; hairy; lvs to 7 cm long; corolla blue or white, to 8 cm long; capsule to 22 mm long; wet flatwoods, seepage slopes; Clay, Duval, Franklin, Gulf, Jackson, (Lee), Liberty, Nassau, St. Johns and Wakulla cos.; May-Aug.</p>
<p>328. <i>Salix eriocephala</i> Michaux mostly a northern species, it is disjunct in S GA, S AL and FL AL, GA, FL</p> <p>☆ Atlas</p>	<p>Argus, 128-134 Clewell, 477, as <i>S. rigida</i> Godfrey, 624-625☆ Small, 414, as <i>Salix cordata</i> Wunderlin, 252</p>	<p>heart-leaved willow</p>	<p>Salicaceae; willow family</p>	<p>shrub; to 6 m tall; branches reddish brown; lvs up to 13 cm X 3.6 cm, base heart-shaped, tips acute; river and stream banks, marshy fields and mixed wet woods; Gadsden, Jackson and Leon cos.; Mar-Apr.</p>

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
335. <i>Schizachyrium niveum</i> (Swallen) Gould ☼☼Chafin endemic	Hall, 437 Hitchcock, 753, as <i>Andropogon niveus</i> Wunderlin, 130	scrub bluestem	Gramineae/ Poaceae; grass family	herb, to 65 cm tall, in tufts, slender rhizomes; lf sheaths keeled, glabrous, lf blades to 9 cm long and 3.7 mm wide, flat, but tightly enclosing the peduncle; raceme to 4 cm long, joints very hairy, 5-6 pairs of spikelets; 1 st glume glabrous, sessile spikelet to 5.5 cm long and 6 mm wide; rosemary scrub; Highlands, Indian River, Osceola and Polk cos.; fall.
336. <i>Schizachyrium sericatum</i> (Swallen) Gould endemic	Hall, 439 Hitchcock and Chase, 753 Wunderlin, 130-131	silky bluestem	Gramineae/ Poaceae; grass family	herb, to 80 cm tall, densely tufted; lf sheaths glabrous, lf blades folded, to 40 cm long and 4 mm wide; inflor densely branched, spathes inconspicuous; 1 st glume 2-keeled, ca. 12 spikelet pairs, sessile spikelet 5 mm long; oolitic soil of Monroe Co. [Keys only].
337. <i>Schizaea germanii</i> (Fée) Prantl FNA uses <i>Actinostachys pennula</i> (Sw.) Hook.; Small uses <i>A. germani</i> Fee; Atlas uses <i>S. pennula</i> Sw. ☼☼Chafin FL, West Indies, Central and South America	FNA, 113 Lakela and Long, 47, 49☼☼ Long and Lakela, 74 Small: ferns, 331-333☼☼ Ward, 159-160 Wunderlin, 38, as FNA	ray fern tropical curly-grass	Pteridophyta-- Schizaeaceae; curly-grass family	fern; bristly hairy rhizome; lvs grass-like, few, tufted, to 12 cm tall; sporangia naked under reflexed margin; low hammocks; Dade (extirpated?), Palm Beach and Pinellas (extirpated?) cos.
338. <i>Schwalbea americana</i> L. Federal Register, 29 Sept 1992 ☼☼Chafin FL to LA and SC, AL to TN	Clewell, 490 Godfrey and Wooten II, 669-670 Radford <i>et al.</i> , 961-962☼☼ Small, 1223 Wunderlin, 557	chaff seed	Scrophulariaceae; figwort family	perennial; to 6/10 m tall; lvs alternate, sessile, entire; flrs solitary in axils of green lvs, at end of stem, flrs 2-lipped, yellow or purplish; anther sacs not spurred; savannahs and pinelands; Brevard, Duval, Gadsden (extirpated?), Highlands, (Hillsborough), (Leon), Levy, Manatee, Polk, Putnam and Volusia cos.; May-Jun.
339. <i>Scleria lithosperma</i> (L.) Sw. FL, West Indies, South America and Old World tropics	Correll and Correll, 244, 246-247☼☼ Godfrey and Wooten I, 405, 497-408☼☼ Long and Lakela, 235-236 Small, 191 Wunderlin, 178	Keys nutrush slender nutrush	Cyperaceae; sedge family	perennial herb, nodulose rootstock, tufts; lf sheaths overlapping, lowest lvs with no blades, blades 1-3 mm wide, enrolled; panicle lax, bracts longer than spikelets, each cluster with 2-4 spikelets; achene without basal disc but with 3 small depressions at base, surface smooth, glossy, white, 3-angled, 2-2.5 mm long; pine rockland hammocks; Dade and Monroe [Keys only] cos.
340. <i>Scutellaria floridana</i> Chapman Federal Register, threatened: 8 May 1992 ☼☼Chafin endemic	Clewell, 387 Small, 1152 Wunderlin, 536-537	Florida skullcap	Labiatae/ Lamiaceae; mint family	herb; lvs entire, linear, 1-2 mm wide, base wedge-shaped; corolla 12-25 mm long, pubescent; wet flatwoods, grassy openings; Franklin, Gulf and Liberty cos.; Jun-Aug.
341. <i>Scutellaria havanensis</i> Jacq. FL, West Indies	Correll and Correll, 1269-1270☼☼ Long and Lakela, 745 Small, 1150-1151 Wunderlin, 536-537	Havana skullcap Cuban skullcap	Labiatae/ Lamiaceae; mint family	herb, to 30 cm tall, pubescent; lvs opposite, ovate or orbicular-ovate, to 1.5 cm long, toothed or entire margins; flrs solitary in axils, calyx to 1.5 mm long, crest or bump on its back; corolla dark blue, tubular, to 1.5 cm long; fruiting calyx 3 mm long, 4 nutlets; pinelands; Dade and Monroe [Keys only] cos.; all year.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
342. <i>Selaginella eatonii</i> Hieron. ex Small Atlas: <i>S. armata</i> Baker var. <i>eatonii</i> (Hieron. ex Small) B. F. Hansen and Wunderlin	Correll and Correll, 2, 4☉ FNA, 62 Small: ferns, 422-423, as <i>Diplostachyum eatonii</i> ☉ Wunderlin, 34-35	Eaton's spike-moss	Pteridophyta-- Selaginellaceae; spike-moss family	fern ally; prostrate, matted, stems to 4 cm long; lvs papery, iridescent, in 2 planes: lower lvs to 1.5 mm long, spreading, with obtuse to abruptly acute tips; upper (=median) lvs to 1.2 mm long, serrate, and with acuminate tips bristly for 1/3 length of lv; strobili solitary; sink holes in pine rocklands; Dade and (Monroe) cos.
☉☉Chafin FL, West Indies				
343. <i>Setaria chapmanii</i> (Vasey) Pilger Kartesz uses <i>Setaria chapmanii</i> Wunderlin uses <i>Paspalidium chapmanii</i> Vasey Atlas: <i>Paspalidium chapmanii</i> (Vasey) Davidse and R. Pohl	Correll and Correll, 157, as <i>Panicum</i> Hall, 267 Hitchcock and Chase, 636 Long and Lakela, 182 Small, 68 Wunderlin, 122	coral panic grass coral panicum	Gramineae/ Poaceae; grass family	perennial herb, to 1 m tall, tufted, knotted rhizomes; panicle branches extending beyond the last spikelet as a bristle; spikelets to 1.3 mm wide and 2.2 mm long; cleared areas, cultivated fields, shell mounds, hammocks, prairies and bay shores; Dade, Lee and Monroe [incl. Keys] cos
FL, West Indies				
344. <i>Silene polypetala</i> (Walter) Fern. and Schub. Federal Register, 18 Jan 1991	Clewell, 268 Small, 507, as <i>S. baldwynii</i> Wunderlin, 293-294	fringed catchfly fringed campion fringed pink eastern fringed catchfly	Caryophyllaceae; carnation family	perennial herb, spreads by rhizomes and offshoots; rosettes and lower stem lvs opposite, obovate, 3-9 cm long; flrs in groups of 3-5, petals 5, pink (rarely white), fringed at tips; rich bluffs of Apalachicola River; Gadsden and Jackson cos; Mar-May.
☉☉Chafin; DPI Botany circular # 26; DPI poster, plate #26 GA and FL				
345. <i>Silene virginica</i> L.	Radford <i>et al.</i> , 446, 447☉ Small, 507	fire pink	Caryophyllaceae; carnation family	perennial herb, to 75 cm tall; lvs basal and 2-4 pairs on stem; cymes; calyx glandular pubescent, to 2.5 cm long; petals 5, cleft, clawed to top of calyx, limb to 2.5 cm long, appendages to 3 mm long, crimson; rich or dry woods; Bay Co.; spring.
☉☉Atlas FL, GA, north to AR, MN, Ontario, NY and NJ				
346. <i>Sphenomeris clavata</i> (L.) Maxon FNA uses <i>Odontosoria clavata</i> (L.) J. Smith	FNA, 205 Lakela and Long, 63, 64☉☉ Long and Lakela, 91-92☉ Small: ferns, 317-318☉ Wunderlin, 47, as <i>Odontosoria</i>	wedgelet fern parsley fern	Pteridophyta-- Dennstaedtiaceae/ Polypodiaceae/ Pteridaceae; polypody, or maidenhair fern family	fern; stems creeping, with closely spaced lvs; lv blade oblong to 25 cm long, papery, segments to 1.5 cm long and 2 mm wide giving a parsley look; sori on tips of segments; limestone sinks in rock pinelands; Dade and Monroe [Keys only] cos; all year.
☉☉Atlas; Chafin FL, West Indies, Mexico				
347. <i>Sphenostigma coelestinum</i> (Bartram) Foster Kartesz: <i>Calydorea coelestina</i> (Bartr.) Goldblatt and Heinrich	Small, 326-327 Ward, 110-11 Wunderlin, 222, as <i>Calydorea caelestina</i>	Bartram's ixia	Iridaceae; iris family	perennial from a bulb-like corm; 1-3 basal lvs (rarely 4), up to 30 cm long and 4 mm wide, 1 or 2 stem lvs; 1 or 2 flrs, blue to violet with a white "eye", 5 cm wide, 3 petals and 3 petal like sepals; stigma and style trumpet-shaped; wet flatwoods, wet prairies; Baker, Bradford, Clay, Duval, Putnam, St. Johns and Union cos.; Apr-Jun.
☉☉Atlas; Chafin; DPI, Botany circular # 25; DPI poster, plate #56 endemic				

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
348. <i>Spigelia gentianoides</i> Chapman Federal Register, 26 Nov 1990 ☼☼Chafin GA, AL, FL	Clewell, 424 Small, 1046 Wunderlin, 491	gentian pinkroot	Strychnaceae; strychnine family Loganiaceae; logania family	perennial herb; single stem to 30 cm tall; lvs opposite and sessile; flrs in spike-like group, point upwards, corollas tubular, pale pink; stamens inside flr; oak-pine woods, rich humus; Calhoun, Jackson and Washington cos. (Historically in Liberty and Gadsden cos., now extirpated?) misidentified from Levy Co.; May-Jul.
349. <i>Spigelia loganioides</i> (Torrey and A. Gray) DC. synonym: <i>Coelostylis loganioides</i> Torrey and A. Gray. ☼☼Atlas endemic	Godfrey and Wooten II, 516 Small, 1045 Ward, 160-161 Wunderlin, 491	Levy pinkroot	Strychnaceae; strychnine family Loganiaceae; logania family	annual; to 30 cm tall; flrs in forks of leafy branches or in lf axils, style jointed near the middle; swamps and wet woods; Citrus; Levy, Marion and Sumter cos.; Apr-Jun.
350. <i>Spiranthes adnata</i> (Sw.) Benth. ex Faucett synonym: <i>Pelexia adnata</i> (Sw.) Spreng. FL, West Indies, Mexico, Central and South America	Correll and Correll, 383, 384☼☼ Wunderlin, 240, as <i>Pelexia</i>	pelexia hachueta	Orchidaceae; orchid family	terrestrial; to 38 cm tall; roots thick, fleshy; lvs basal, to 20 cm long and 8 mm wide, petioled; inflor up to 15 flrs; flrs with greenish sepals, greenish-white petals, lip spur fused to the ovary (=adnate); rockland hammocks; Dade Co. (extirpated?); Dec-Jul.
351. <i>Spiranthes brevilabris</i> Lindl. synonym: <i>S. gracilis</i> (Bigelow) Beck var. <i>brevilabris</i> (Lindl.) Correll ☼☼Atlas lower coast TX to NC and FL	Clewell, 188 as <i>S. gracilis</i> Godfrey and Wooten I, as <i>S. gracilis</i> var. 665-666☼☼ Luer, 102-104☼☼ Small, 381, as <i>Ibidium</i> Wunderlin, 243-244	small ladies'-tresses Florida ladies'-tresses slender ladies'-tresses short-lip ladies'-tresses Texas ladies-tresses	Orchidaceae; orchid family	terrestrial; to 40 cm tall; lvs 3 to 4, basal; inflor slender, to 35 flrs in single rank, spiraled; flrs glabrous, creamy-yellowish, lip with yellowish center; pine flatwoods; Alachua, Citrus, Duval, Lee, Levy, Madison, Orange, Polk and Volusia cos; Feb-May.
352. <i>Spiranthes costaricensis</i> Reichenb. f. FL, Mexico, Central and South America	Luer, 114-115☼☼ Wunderlin, 243-244	Costa Rican ladies'-tresses	Orchidaceae; orchid family	terrestrial; to 30 cm tall; lvs 4 or 5 in basal rosette; inflor slender, loosely arranged flrs, 10-35 flrs; flrs white, marked with bright green stripes; edges of solution holes in rockland hammocks; Dade Co; Mar-Apr.
353. <i>Spiranthes elata</i> (Sw.) L. C. Rich. FL, West Indies, Mexico, Central and South America	Luer, 112-113☼☼ Small, 382-383, as <i>Cyclopogon</i> Wunderlin, 243-244	tall neottia	Orchidaceae; orchid family	terrestrial; to 50 cm tall; lvs 6 or 7 in basal rosette, petioled, to 15 cm long and 4 cm wide; inflor slender, on tall stalk, 10 to 30 flrs; flrs with greenish brown sepals and petal, pubescent, lip white, 6 mm long, with lobe as wide as the body of the lip; solution holes in rockland hammocks, hammocks; (Charlotte), (Collier), Dade (extirpated?), Hernando, (Monroe) and (Palm Beach) cos.; Mar.
354. <i>Spiranthes ovalis</i> Lindl. synonym: <i>Ibidium ovale</i> (Lindl.) House ☼☼ Bell and Taylor, p.36 VA to MO, south to FL, west to TX	Clewell, 188 Godfrey and Wooten I, 663-664☼☼ Luer, 106-107☼☼ Radford <i>et al.</i> , 346-347 Small, 382 Wunderlin, 243-245	lesser ladies'-tresses October ladies-tresses	Orchidaceae; orchid family	terrestrial; to 40 cm tall; lvs 2 or 3, basal, to 15 cm long and 15 mm wide; inflor spiraled in more than one rank, up to 50 flrs; flrs white; moist shady wood, thickets, swamp margins, palmetto swampland; Alachua, Columbia, Jackson, Levy, Marion, Sumter and Suwannee cos; Sep-Nov.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
355. <i>Spiranthes polyantha</i> Reichenb. f. ✠✠Chafin FL, West Indies, Mexico, Central America	Correll and Correll, 391-392✠☉ Luer, 116, 115✠☉ Wunderlin, 243-245	Ft. George ladies-tresses FL Keys ladiestresses gray ladiestresses	Orchidaceae; orchid family	terrestrial; annual with stout tuberous roots; lvs to 11 cm long; inflor 10 to 40 flrs, spiraled, loosely arranged; petals greenish-purple, or brown to greenish brown, lip without basal callosities; rockland hammocks; Citrus, Dade, Duval, Martin and Sarasota cos.; Feb-Mar.
356. <i>Spiranthes torta</i> (Thunb.) Garay and Sweet synonym: <i>S. tortilis</i> (Sw.) L. C. Rich. ✠✠Chafin FL, Bermuda, West Indies, Central America	Correll and Correll, 392-393 Luer, 99, 101✠☉ Wunderlin, 243-254	southern ladies'-tresses	Orchidaceae; orchid family	terrestrial; up to 50 cm tall; lvs 2 or 3, to 20 cm long and 5 mm wide, basal, not present at flowering; inflor up to 35 flrs, spiraled in single rank; flrs white with green throats; rockland pinelands, marl prairies; Dade and Monroe cos. Reports from northern counties are probably errors. Citrus, Collier and Palm Beach cos.; May-Jun.
357. <i>Stachydeoma graveolens</i> (Chapman) Small synonym: <i>Hedeoma graveolens</i> Chapm. ex A. Gray ✠✠Chafin endemic	Clewell, 382, as <i>Hedeoma</i> Godfrey, 407-409✠☉ Small, 1166 Wunderlin, 531, as <i>Hedeoma</i>	mock pennyroyal	Labiatae/ Lamiaceae; mint family	herbaceous to woody; lvs 5-20 cm long; 1-3 flrs per axils of lvs; lvs and bracts hiding the flr stalks; calyx 4-6 mm long; 2 fertile stamens; corollas nearly white, lower lip with a central mottled purple band and purple lobes; sandhills, wet flatwoods, pond margins; Bay, Calhoun, Franklin, Gulf, Leon, Liberty and Wakulla cos.; May-Oct.
358. <i>Stachys crenata</i> Raf. [See Taylor, 231; Bell and Taylor, 242, for <i>S. floridana</i> .] ? endemic	Clewell, 388 Godfrey and Wooten II, 623 Wunderlin, 538	shade betony Crtetan hedgenettle	Labiatae/ Lamiaceae; mint family	annual; lvs ovate, long petiolate, 2-4 cm long; corollas purplish; calyx 2-4 mm long; openings in calc areous wet woods; Gadsden Co; May.
359. <i>Stachys tenuifolia</i> Willd. Atlas: <i>S. tenuifolia</i> Willd. var. <i>perlonga</i> Fern. ✠✠Atlas NY to MI, MN, south to SC, TX and FL	Gleason and Cronquist, 454 Godfrey and Wooten II, 621, 622✠☉ Radford <i>et al.</i> , 911 Small, 1161 Wunderlin, 538	shade betony smooth hedgenettle	Labiatae/ Lamiaceae; mint family	annual; to 1 m tall; mostly without hairs; lvs elliptic, 3-10 cm long, toothed; corollas 10-12 mm long; roadside, fields, moist thickets; Gadsden and Leon cos.; summer.
360. <i>Staphylea trifolia</i> L. ✠✠Atlas Que to MN, south to GA, FL, AL, MS, OK	Clewell, 495 Godfrey, 656, 657✠☉ Godfrey and Wooten II, 309-310✠☉ Radford, 686-687✠☉ Small, 821 Ward, 59-60 Wunderlin, 415	bladder-nut bladdernut American bladdernut	Staphyleaceae; bladdernut family	shrub to 5 m tall; stems striped; lvs opposite, trifoliate; flrs greenish-white; frts inflated, bladdery capsule, 3-lobed, 4 X 2.5 cm; upland mixed forest, bottomland forest, interface of bluff and floodplain; Liberty and Gadsden cos.; Mar-Apr.
361. <i>Stewartia malacodendron</i> L. ✠✠Atlas VA to FL, west to LA, AK	Clewell, 498 Godfrey, 670-673✠☉ Radford <i>et al.</i> , 708✠☉ Small, 876 Ward, 112-113✠☉ Wunderlin, 434	silky camellia	Theaceae; tea (or camellia) family	shrub; lvs alternate, deciduous, hairy underneath; flrs showy, solitary, axillary, 5 sepals, 5 white petals; filaments purple, anthers bluish; frt woody; acid soils, bluffs, steepheads, bayheads; Bay, Calhoun, Escambia, Gadsden, Leon, Liberty, Okaloosa, Santa Rosa, Walton and Washington cos.; Apr-May.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
362. <i>Strumpfia maritima</i> Jacq. ✠Atlas; Chafin; Scurlock, p. 157 FL, West Indies, Mexico	Correll and Correll, 1423-1424✠☉ Long and Lakela, 800 Small, 1260 Ward, 60-61 Wunderlin, 583	pride-of-Big-Pine	Rubiaceae; madder family	shrub, less than 1 m tall, profusely branched, branches appear segmented; lvs sessile, 1-2 cm long, margins curved under; flrs numerous, small, 5 petals; frts white drupes, 3-4 mm long; upper edge of shore of tidal swamps, pine rocklands, sand ridges; Keys [Monroe Co.]; all year.
363. <i>Stylisma abdita</i> Myint [See Taylor, 87-88; Bell and Taylor, 117, for other <i>Stylisma</i> spp.] endemic	Wunderlin, 512	hidden stylisma showy dawnflower	Convolvulaceae; morning-glory family	herbaceous vine; lvs to 2 cm long; corollas less than twice the length of the sepals, or the same length as the sepals; dry pinelands, scrub; Citrus, Clay, Collier, Highlands, Lee, Marion, Orange, Polk and Putnam cos.; spring-summer.
364. <i>Stylosanthes calcicola</i> Small [See Taylor, 138; Bell and Taylor, 168, for <i>S. hamata</i> .] FL, West Indies, Mexico, Central America	Correll and Correll, 691 Isely, 180 Long and Lakela, 489 Small, 730 Wunderlin, 374	Everglades pencil flower	Leguminosae/ Fabaceae; legume family Papilionoidae; pea subfamily	perennial herb, filiform wiry stems to 30 cm long; lvs pinnately trifoliate, fllets to 1 cm long, glabrous, but possible marginal cilia; corolla ca. 6 mm long; bean with one fertile loment segment, beak straight or slightly curved; pinelands and margins; Dade and Monroe [Keys only] cos.; all year.
365. <i>Taxus floridana</i> Nutt. ex Chapman ✠Chafin endemic	Clewell, 56 Godfrey, 56, 58-59✠☉ Small, 12 Ward, 113-114✠☉ Wunderlin, 64	Florida yew	Gymnospermae-- Taxaceae; yew family	tree, to 8 m tall; pleasant scent when bruised; lvs leathery, points not sharp to touch; [no flrs]; seed nut-like, surrounded by the pulpy red (poisonous) aril; hammocks and cypress swamps near Apalachicola River; Gadsden and Liberty cos.
366. <i>Tectaria fimbriata</i> (Willd.) Proctor and Lour. synonym: <i>T. lobata</i> (C. Presl) Morton FL, West Indies, Mexico	FNA, 304 Lakela and Long, 159 Long and Lakela, 103 Small: ferns, 206-207, as <i>T. minima</i> ✠☉ Wunderlin, 56-57	least halberd fern small halberd fern	Pteridophyta-- Dryopteraceae/ Polypodiaceae	fern; tiny; petiole equal to 3 times longer than blade, lvs deltoid or pentagonal, to 10 cm long and 7 cm wide, simple or with 1 to 2 pairs of segments; sori with peltate indusia; sinkholes ledges; (Citrus), Dade and Monroe cos.
367. <i>Tephrosia angustissima</i> Shuttlew. ex Chapm. 3 varieties: var. <i>curtissii</i> (Small ex Rydberg) Isely See Description Column var. <i>corallicola</i> (Small) Isely [Dade Co.] var. <i>angustissima</i> [extirpated?] ✠Chafin; Taylor, p. 222 FL, Cuba	Isely, 188 Small, 708 (includes <i>Cracca purpurea</i>) Wunderlin, 374-375	hoary pea devil's shoestring narrowleaf hoarypea	Leguminosae/ Fabaceae; legume family Papilionoideae; pea subfamily	perennial herb; stems either prostrate and mat forming or erect; fllets 11-15; corolla pea-like, rose-purple to pinkish or white, 7-11 mm long; styles not hairy; coastal strand, beach dunes, pine rockland, ruderal; var. <i>curtissii</i> : Brevard, Hendry, Hillsborough, (Indian River), Palm Beach, (St. Lucie) and Volusia cos. See Sci. Name column; May-Sep.
368. <i>Thalictrum cooleyi</i> H. E. Ahles Federal Register, 9 Mar 1989 ✠Chafin NC, GA, FL	Clewell, 463 Godfrey and Wooten, 131 Radford <i>et al.</i> , 460 Wunderlin, 301-302	Cooley's meadow-rue	Ranunculaceae; buttercup family	perennial herb; stems weak or robust, to 0.8 m tall; lower lvs petioled, upper sessile; lf-lets variable in shape, 5 to 10X longer than wide, glabrous, lower surfaces glaucous, margins revolute; separate ♀ and ♂ plants; no petals; sepals greenish; achenes sessile, to 6 mm long; savannas, bogs; Walton Co.; Jun.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
369. <i>Thalictrum thalictroides</i> (L.) Eames and Boivin synonym: <i>Anemonella thalictroides</i> (L.) Spach ✠✠Atlas; Bell and Taylor, p. 67 NH to MN and KS, south to FL, MS and AR	Clewell, 460 Radford <i>et al.</i> , 460-461✠✠ Small, 518 Ward, 4-5 Wunderlin, 301-302	rue anemone rue anemone windflower wind rue wild-rue	Ranunculaceae; buttercup family	delicate perennial herb, with tuberous roots (look like tiny dahlia tubers); lvs cpd; flrs in umbellate cluster; no petals; petaloid sepals 6, white or pinkish; moist woods, thickets; Gadsden and Leon cos.; Mar-Apr.
370. <i>Thelypteris grandis</i> A.R. Smith 4 varieties, but only <i>T. grandis</i> var. <i>grandis</i> is in US (also West Indies) FL, West Indies, Mexico, Central and South America	FNA, 214 Wunderlin, 49-50	stately maiden fern Collier County maiden fern	Pteridophyta-- Thelypteridaceae; marsh fern family	fern; lvs evergreen; petiole to 1.3 m, blade to 1.7 m tall, broadest at the base, tapered to the tip; segments to 45 cm long and 4.8 cm wide, cut 3/4 to 9/10 the width of the segment, segments curved, 2 to 4 basal segments reduced; upper surface of lvs lack gland, lower surface with a few scales on rachis, and hairs ca. 0.1 mm; strand swamps, on old logging roads; Collier Co.
371. <i>Thelypteris patens</i> (Sw.) Small ✠✠Atlas FL, West Indies, Mexico, Central and South America	FNA, 214 Lakela and Long, 140, 141✠✠ Long and Lakela, 101 Small: ferns, 243-246✠✠ Wunderlin, 49-51	grid-scale maiden fern	Pteridophyta-- Thelypteridaceae; marsh fern family	fern; erect crown of evergreen lvs from an erect rootstock; distinctive petiole scales basal, brown, ovate and covered with longitudinal rows of clear cells; petioles to 1 m tall; blades to 1 m tall, broadest at base, tapering; rockland hammocks; Dade Co.
372. <i>Thelypteris reptans</i> (J. F. Gmel.) C. V. Morton ✠✠Chafin FL, West Indies, Mexico, Central and South America	Correll and Correll 52 FNA, 218 Lakela and Long, 146-147, 149✠✠ Long and Lakela, 102 Small: ferns, 217-219, as <i>Goniopteris reptans</i> ✠✠ Wunderlin, 49-51	creeping star-hair fern walking wood fern creeping fern	Pteridophyta-- Thelypteridaceae; marsh fern family	fern: stems creeping; lvs evergreen; petiole to 25 cm long; blades to 30 cm long, reclining and rooting at tips; segments oblong, distant; upper surfaces with stellate hairs, lower surfaces with stellate, forked and needle-like hairs; sori round, naked; limestone rocks and grottoes, rockland hammocks, upland mixed forests; Alachua, Broward, Citrus, Collier, Dade, Hernando, Levy, Marion and (Suwannee) cos.
373. <i>Thelypteris reticulata</i> (L.) Proctor FL, West Indies, Mexico, Central and South America	FNA, 220 Lakela and Long, 145, 148✠✠ Long and Lakela, 102 Small: ferns, 214-215, as <i>Meniscium reticulatum</i> ✠✠ Wunderlin, 49-51	lattice-vein fern cypress fern	Pteridophyta-- Thelypteridaceae; marsh fern family	fern; epiphyte (mostly on cypress knees); lvs to 4 m tall; ca. 20 paired segments, to cm long and 6 cm wide, margins entire to wavy, veins arch to become lattice-like; sori on cross veins, naked; hammocks in cypress swamps, wet roadsides; Broward, Collier, Dade and Lee cos.
374. <i>Thelypteris sclerophylla</i> (Poepp. ex Spreng.) C. V. Morton FL, West Indies	FNA, 218 Lakela and Long, 145 Long and Lakela, 102 Wunderlin, 49-51	stiff star-hair fern	Pteridophyta-- Thelypteridaceae; marsh fern family	fern; lvs evergreen, clustered; petioles to 25 cm long; blade to 55 cm long and 10 cm wide; to 25 pairs segments, deeply cut to 3/4 of width, narrowed at apex to the divided terminal segment, harsh texture, both surfaces with stellate hairs; sori round, indusia tan; on limestone in rockland hammocks; Dade, (DeSoto), (Martin) and (Palm Beach) cos.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
375. <i>Thelypteris serrata</i> (Cav.) Alston ☞Chafin FL, West Indies, Mexico, Central and South America	FNA, 220 Lakela and Long, 145 Long and Lakela, 102 Small: ferns, 214, 216 as <i>Meniscium serratum</i> ☞ Wunderlin, 49-51	dentate lattice-vein fern	Pteridophyta-- Thelypteridaceae; marsh fern family	fern; similar to <i>T. reticulata</i> , differs by margins of segments being sharply serrate; pond-apple and pop-ash hammocks, guava groves, cypress slough and swamps; Dade, DeSoto, Hardee, Highlands, Hillsborough, Martin, Osceola, Palm Beach and Polk cos.
376. <i>Thrinax morrisii</i> H. Wendl. ☞Atlas; Scurlock, p. 162; Nelson, plate #10 FL, West Indies	Correll and Correll, 264, 263☞ Long and Lakela, 245 Small, 241, as <i>T.</i> <i>microcarpa</i> Sarg. Ward, 115 Wunderlin, 182	brittle thatch palm	Palmae/ Arecaceae; palm family	tree to 10 m tall; unarmed; differs from the Florida thatch palm (see below) by foliage color and flower characters: lvs bluish-green; leaf blade almost circular undulates like an "M"; petiole sheath with secondary splits; inflor cream-colored; frts sessile; pine rockland, hammocks; Dade and Monroe [incl. Keys] cos.
377. <i>Thrinax radiata</i> Lodd. ex J.A. and J.H. Schult. ☞Atlas; Nelson, plate #18; Scurlock, p. 163 FL, West Indies	Correll and Correll, 264 Long and Lakela, 245-247☞ Small, 241, as <i>T. parviflora</i> Ward, 114-115, as <i>T.</i> <i>floridana</i> Wunderlin, 182	Florida thatch palm	Palmae/ Arecaceae; palm family	single stem, 20" tall, slender, swollen at base, upper stem with leaf bases and fiber, ringed, gray; petiole 2-3" long, unarmed, sheath v-shaped base split only once; 12-20 lvs, palmate, 4-5" across, divided about halfway into 30-50 segments split at the tips, 2 1/2" long and 2" wide, green with yellow ribs, below yellowish-green; hastula prominent; fruit white, stalked; hammocks, coastal strand and shores; (Dade) and Monroe [Keys only] cos.
378. <i>Tillandsia fasciculata</i> Sw. 3 vars. note: endangered due to <i>Metamasius callizona</i> (Chervolat), a weevil whose larvae tunnel through the plant bases; see DPI's Entomology Circular 330. FL, West Indies, Mexico, Central and South America ☞Atlas; Bell and Taylor, p. 45; DPI poster, plate #62	Correll and Correll 280 Long and Lakela, 267 Small, 271 Wunderlin, 194-195	common wild-pine clustered wild-pine dog-drink-water quill-leaf	Bromeliaceae; pineapple family	epiphyte; large rosette of lvs; lvs gray-green, dilated leaf bases, brown banded at base, with long attenuated tips, leathery; flower stalks shorter or equal to lv length and covered with bracts; hammocks, cypress swamps, pinelands; Brevard, Broward, Charlotte, Collier, Dade DeSoto, Glades, Hardee, Hendry, Highlands, Hillsborough, Lee, Martin, Monroe, Okeechobee, Orange, Osceola, Palm Beach, Pinellas, Polk, Sarasota, Seminole and Volusia cos.; fall.
379. <i>Tillandsia pruinosa</i> Swartz ☞Bell and Taylor, p.45; Chafin FL, West Indies, tropical America	Long and Lakela, 267 Ward, 117-118☞ Wunderlin, 193-195	fuzzy-wuzzy air plant	Bromeliaceae; pineapple family	perennial epiphyte; to 25 cm tall; silvery white due to scales; lvs on elongate pseudobulbs; fl-stem hidden by pseudo-bulbs; floral bracts pinkish, flrs 5 to many, 3 violet petals; on dead trees; strand swamp; Collier Co.; all year.
380. <i>Tillandsia utriculata</i> L. See note on #378. ☞Atlas FL, West Indies, Mexico, Central and South America	Correll and Correll 284 Long and Lakela, 265 Small, 271 Wunderlin, 194-195	giant wild-pine swollen wild pine	Bromeliaceae; pineapple family	epiphyte (may tumble, continue to grow); rosette lvs up to 2 m tall, light-green, bases wide, not brown banded, attenuated tips, leathery; flower stalks zig-zag; hammocks, cypress swamps, pinelands; Putnam, Flagler, Sumter, Lake and Citrus cos. southward.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
<p>381. <i>Tithymalus telephioides</i> (Chapm.) Small Federal Register, 8 May 1992, as threatened, <i>Euphorbia telephioides</i> Chapman [In 1998 Rule, listed as: <i>Euphorbia telephioides</i> Chapm..] By error, this species is listed as both <i>Euphorbia</i> [# 155 in this Rule] and this name [#381]. ☼☼Chafin endemic</p>	<p>Clewell, 358 Small, 801 Wunderlin, 401-403, as <i>Euphorbia</i></p>	<p>Telephus spurge</p>	<p>Euphorbiaceae; spurge family</p>	<p>herb; lvs sessile; glands of involucre without subulate appendages, cyathia green to reddish, on peduncles less than 2 cm; wet flatwoods, wiregrass areas; Bay, Franklin and Gulf cos.; May-Jul.</p>
<p>382. <i>Torreya taxifolia</i> Arnott Federal Register, 23 Jan 1984 ☼☼Atlas; Bell and Taylor, p.9; Nelson, plate #6 endemic, except Decatur Co., GA</p>	<p>Clewell, 56 Godfrey, 59-61☼☼ Small, 12 Ward, 62-63☼☼ Wunderlin, 64</p>	<p>Florida torreya gopherwood stinking-cedar</p>	<p>Gymnospermae-- Taxaceae; yew family</p>	<p>tree; whorled branches; needles 2.5-2.7 cm long, sharp and piercing to touch, arranged spirally, glossy green above, light green below, with a grayish stripe on either side of midrib; strong odor when crushed; rich wooded slopes of ravines and bluffs in Apalachicola River area; Gadsden, Jackson and Liberty cos.</p>
<p>383. <i>Tournefortia hirsutissima</i> L. ☼☼Atlas FL, West Indies, Mexico, Central and South America</p>	<p>Long and Lakela, 731 Small, 1131 Wunderlin, 518</p>	<p>chiggery-grapes</p>	<p>Boraginaceae; borage family</p>	<p>shrub or vine, stems hairy; lvs not crowded, elliptic to ovate, to 15 cm long, rough with stiff hairs; corymbose spikes; flrs with white corollas much longer than calyx; drupes to 5 mm long; hammocks; Collier, Dade, Hendry, Monroe (incl Keys) cos.; all year.</p>
<p>384. <i>Trema lamarckianum</i> (J.A. Schultes) Blume ☼☼Atlas; Scurlock, p. 164 FL, West Indies</p>	<p>Correll and Correll, 414-415☼☼ Long and Lakela, 357 Small, 443 Wunderlin, 261</p>	<p>Lamarck's trema West Indian trema pain-in-the-back</p>	<p>Ulmaceae; elm family</p>	<p>tree or shrub, to 6 m tall; lvs ovate to lanceolate, to 6 cm long and 2 cm wide, base rounded, margins toothed, rough on upper surface; axillary cymes; calyx whitish or pinkish; no corolla; drupe pinkish, smooth, 2-3 mm long; hammocks, disturbed areas, roadsides, strong invader; Collier, Dade and Monroe cos.; all year.</p>
<p>385. <i>Trichomanes holopterum</i> Kunze FL, West Indies</p>	<p>FNA, 194-195 Lakela and Long, 53, 56☼☼ Long and Lakela, 72, 73☼☼ Wunderlin, 43-44</p>	<p>entire-winged bristle fern a filmy fern</p>	<p>Pteridophyta-- Hymenophyllaceae; filmy fern family</p>	<p>fern; epiphytic; erect rhizome, lvs clustered; lvs lobed, to 10 cm long and 2 cm wide, no hairs on lf margins; sori at tips of lf lobes, enclosed by conic involucre, sessile spongia inside this "cup" and with an exerted bristle; strand swamps; Collier and Monroe [not Keys] cos.</p>
<p>386. <i>Trichomanes krausii</i> Hook. and Grev. FL, West Indies, Mexico, Central and South America</p>	<p>FNA, 195 Lakela and Long, 53, 55☼☼ Long and Lakela, 73 Small: fern, 52, 54-55 Wunderlin, 43-44</p>	<p>Kraus' bristle fern</p>	<p>Pteridophyta-- Hymenophyllaceae; filmy fern family</p>	<p>fern; epiphytic or terrestrial; horizontal rhizome, lvs spaced; lvs lobed, to 5 cm long and 1.5 cm wide, with stellate marginal hairs between the lobes and 2-celled glandular hairs on the petioles and veins; conic sori on lobes near lf-tip, lips brownish; limestone sinks in rock-land hammocks, bases of tree trunks; Dade Co.</p>
<p>387. <i>Trichomanes lineolatum</i> (Bosch) Hook. in Hook. and Baker FL, West Indies, Mexico, Central and South America</p>	<p>FNA, 196 Lakela and Long, 53-54 Long and Lakela, 73 Small: fern, 52-53 Wunderlin, 43-44</p>	<p>lined bristle fern a filmy fern</p>	<p>Pteridophyta-- Hymenophyllaceae; filmy fern family</p>	<p>fern; on rocks; threadlike matted rhizomes, spaced lvs; lvs round to obovate, irregularly lobed, to 3 cm long and 1.5 cm wide, with dark stellate hairs on the margin and 2-celled glandular hairs on the petioles and veins; 1 to 5 conic sori per lf, lips not winged, with dark marginal band 2-5 cells thick; limestone sinks; Dade Co. (extirpated?)</p>

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
388. <i>Trichomanes punctatum</i> Poir. [ssp. <i>floridanum</i> Boer is endemic] ☼☼Chafin FL, West Indies, Mexico, Central and South America	FNA, 196 Lakela and Long, 53 Long and Lakela, 73 Small: fern, 48-50 Wunderlin, 43-44	Florida bristle fern a filmy fern	Pteridophyta-- Hymenophyllaceae; filmy fern family	fern; on rocks or epiphytic; threadlike matted rhizomes, spaced lvs; lvs round to oblanceolate, irregularly lobed, to 1 cm long and 9 mm wide, hairs and sori as for <i>T. lineolatum</i> , but dark band less obvious, lip winged; limestone sinks in rockland hammocks; (Citrus), Dade and Sumter cos.
389. <i>Trichostigma octandrum</i> (L.) H. Walt. FL, West Indies, Mexico, Central and South America	Correll and Correll, 504-505☼☉ Long and Lakela, 395 Small, 484 Wunderlin, 286	hoop vine	Phytolaccaceae; pokeweed family	vine, climbing to 10 m, glabrous, peg-like remnants of petioles on old stems; lvs to 15 cm long, oblong, acuminate tips, glabrous; dense raceme to 7 cm long; 4 sepals, greenish-white, to 4 mm long; no petals; 8-16 stamens; berry black, 6 mm wide; disturbed areas, moist hammocks; Broward, Collier and Monroe [Keys only] cos.; Feb-May. Extirpated?
390. <i>Trillium lancifolium</i> Raf. ☼☼Atlas; Chafin GA, FL, AL, TN	Clewell, 195 Small, 306, as <i>T. lanceolatum</i> Ward, 118 Wunderlin, 209	lance-leaved wake robin narrow-leaf trillium	Trilliaceae; trillium family Or, Liliaceae; lily family	herb; whorl of 3 lvs (bracts) which are lanceolate to lance-ovate; flrs with 3 sepals, 3 petals, 6 anthers, 3 stigmas; sepals curved backwards; anthers about same length as filaments; petals 2-4 cm long, purple; bluffs, bottomland forest; Gadsden, Jackson and (Liberty) cos.; Feb-Mar.
391. <i>Triphora craigheadii</i> Luer endemic	Luer, 52-53☼☼☼ Wunderlin, 246	Craighead's orchid Craighead's noddingcaps	Orchidaceae; orchid family	terrestrial; to 8 cm tall; ovoid tuber to 1.5 cm long; stem purplish; lvs purple beneath, to 1 cm long and 1.2 cm wide, margins undulate; inflor with 1 to 3 flrs; flrs white, with pinkish flush on petal tips, lip white with purple spots and disc with 3 parallel entire crests; deciduous woods, mesic hammocks; (Citrus), Collier, Hernando, Highlands and Sumter cos; Jun.
392. <i>Triphora latifolia</i> Luer f. endemic	Luer, 50-51 ☼☼☼ Wunderlin, 246	wide-leaved triphora broadleaf noddingcaps	Orchidaceae; orchid family	terrestrial; to 9 cm tall; ovoid tuber to 2 cm long; lvs to 8 mm long and 13 mm wide, green, margin entire; single flr, white; hardwood hammocks; Hernando and Hillsborough cos; Jul-Sep.
393. <i>Tropidia polystachya</i> (Swartz) Ames FL, West Indies, Mexico, Central and South America	Long and Lakela, 322 Luer, 132-134☼☼☼ Small, 385 Ward, 63 Wunderlin, 246	young-palm orchid [looks like a seedling palm]	Orchidaceae; orchid family	terrestrial herb; stem woody, to 35 cm tall; lvs several, pleated; ca. 50 small flrs at top of stem; 3 sepals greenish, ca. 6 mm long; upper 2 petals pale greenish, white lip with a yellow central spot; dense tropical hammocks; Dade Co. (extirpated?); Oct-Dec.
394. <i>Uvularia floridana</i> Chapman ☼☼Chafin FL, AL, GA, SC	Clewell, 180 Godfrey and Wooten I 588 Radford <i>et al.</i> , 313 Small, 300, as <i>Oakesiella</i> Ward, 162 Wunderlin, 210	Florida merrybells Florida bellwort	Colchicaceae; crocus family Or Uvulariaceae; bellwort family Or, Liliaceae; lily fam.	perennial herb; lvs sessile, elliptic, to 8 cm long, not shiny; flrs axillary, flr stalk with 5-17 mm leafy bract just below the flr; tepals linear, attenuate, 2-3 cm long; capsule rhombic-ovoid, to 3 cm long; bluffs, river swamps, rich woods; Jackson, Gadsden, Leon and Nassau cos.; Mar.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
395. <i>Vallesia antillana</i> Woods. ✠Atlas; Chafin; Scurlock, p. 166 FL, West Indies, Mexico, Central and South America	Correll and Correll 1144, 1146-1147 ✠ Long and Lakela, 699 Wunderlin, 499	tear shrub	Apocynaceae; dogbane family	shrub, to 4 m tall; stipules with dentate gland; lf stalk less than 5 mm long; lvs elliptic to obovate-elliptic, to 8 cm long; infl axillary cymose umbels; calyx very short; corolla tube 6-7 mm long, lobes 4-5 mm long, somewhat spiraled; drupe to 1 cm long; coastal hammocks; Monroe [incl. Keys] Co.; spring.
396. <i>Vanilla barbellata</i> Reichenb. f. ✠Atlas; Chafin; DPI poster, plate #50 FL, West Indies	Long and Lakela, 327 Luer, 76-77 ✠ Small, 374, as <i>V. articulata</i> Ward, 118-119 Wunderlin, 247	worm-vine orchid link vine	Orchidaceae; orchid family	epiphyte; vine; stem succulent; lacks lvs, may be confused with <i>V. dilloniana</i> which also lacks lvs, but differs by having a green and red lip rather than a white and purple lip and by having a subcylindric capsule rather than a club-shaped capsule; prairies, tidal swamps, hammocks; Dade and Monroe [Keys only] cos.; Jun-Aug.
397. <i>Vanilla dilloniana</i> Correll ✠Chafin FL, West Indies	Long and Lakela, 326 Luer, 74-75 ✠ Small, 374, as <i>V. eggersii</i> Wunderlin, 247	Dillon's vanilla leaf-less vanilla	Orchidaceae; orchid family	See above for descriptive comparisons. Rockland hammocks; Dade Co. (extirpated?).
398. <i>Vanilla mexicana</i> P. Mill. Luer uses <i>V. inodora</i> Schiede FL, West Indies, Mexico, Central and South America	Long and Lakela, 326 Luer, 73, 75 ✠ Wunderlin, 247	unscented vanilla (Atlas calls this commercial vanilla; <i>V. planifolia</i> original source.)	Orchidaceae; orchid family	epiphyte; vine; nodes 5 to 8 cm apart; lv at each node, up to 25 cm long and 12 cm wide, thin; inflor axillary, 5 to 6 flrs; flrs chartreuse, white lip, unscented; bayhead, baygals; Collier, Dade (extirpated?) and (Martin) cos.; spring to fall.
399. <i>Vanilla phaeantha</i> Reichenb. f. FL, West Indies	Long and Lakela, 326 Luer, 70-71 ✠ Small, 374 Wunderlin, 247	leafy vanilla oblong-leaved vanilla	Orchidaceae; orchid family	epiphyte; vine; nodes 10-15 cm apart; lv at each node, up to 11 cm long and 3.5 cm wide, fleshy; inflo up to 12 flrs; flrs greenish; fruit to 8 cm long; strand swamps, dome swamps; Collier Co; May-Jul.
400. <i>Veratrum woodii</i> Robbins ex Wood Kartesz: <i>Melanthium woodii</i> (J. W. Robbins ex Wood) Bodkin OH, IN to AR; GA, FL	Clewell, 181 Jones and Coile, 211 Small, 277, as <i>V. intermedium</i> Ward, 64-65 ✠ Wunderlin, 210	false hellebore	Melanthiaceae; bunchflower family Or, Liliaceae; lily family	perennial herb; rootstock is vertical; lvs in cluster, up to 50 cm long, with 5-7 main parallel veins, not hairy; flr-stalk to 1 1/3 m tall, with many small flrs loosely displayed; 6 tepals, dark purple or maroon, each with 2 dark glands at the base; moist sandy loam wooded ravines; Gadsden and Liberty cos.; Jul-Sep.
401. <i>Verbena maritima</i> Small Kartesz: <i>Glandularia maritima</i> (Small) Small ✠Atlas; Taylor, p. 268 endemic	Long and Lakela, 741 Small, 1138 Wunderlin, 521, as Kartesz	coastal vervain coastal mock vervain	Verbenaceae; vervain family	perennial; stems creeping; lvs 2-4 cm long, ovate to cuneate, deeply toothed or incised, nearly hairless; flrs in spikes, corollas ca. 2 cm long, rose-purple sh; calyx lobe tip awl-like, up to 1 mm long; coastal dunes, coastal strand, pine rocklands; Brevard, Broward, Collier, Dade, Flagler, Hendry, Indian River, Levy, Martin, Monroe [Keys only], Palm Beach, St. Lucie and Volusia cos.; all year.

SCIENTIFIC NAME	REFERENCES	COMMON NAMES	FAMILY	DESCRIPTIONS
<p>402. <i>Verbena tampensis</i> Nash Kartesz: <i>Glandularia tampensis</i> (Nash) Small</p> <p>☼☼Atlas; Taylor, p. 269 endemic</p>	<p>Long and Lakela, 741 Small, 1139 Wunderlin, 521-522, as Kartesz</p>	<p>Tampa vervain Tampa mock vervain</p>	<p>Verbenaceae; vervain family</p>	<p>perennial, stems upright or drooping; lvs 2-8 cm long, lanceolate to ovate, toothed or incised or sharply lobed, toothed; flrs in spikes, corollas ca. 1.5 cm long, purple; calyx lobes bristle-tipped up to 3 mm; flatwoods, hammocks, sandy soil, disturbed sites; Brevard, Citrus, Collier, Flagler, (Hernando), Hillsborough, Indian River, Lee, Manatee, Orange, Pasco, Pinellas, Sarasota and Volusia cos.; Jan-Jun.</p>
<p>403. <i>Vicia ocalensis</i> Godfrey and Kral</p> <p>☼☼Atlas; Chafin endemic</p>	<p>Godfrey and Wooten II, 257 Isely, 202 Ward, 162-163 Wunderlin, 378</p>	<p>Ocala vetch</p>	<p>Leguminosae/ Fabaceae; legume family Papilionoidae; pea subfamily</p>	<p>perennial herb; climbing or trailing; nearly hairless; lflets 2-6, terminating with a simple tendril; flr-stalk 3-5 cm long with 2-12 flrs; corollas blue (or lavender) and white, 8-12 mm long; legume 4-4.5 cm long, 7-8 mm wide; 8-12 seeds, ca. 3-3.5 mm wide; open moist areas, banks of thickets and marshes; Lake and Marion cos.; Apr-May.</p>
<p>404. <i>Viola tripartita</i> Elliott Formerly listed by error as <i>V. hastata</i> Michaux. Not: <i>V. hastata</i>.</p> <p>☼☼Atlas [<i>V. hastata</i>] PA, OH, south to NC, SC, GA, FL, AL, MS</p>	<p>Radford <i>et al.</i>, 730 Small, 892 Ward, 65☼⊙ Wunderlin, 441-442, as <i>V. hastata</i></p>	<p>yellow violet</p>	<p>Violaceae; violet family</p>	<p>perennial herb; rootstock short, woody, brown, with coarse fibrous roots; leafy stem; lvs ovate, 3 lobed to 3-divided; petals yellow with violet on back; rich, deciduous woods in ravines; Gadsden Co.; Apr.</p>
<p>405. <i>Warea amplexifolia</i> (Nutt.) Small Endangered Species Act 1973; Federal Register, 29 Apr 1987 Kartesz used these authors: (Nutt.) Nutt</p> <p>☼☼Atlas; Chafin. endemic</p>	<p>Small, 574 Wunderlin, 317</p>	<p>clasping warea</p>	<p>Cruciferae/ Brassicaceae; mustard family</p>	<p>herb; hairless; to 70 cm tall; lvs 0.8-3 cm long with clasping bases; petals white, fading purple; dry pinelands and sandhills; Lake, Orange, Osceola and Polk cos.; Aug-Oct.</p>
<p>406. <i>Warea carteri</i> Small Federal Register, 21 Jan 1987</p> <p>☼☼Atlas; Chafin endemic</p>	<p>Small, 574 Wunderlin, 317</p>	<p>Carter's mustard Carter warea</p>	<p>Cruciferae/ Brassicaceae; mustard family</p>	<p>annual herb; unbranched, to 1 m tall; lvs to 1 cm long, become smaller up stem; flrs, white, 4 petals; frts 4-6 cm long, frt stalk to 1.5 cm; pinelands, scrub, and sandhills; Brevard, Dade (extirpated?), Glades, Highlands and Polk cos.; all year.</p>
<p>407. <i>Xanthorhiza simplicissima</i> Marsh.</p> <p>☼☼Atlas NY, PA, KY, south to S.C, FL, AL</p>	<p>Clewell, 463 Godfrey, 531-533☼⊙ Godfrey and Wooten II, 125 Radford <i>et al.</i>, 453-454☼⊙ Small, 511 Wunderlin, 302</p>	<p>yellowroot brook feather</p>	<p>Ranunculaceae; buttercup family</p>	<p>shrub; to 60 cm tall; stem and roots brilliant yellow under the bark; lvs cpd; flrs in feathery cluster; sepals brownish-purple; petals lacking; staminodia 5; stamens 5 or 10; shaded stream banks; Gadsden, Jackson, Santa Rosa and Walton cos.; Mar.</p>
<p>408. <i>Xyris chapmanii</i> Bridges and Orzell</p> <p style="text-align: right;">TX, MS to FL</p>	<p>Phytologia 68(5): 382-389, May 1980 Wunderlin, 188-189</p>	<p>Chapman s yellow- eyed-grass Gulf Coast yelloweyed grass</p>	<p>Xyridaceae; yellow-eyed-grass family</p>	<p>perennial herb, solitary or loose tufts, base of plant with fibrous parts of old lvs, no distinct outer scale lvs; lvs linear to 74 cm long and 2-4 mm wide, smooth, spirally twisted, lf bases not expanded to form bulbous base; petals ca. 3 mm long; mucky seepage bogs; Calhoun, Escambia, Okaloosa and Santa Rosa cos.; Aug-Sep.</p>

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**PRESERVATION OF NATIVE FLORA OF FLORIDA
REGULATED PLANT INDEX: II. THREATENED PLANT LIST**

Florida Department of Agriculture and Consumer Services, Division of Plant Industry, Rule Chapter 5B-40

SCIENTIFIC NAME	REFERENCES	COMMON NAME	FAMILY	DESCRIPTIONS
<p>1. <i>Acanthocereus pentagonus</i> (L.) Britt. and Rose [In the 1998 Rule, listed as: <i>Cereus pentagonus</i> (L.) Haw.] Kartesz: <i>A. tetragonus</i> (L.) Humm.</p> <p>☼☼Atlas FL, TX, Mexico, West Indies, South America</p>	<p>Benson, 563-565☼☼☼☼☼ Long and Lakela, 628-629☼☼ Small, 915, as <i>Acanthocereus</i>☼☼ Wunderlin, 445-446</p>	<p>barbed-wire cactus dilldoe cactus</p>	<p>Cactaceae; cactus family</p>	<p>stems reclining (rarely erect), 3-angled when mature, 4-6 angles when young; forms thickets; flrs white, floral tube with slender spines; frts bright red, shiny; maritime hammocks, beaches; Collier, Dade, Lee, Martin, Monroe [Keys only], Palm Beach and St. Lucie cos.; all year.</p>
<p>2. <i>Acoelorrhaphe wrightii</i> (Griseb. and H. Wendl.) H. Wendl.</p> <p>☼☼Scurlock, p. 6; Nelson, plate #7 FL, West Indies, Central and South America</p>	<p>Correll and Correll, 252, 253☼☼ Long and Lakela, 244-245 Small, 242-243, as <i>Paurotis</i>☼☼ Wunderlin, 180 Zona, 89-91☼☼</p>	<p>Everglades palm paurotis palm silver saw-palmetto</p>	<p>Palmae/ Arecaceae; palm family</p>	<p>clustered stems, with fibrous mat, slender, to 12 m tall; petioles with flat orange up-curved prickles; lf blades sub-orbicular to orbicular, to 1 m broad, segments attenuate; petals 3, ca. 1 mm long; stamens same size and with broad filaments; drupe orange ripening black, to 1 cm thick; hammocks and savannas; Collier, Dade and Monroe [not Keys] cos.</p>
<p>3. <i>Acrostichum aureum</i> L. synonym: <i>Phlebodium aureum</i> (L.) Sm.</p> <p>☼☼Atlas worldwide: tropics and subtropics</p>	<p>FNA, 131 Lakela and Long, 86, 88☼☼ Long and Lakela, 86 Small: ferns, 67-69☼☼ Wunderlin, 42</p>	<p>golden leather fern golden polypody leather-fern</p>	<p>Pteridophyta-- Adiantaceae; maidenhair fern family</p>	<p>fern; lvs to 3 m tall and 50 cm wide, lf-segments not overlapping, fertile fl-lets above sterile; sterile segments oblong, rounded at apex; coastal hammocks, tidal marsh; Broward, Charlotte, Collier, Dade, Lee, Manatee and Monroe [incl. Keys] cos.</p>
<p>4. <i>Andropogon arctatus</i> Chapman</p> <p style="text-align: right;">endemic</p>	<p>Clewell, 122 Hall, 442 Hitchcock and Chase, 760, 761☼☼ Small, 46 Wunderlin, 82-83</p>	<p>pinewood bluestem</p>	<p>Gramineae/ Poaceae; grass family</p>	<p>perennial, tufted, to 1.5 m tall; lv blades to 6.3 mm wide and 0.5 m long; spathes 3.8-9.2 cm long; peduncles 3.6-14.6 cm long; 2 to 3 racemes per peduncle; 8-15 spikelet pairs: stalked spikelet sterile to 2.7 mm long, sessile spikelet fertile, 0.7-1 mm wide and 4.5-6.2 mm long; one stamen; flatwoods; Alachua, Bay, Brevard, Calhoun, Charlotte, Clay, (Collier), Escambia, Franklin, Gulf, Hardee, Highlands, Hillsborough, Jackson, (Lee), Leon, Liberty, Manatee, Osceola, Santa Rosa, Walton and Washington cos.; Oct-Nov.</p>

☼☼= line drawing.

☼☼☼= photograph.

SCIENTIFIC NAME	REFERENCES	COMMON NAME	FAMILY	DESCRIPTIONS
5. <i>Angadenia berteroi</i> (A.DC.) Miers synonym: <i>Rhabdadenia corallicola</i> Small	Long and Lakela, 700, as <i>A. berterii</i> Small, 1062☼☉ Wunderlin, 497	pineland golden trumpet pineland allamanda	Apocynaceae; dogbane family	scandent shrub with long branches, milky sap; lvs opposite, ovate to oblong, to 3 cm long, revolute; calyx lobes deltoid, 2-3 mm long; corolla to 3 cm long and 4 cm wide, yellow, tube gradually dilates to funnellform throat; stamens 5, anthers appendaged at base and stuck to stigma; 2 follicles, to 10 cm long; pinelands; Dade and Monroe [Keys only] cos.; all year.
☼☼Atlas; Bell and Taylor, p. 190				?endemic
6. <i>Arnoglossum diversifolium</i> (Torr. and Gray) H. Robinson [In the 1998 Rule, <i>Cacalia diversifolia</i> Torr. and Gray was used.] Cronquist uses <i>Cacalia diversifolia</i> Torrey and Asa Gray	Clewell, 288 Cronquist, 106 Small, 1476; as <i>Mesadenia</i> Wunderlin, 605-606	Indian-plantain variable-leaved- Indian-plantain	Compositae/ Asteraceae; daisy family tribe: Senecioneae.	perennial herb; up to 3 m tall; stems angular; mostly hairless; lvs alternate, most at the base, reduced in size upwards, upper lvs lobed at base; heads numerous, each with 5 flrs; whitish bracts; flrs lavender; river swamps, woods along stream; Calhoun, (Charlotte), Holmes, Jackson, Leon, Levy, Putnam, (Volusia), Walton and Washington cos.; May-Aug.
☼☼Atlas				FL, sw GA, se AL
7. <i>Asclepias viridula</i> Chapman	Clewell, 251 Small, 1071 Wunderlin, 501-502	green milkweed southern milk weed	Asclepiadaceae; milkweed family	herbaceous perennial; lvs opposite, 1-2 mm wide; several clusters of flrs; hoods longer than stigma, corona 5-6 mm wide; greenish flrs; wet pinelands, flatwoods; Baker, Bay, Bradford, Duval, Flagler, Franklin, Gulf, Liberty, Nassau, St. Johns, Wakulla, Walton and Washington cos. May-Jul.
☼☼Chafin				endemic
8. <i>Athyrium filix-femina</i> (L.) Mertens 4 varieties; ours is var. <i>asplenioides</i> (Michaux) Farwell	Clewell, 47 FNA, 257-258 Lakela and Long, 151-152☼☼ Radford <i>et al.</i> , 20, 22☼☉ Small: ferns, 193-195☼☉ Wunderlin, 54	southern lady fern lowland lady-fern	Pteridophyta-- Dryopteridaceae, Polypodiaceae; wood fern family, polypody family	terrestrial fern; stems creeping; lvs deciduous, petioles to 55 cm long, blades to 60 cm long, lflets alternate and tapering to long tips, lflet divisions with toothed margins; sori curved when young, covering edged with hairs; wet woods, moist banks, wooded hillsides, rocky streams, sandy bogs; Alachua, Calhoun, Clay, Columbia, Escambia, Gadsden, Hamilton, Jackson, Leon, Liberty, Madison, Nassau, Union and Walton cos.
☼☼Atlas				our variety: CT and DE south to FL, west to KS, OK, TX
9. <i>Baptisia hirsuta</i> Small Isely uses <i>Baptisia calycosa</i> Canby var. <i>villosa</i> Canby [other <i>Baptisia</i> species: Bell and Taylor, p. 155; Taylor, p. 143]	Clewell, 399 Isely, 109 Small, 676 Ward, 70-71 Wunderlin, 344-345, as Isely	hairy wild indigo	Leguminosae/ Fabaceae; legume family Papilionoidae, pea subfamily	perennial herb; to 1 m tall; stems hairy; lf-lets 3; calyx lf-like; corollas yellow, 12-14 mm long; bean ca. 1 cm long, black, beaked; 2-3 seeds; pine or oak woods, sandhills, roadsides, RR; Escambia, Holmes, Okaloosa, Santa Rosa and Walton cos.; May-Jun.
				endemic
10. <i>Baptisia simplicifolia</i> Croom	Clewell, 399 Isely, 108 Small, 675 Wunderlin, 344-345	scare-weed	Leguminosae/ Fabaceae; legume family Papilionoidae, pea subfamily	perennial herb; to 1 m tall; lvs not cpd, not perfoliate, thick, shiny above, pale below; corollas pale yellow or greenish yellow, 12-15 mm long; bean 1 cm long, woody, black, 5-6 seeds; pine or oak flatwoods, sandhills; Franklin, Gadsden, Liberty, Leon, Wakulla and (Walton) cos.; Jun-Sep.
☼☼Atlas				endemic

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11. <i>Bletia purpurea</i> (Lam.) DC. ✪✪Atlas FL, West Indies, Mexico, Central and South America	Correll and Correll, 342-343✪☉ Godfrey and Wooten I, 679, 681✪☉ Long and Lakela, 325 Luer, 226-227✪☉ Small, 394✪☉ Wunderlin, 232	pine-pink orchid	Orchidaceae; orchid family	terrestrial; to 1.5 m tall; lvs 3 to 5 from top of com, broadly linear, pleated, to 35 cm long; inflo. terminal raceme or panicle; flrs rosy-purple, yellow crest on the deep purple, 3-lobed lip, rounded at base; pinelands (especially in rocky crevices), cypress strand; Broward, Collier, Dade, Lee, Monroe [incl Keys] and Palm Beach cos.; Apr-May.
12. <i>Byrsonima lucida</i> (Mill.) DC. ✪✪Atlas; Nelson, plate #84; Scurlock, p.27 FL, West Indies	Correll and Correll, 756-758✪☉ Long and Lakela, 525, as <i>B.</i> <i>cuneata</i> Small, 756✪☉ Wunderlin, 388	locustberry Keys locustberry Long Key locustberry	Malpighiaceae; malpighia family	shrub or small tree; evergreen; lvs obovate to spatulate, 2-5 cm long, lustrous above; petals clawed, kidney-shaped, pink or white, fading rose or yellow; drupes 4-6 mm wide; pine rocklands, rockland hammock edges; Dade and Monroe [Keys only] cos.; all year.
13. <i>Calamintha ashei</i> (Weatherby) Shinnery synonyms: <i>Satureja ashei</i> Weatherby; <i>Clinopodium ashei</i> (Weatherby) Small ✪✪Atlas; Taylor, p.276 endemic, except for Tattnall Co., GA	Small, 1169; as <i>Clinopodium</i> Wunderlin, 528	Ashe's calamintha sandhill basil	Labiatae/ Lamiaceae; mint family	shrub; to 1/2 m tall; lvs to 1 cm long, edges curled under, fragrant; flrs pinkish-purple, less than 2 cm long, 2-lipped; 4 stamens; dry pinelands and sand pine scrub, disturbed areas; Glades, Highlands, Lake, Marion, Polk and Volusia cos.; Jan-Nov.
14. <i>Calamintha dentata</i> Chapman ✪✪Atlas endemic	Clewell, 381 Small, 1169 Wunderlin, 527-528	Florida calamintha toothed savory	Labiatae/ Lamiaceae; mint family	shrub, to 3/4 m tall; lvs obovate to elliptic-cuneate, to 12 mm long, marginal teeth, minutely and densely pubescent; corolla pinkish-purple, less than 2 cm long, 2-lipped, middle lobe of the lower lip larger than the lateral lobes; sandhills, dry bluffs; Bay, Gadsden, Jackson, Liberty, Wakulla, Walton and Washington cos.; Apr-Oct.
15. <i>Calamovilfa curtissii</i> (Vasey) Scribner endemic	Godfrey and Wooten I, 190 Hall, 143 Hitchcock and Chase, 330-331✪☉ Small, 107 Wunderlin, 93	Curtiss' sandgrass reedgrass	Gramineae/ Poaceae; grass family	perennial, short thick rhizome; narrow panicle with short strongly ascending branches; spikelet 1 flr, awnless, hairy lemmas, callus hairs to 2 mm long; pinelands, wet prairie, marsh; (Bay), Brevard, Okaloosa, Santa Rosa and Walton cos.; Aug-Nov.
16. <i>Calyptanthus pallens</i> Griseb. ✪✪Atlas; Scurlock, p. 32 FL, West Indies, Mexico	Correll and Correll, 1039, 1040✪☉ Long and Lakela, 642 Small, 937-938✪☉ Wunderlin, 453	pale lidflower spicewood	Myrtaceae; myrtle family	shrub, to 9 m tall, young stems 2-winged; lvs opposite, elliptical or oval, tapered at tip and base, to 10 cm long, glandular punctate, fragrant, petiole present; infl long-stalked axillary clusters; flrs with lid-like bud cover, greenish, pinkish, brownish, finely hairy, no petals; numerous stamens; berries globular, to 8 mm wide, hairy, red turning purplish-black; hammocks; Dade and Monroe [Keys only] cos.; all year.

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17. <i>Carex baltzellii</i> Chapman ex Dewey FL, AL, GA	Clewell, 82 Small, 213-214☉ Wunderlin, 144-150	Baltzell's sedge	Cyperaceae; sedge family	herb; 3 stigmas; triangular achene; perigynia not wax-encrusted, slightly shorter than and enclosed by scale; hammocks, bluffs, moist sandy loam; Bay, Calhoun, Escambia, Gadsden, Liberty, Okaloosa, Santa Rosa and Washington cos.; Feb-Apr.
18. <i>Chamaesyce pergamena</i> (Small) Small Kartesz: <i>C. adenoptera</i> (Bertol.) ssp. <i>pergamena</i> (Small) Burch ☉☉Atlas FL, West Indies, Central and South America	Long and Lakela, 553 Wunderlin, 395-398	rocklands spurge southern Florida sandmat	Euphorbiaceae; spurge family	herb, prostrate or decumbent, stems hairy; lvs to 5 mm long, elliptic or ovate-elliptic, margins toothed; cyathia [many flrs simulatin g a simple flr] in upper nodes, about 1-1.5 mm long, petal-like appendages white or pinkish, 2 long and 2 short; capsule 1.5 mm wide, very hairy; pinelands; Collier, Dade and Monroe [Keys only] cos.
19. <i>Chaptalia albicans</i> (Swartz) Vent. ex Steud. FL, West Indies and Mexico	All but Wunderlin as <i>C. dentata</i> : Correll and Correll, 1464- 1465☉ Cronquist, 229 Long and Lakela, 863 Small, 1486☉ Wunderlin, 615	white sunbonnets pineland daisy	Compositae/ Asteraceae; daisy family tribe: Mutiseae	herb, to 30 cm tall; lvs basal rosette, firm, oblanceolate to narrowly elliptic-obovate, 0.5-2 cm X 3-25 cm, long attenuated bases, white wooly hairs on lower surface, bright green on upper surface; heads solitary, terminal on 30 cm long stalk, not nodding; rays and disc flrs white to greenish-white; pappus white; achene with beak as long as body; pinelands; Dade Co.; spring.
20. <i>Chrysophyllum oliviforme</i> L. synonym: <i>Cynodendron oliviforme</i> (L.) Baehni ☉☉Atlas; Nelson, plate #137; Scurlock, p. 50 FL, West Indies	Correll and Correll, 1097- 1099☉ Long and Lakela, 680 Small, 1031☉ Wunderlin, 483	satin leaf	Sapotaceae; sapote family	shrub or tree to 10 m; thornless; lvs undersurface densely copper-brown or silvery-brown tomentose; flrs tiny, axillary clusters; hammocks, thickets and pinelands; Brevard, Broward, Collier, Dade, Hendry, Indian River, Martin, Monroe [incl. Keys], Palm Beach and St. Lucie cos.; all year.
21. <i>Cleistes divaricata</i> (L.) Ames synonym: <i>Pogonia divaricata</i> (L.) R. Br. ☉☉Atlas DE to WV, KY, TN, south to FL, west to TX	Clewell, 185 Godfrey and Wooten I, 653, 654☉ Luer, 42-43☉ Radford <i>et al.</i> , 343☉ Small, 375☉ Wunderlin, 241, as <i>Pogonia</i>	spreading pogonia rosebud orchid lady's ettercap rose orchid	Orchidaceae; orchid family	terrestrial; to 0.8 m tall; glaucous; lf one (rarely 3), in middle of stem, to 18 cm long and 2 cm wide, present with flr; unfri nged lip 3.5-4.5 cm long, deep rose, magenta-pink to white, petals curve over lip forming a tube, sepals deep reddish-purple to brownish; low pinelands and savannas, pitcher-plant bogs, swamps, stream banks; Alachua, Baker, Bay, Bradford, Calhoun, Clay, Columbia, Duval, Escambia, Franklin, Gulf, Hamilton, Jefferson, Lake, Leon, Liberty, Marion, Nassau, Okaloosa, Putnam, Santa Rosa, Union, Wakulla and Walton cos.; Apr-Jun.

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22. <i>Coccothrinax argentata</i> (Jacq.) L.H. Bailey ✪✪Atlas; Nelson, plate #12; Scurlock, p. 57 FL, West Indies	Correll and Correll, 254-255✪☉ Long and Lakela, 247 Small, 241-242✪☉ Wunderlin, 180	silver palm Biscayne palm silver top seamberry palm Florida silver palm	Palmae/ Arecaceae; palm family	tree-like, to 8 m tall, slender trunk ca. 15 cm wide; lvs with petiole ca. as long as blade, blade nearly round, to 80 cm wide, deeply divided into drooping segments, bright green above, scurfy and silvery white below; frts ca. 1.5 cm wide, black; pine rocklands, hammocks, coastal strand; Broward, (Collier), Dade, Monroe [incl. Keys] and Palm Beach cos.; spring or after fire.
23. <i>Coelorachis tuberculosa</i> (Nash) Nash synonym: <i>Manisuris tuberculosa</i> Nash endemic	Clewell, 149 Hall, 415 Hitchcock and Chase, 787✪☉ Small, 41 Wunderlin, 95-96	Florida jointtail joint grass	Gramineae/ Poaceae; grass family	perennial grass, to ca. 1 m tall; lf sheaths flattened and keeled, to 31 cm long; infl a jointed, cylindrical spike to 7.9 cm long, joints of rachis not contracted; 1 st glume smooth or with tubercles (bumps); marshes, margins of ponds; Alachua, Brevard, Calhoun, Hernando, Highlands, Lake Marion, Martin, Orange, Palm Beach, Pasco, Putnam, Santa Rosa, Seminole, St. Lucie, Volusia and Washington cos.; Jun-Jul.
24. <i>Conradina grandiflora</i> Small [Listed as Endangered in the 1998 Rule.] ✪✪Atlas; Taylor, p. 275 endemic	Small, 1167 Wunderlin, 529	large-flowered rosemary	Labiatae/ Lamiaceae; mint family	shrubby; lvs without evident lateral veins, midrib glabrous to slightly pubescent; 4 stamens, arch to upper lip, anthers lack horns, filaments pubescent; calyx irregular; stigma branches equal; corollas lavender; scrub, scrubby flatwoods, coastal strand, disturbed; Brevard, Broward, Dade (extirpated?), Highlands, Indian River, Martin, Osceola, Palm Beach, St. Lucie and Volusia cos.
25. <i>Crossopetalum ilicifolium</i> (Poir.) Kuntze ✪✪Atlas; Nelson, plate #39; Scurlock, p. 67; FL, Cuba	Correll and Correll, 865-867✪☉ Long and Lakela, 568 Small, 819✪☉ Wunderlin, 414	Christmas-berry ground-holly quail-berry	Celastraceae; staff-tree family	shrub, hairy stems; lvs opposite, spiny-toothed, 1-1.5 cm long; petals orbicular, red, 1 mm long; drupes red, 3-4 mm wide; pine rockland, rockland hammocks, sinkhole rims; Dade and Monroe [Keys only] cos.; all year.
26. <i>Crossopetalum rhacoma</i> Crantz [Listed as Endangered in the 1998 Rule.] ✪✪Atlas; Nelson, plate #39; Scurlock, p. 68 FL, Bermuda, West Indies, S. America	Correll and Correll, 867✪☉ Long and Lakela, 568 Small, 819 Wunderlin, 414	rhacoma maidenberry	Celastraceae; staff-tree family	shrub; glabrous stems; lvs opposite, entire or crenate, 1-4 cm long; petals ovate to suborbicular, red to purplish, 1 mm long; drupes red, 5-6 mm long; pine rocklands, rockland hammocks, coastal strand; (Broward), (Collier), Dade, (Lee), Monroe [Keys only], (Palm Beach) and Sarasota cos.; all year.
27. <i>Cynanchum blodgettii</i> (Asa Gray) Shinnery ✪✪Atlas FL, West Indies	Correll and Correll, 1154, 1157 Long and Lakela, 707 Small, 1075✪☉ Wunderlin, 502-503	Blodgett's swallowwort	Asclepiadaceae; milkweed family	slender, twining vine; lvs opposite, linear or linear-lanceolate, to 2 cm long; infl cymose; calyx lobes 1 mm long; corolla rotate-campanulate, 2-3 mm long, whitish, lobes with tufts of hair on upper 1/3 of inner surface; follicles linear, to 5 cm long; hammocks; Dade and Monroe [Keys only] cos.; spring.

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28. <i>Digitaria dolichophylla</i> Henr. synonym: <i>D. filiformis</i> (L.) Koeler var. <i>dolichophylla</i> (Henrard) Wipff FL, West Indies	see Correll and Correll, 127-128 Hall, 267-268 Hitchcock and Chase, 580-582☉ Long and Lakela, 167 Wunderlin, 103-105, as var. of <i>D. filiformis</i>	Caribbean crabgrass	Gramineae/ Poaceae; grass family	perennial grass, tufts to 1 m tall; lvs to 2 mm wide and 47 cm long, rolled inwards; panicles with 2-4 branches, rachis not winged; spikelets to 1.6 mm long, in pairs, one short pedicel, 1 st glume absent or minute, 2 nd glume with capitate hairs; fertile lemma as long as spikelet; pinelands; Dade, St. Johns and Monroe [Keys only] cos.
29. <i>Drosera intermedia</i> Hayne ☉☉Atlas Newfoundland west to WI, south NY, coastal plain to FL and TX, Mexico, West Indies, Central and South America	Clewell, 345 Godfrey and Wooten II, 187, 190☉ Radford <i>et al.</i> , 517, 518☉ Schnell, 63-64☉ Small, 579 Wunderlin, 321	water sundew spoon-leaved sundew narrowleaf sundew	Droseraceae; sundew family	herb, to 20 cm tall, sticky, glandular hairs; lvs alternate, basal, to 6 cm long, spoon-shaped, petioles glabrous; flrs white or pinkish on glabrous stalk; seepage slopes, wet flatwoods, depression marshes, sinkhole lakes, drainage ditches; Alachua, Bay, Calhoun, Duval, Escambia, Franklin, Gulf, (Hernando), Highlands, (Hillsborough), Lake, Leon, (Levy), Marion, Okaloosa, (Osceola), Pasco, Polk, Putnam, Santa Rosa, Sumter, (Volusia) and Walton cos.; Apr-Nov.
30. <i>Drypetes lateriflora</i> (Sw.) Krug and Urban ☉☉Scurlock, p. 74 FL, West Indies, Mexico, Central America	Correll and Correll, 797, 798☉ Long and Lakela, 546 Small, 780☉ Wunderlin, 401	Guiana plum	Euphorbiaceae; spurge family	shrub, to 10 m tall, dioecious; lvs lanceolate to ovate, to 10 cm long, abruptly pointed, entire margins, leathery; infl axillary clusters, fragrant; ♀ flrs 3 mm wide, 4 stamens; ♀ flrs with 2-celled ovaries; drupes globular, hairy, red; hammocks; Brevard, Broward, Dade, Martin, Monroe [Keys only] and Palm Beach cos.; fall.
31. <i>Erithalis fruticosa</i> L. ☉☉Atlas; Scurlock, p. 76 FL, West Indies, Mexico, Central America	Correll and Correll, 1387, 1388☉ Long and Lakela, 802 Small, 1259☉ Wunderlin, 576	black torch	Rubiaceae; madder family	shrub to 6 m tall, dark brown bark striped light brown; lvs opposite, oval to elliptic-obovate, tips blunt, to 10 cm long, leathery, entire margins; stipules fused; terminal cymes; calyx to 2 mm; corolla with short tube and 5 long lobes, 3-5 mm long, white; drupe globose, to 4 mm wide, glossy black; sand dunes, coastal hammocks; Dade, Martin, Monroe [Keys only] and Palm Beach cos.; all year.
32. <i>Eulophia ecristata</i> (Fern.) Ames [In 1998 Rule, listed as <i>Pteroglossaspis ecristata</i> (Fern.) Rolfe] NC; SC, FL, LA, Cuba	Clewell, 185 Luer, 240-241☉ Radford <i>et al.</i> , 355-356☉ Small, 394-395, as <i>Triorchos</i> ☉ Wunderlin, 242, as <i>Pteroglossaspis</i>	non-crested eulophia green and black orchids- on-a-stick giant orchid	Orchidaceae; orchid family	terrestrial; to 1.7 m tall; 2-4 linear-lanceolate lvs at base; infl to 30 flrs; sepals and petals yellow-green, lip maroon, 3-lobed and crest-less; sand pine scrub, sandhills, pine rockland; historically: Alachua, Baker, Bradford, Brevard, Citrus, Clay, Collier, Columbia, Dade, DeSoto, Dixie, Duval, Hardee, Hernando, Highlands, Hillsborough, Lake, Levy, Manatee, Marion, Martin, Orange, Osceola, Pinellas, Polk, Putnam, Santa Rosa, (Sarasota), Seminole, (St. Johns), Taylor, Volusia and (Wakulla) cos.; Jul-Sep.

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<p>33. <i>Garberia heterophylla</i> (Bartram) Merr. and Harper synonym: <i>Garberia fruticosa</i> (Nutt.) A. Gray is the correct name IF the names in Bartram's Travels are considered not validly published.</p> <p>✱Atlas; Bell and Taylor, p. 254; Taylor, p. 290 endemic</p>	<p>Cronquist, 196 Small, 1336✱☉ Wunderlin, 629</p>	<p>garberia</p>	<p>Compositae/ Asteraceae; daisy family tribe: Eupatorieae</p>	<p>evergreen shrub; aromatic; to 2.5 m tall; lvs numerous, alternate, to 3.5 cm long 7 2 cm wide; heads terminal bunches, each with 5 flrs; flrs tubular, pink-purple; pappus persistent, brownish; dry sandy pine or pine-oak scrub and prairies; Brevard, Citrus, Clay, Hardee, Hernando, Highlands, Hillsborough, Lake, Manatee, Marion, Orange, Osceola, Pinellas, Polk, Putnam, Seminole, Sumter and Volusia cos.</p>
<p>34. <i>Harrisella filiformis</i> (Sw.) Cogn. synonym: <i>H. porrecta</i> (Reich.f.) Fawc. and Rendle</p> <p>FL, West Indies, Mexico, Central America</p>	<p>Long and Lakela, 327-328 Luer, 272-273✱☉ Small, 398✱☉ Wunderlin, 238</p>	<p>threadroot orchid leafless orchid jingle bell orchid needleroot airplant orchid</p>	<p>Orchidaceae; orchid family</p>	<p>epiphyte; roots less than 1 mm wide and over 30 cm long, green; lvs none; panicles or racemes with 1-6 tiny flrs, floral bracts 1 mm long, papery; flrs greenish yellow, less than 3 mm long; old orange groves, strand swamps, hardwood swamps, hammocks; Citrus, Collier, DeSoto, Glades, Hernando, Highlands, Hillsborough, Manatee, Orange, Osceola, Palm Beach, Pasco, Polk, (Sarasota) and Sumter cos., Aug-Sep.</p>
<p>35. <i>Hartwrightia floridana</i> Gray ex S. Watson</p> <p>✱Atlas; Chafin endemic</p>	<p>Cronquist, 195-196 Small, 1318✱☉ Ward, 138-139✱☉ Wunderlin, 630</p>	<p>hartwrightia</p>	<p>Compositae/ Asteraceae; daisy family tribe: Eupatorieae</p>	<p>perennial herb; glabrous; up to 1.5 m tall; lvs alternate, basal, entire, 5-2.5 x1-8 cm; flat-topped clusters of heads, 7-10 flrs per head, flrs tubular, white or pink, 3.4 mm long; wet flatwoods, bogs, seepage slope clearings, pine woods; Baker, Clay, Hardee, Highlands, Lake, Marion, Nassau, Polk, Putnam and Volusia cos.; Sept-Nov.</p>
<p>36. <i>Hexastylis arifolia</i> (Michaux) Small synonym: <i>Asarum arifolium</i> Michaux</p> <p>✱Atlas; Bell and Taylor, p.61 VA, KY south to FL, AL, LA</p>	<p>Clewell, 248 Radford <i>et al.</i>, 400-401✱☉ Small, 1280 Ward, 139✱☉ Wunderlin, 269, as <i>Asarum</i></p>	<p>heartleaf wild ginger little-brown-jug</p>	<p>Aristolochiaceae; birthwort family</p>	<p>perennial herb; aromatic; colonial; lvs leathery, heart-shaped, purple beneath, mottled above; flrs fleshy, maroon, tubular, odorless; slope forest, seepage stream banks; Duval, Escambia, Gadsden, Jefferson, Leon, Liberty, Okaloosa, Santa Rosa, Walton and Washington cos.; Feb-Apr.</p>
<p>37. <i>Ilex amelanchier</i> M.A. Curtis in Chapm.</p> <p>✱Galle, p. 133, plates 29 and 30 FL, GA, SC, NC, AL, MS, LA</p>	<p>Clewell, 247 Godfrey, 149, 150✱☉ Godfrey and Wooten II, 308 Radford <i>et al.</i>, 682✱☉ Small, 816 Wunderlin, 412</p>	<p>serviceberry holly sarvis holly</p>	<p>Aquifoliaceae; holly family</p>	<p>shrub, to 5 m tall; lvs deciduous, oblong, oblong-obovate or elliptic, to 9 cm long and 4 cm wide, lower surface with soft, shaggy hairs, margins entire or with a few small teeth; separate ♀ and ♂ plants; calyx lobes 4; corolla lobes 4, white or yellowish; drupes dull cherry-red, 5-10 mm wide; 4 nutlets; along creeks, floodplain forests, cypress-gum swamps; Escambia, Holmes, Jackson, Liberty, Okaloosa, Santa Rosa and Walton cos.; spring.</p>

SCIENTIFIC NAME	REFERENCES	COMMON NAME	FAMILY	DESCRIPTIONS
38. <i>Ilex krugiana</i> Loesner [In 1998 Rule, this species was ranked as Endangered.] FL and Cuba	Correll and Correll, 860-862☼☉ Long and Lakela, 567 Small, 814 Ward, 95-96☼☉ Wunderlin, 412-413	Krug s holly tawnyberry holly	Aquifoliaceae; holly family	shrub or tree to 11 m tall; lvs evergreen, 4 to 7.5 cm long, entire (mostly); frt black, achenes smooth; rockland hammocks, pinelands; Dade Co.; Feb-Jul
39. <i>Jacquemontia curtissii</i> Peter ex Small.f. According to Dr. D. F. Austin, Convolvulaceae expert, the proper spelling should be <u>curtissii</u> . This is a special exception to the nomenclature rules. Normally, this specific epithet should read as <u>curtissii</u> since it is named for A.H. Curtiss. ☼☼Atlas; Bdl and Taylor, p. 116; DPI poster, plate #37 endemic	Long and Lakela, 724 Small, 1089☼☉ Ward, 96-97 Wunderlin, 511, as <i>J. curtisii</i>	pineland jacquemontia	Convolvulaceae; morning glory family	perennial vine, woody base, reclingin; lvs 1-2 cm long, elliptic or elliptic-spathulate; calyx lobe 0.4-0.5 cm long; corollas white, 2-3 cm wide; pine rocklands, marl prairie, spoil banks, mesic flatwoods; Collier, Dade, Hendry and Monroe [incl. Keys] cos. [misidentified from: Indian River, Martin, Palm Beach cos.]; all year.
40. <i>Jacquinia keyensis</i> Mez ☼☼Atlas FL and West Indies	Correll and Correll, 1084-1085☼☉ Long and Lakela, 672 Small, 1028 Wunderlin, 479	joewood cudjoe-wood	Theophrastaceae; joewood family	tree; to 5 m tall; pale bark; lvs evergreen, opposite, leathery, 1-5 cm long; terminal racemes, erect-spreading, usually exceeding the lvs; petals 5, half the length united into a tube, yellowish, fragrant; 5 staminodia; 5 stamens; coastal strand, coastal grassland, maritime hammocks, rocky pineland; Dade, Lee and Monroe [Keys only] cos.; all year.
41. <i>Kalmia latifolia</i> L. ☼☼Atlas; Nelson, plate #49 Canada, southward to FL and LA	Clewell, 348 Godfrey, 245-247☼☉ Radford <i>et al.</i> , 803☼☉ Small, 999☼☉ Wunderlin, 476	mountain laurel ivy calico bush spoon wood	Ericaceae; heath family	shrub; to 12 m tall; forming thickets; lvs evergreen, alternate, to 12 cm long; flower clusters viscid; pink corollas, 20-25 mm wide, with pockets for anthers; stamens 10; capsule woody; slope forest, riverbanks, creek swamps; (Bay), Calhoun, Escambia, Gadsden, Holmes, Leon, Liberty, Okaloosa, Santa Rosa, Suwannee, Walton and Washington cos.; Mar-May.
42. <i>Lachnocaulon digynum</i> Körn. Wunderlin <i>et al.</i> use: <i>L. digynum</i> J. König FL, AL, MS	Clewell, 106 Godfrey and Wooten I, 527-529☼☉ Small, 256 Wunderlin, 192	Panhandle bogbuttons tiny bogbuttons pineland bogbutton	Eriocaulaceae; hatpins family	perennial, dense tufts of rosettes resemble moss; lvs linear, to 1 cm long and to 2.5 mm wide, yellow-green; flower stalk to 10 cm long, glabrous; infl ball-like, pale brown; ♀ fls with 2 stigmas; wet acid sands, peat or seepage bogs, pond margins; Bay, Calhoun, Escambia, Franklin, Gulf, Holmes, Liberty, Okaloosa, Santa Rosa and Walton cos.

SCIENTIFIC NAME	REFERENCES	COMMON NAME	FAMILY	DESCRIPTIONS
43. <i>Lechea cernua</i> Small [☼☼similar species in Radford <i>et al.</i> , p. 721] endemic	Long and Lakela, 611-612 Small, 883 Wunderlin, 440	scrub pinweed	Cistaceae; rockrose family	perennial herb, branched near the base; basal lvs less than 3X as long as broad, stem lvs small, alternate; flrs small, numerous; 5 sepals in 2 rings, outer shorter than inner; 3 petals, shorter than sepals; capsule about same length as sepals; sand scrub, openings, fire maintained; (Brevard), Broward, Collier, (Hardee), Hernando, Highlands, Hillsborough, Indian River, Lake, Lee, Manatee, Martin, Orange, Osceola, Palm Beach, Pinellas, Polk, Seminole, St. Lucie and (Volusia) cos.; Jul-Jan.
44. <i>Leitneria floridana</i> Chapman ☼☼Chafin; Nekon, plate #81 MO, AR, TX, GA, FL	Clewell, 418 Godfrey and Wooten II, 27-29☼☼ Small, 407-408☼☼ Ward, 143-144 Wunderlin, 253	corkwood	Leitneriaceae/ Simaroubaceae; corkwood family/ quassia family	shrub or tree, to 6 m tall; bark smooth, red-brown; lvs deciduous, alternate, 10-20 cm long, lf stalks 2-3 cm long; flrs appear before lvs, ♀ or ♀ clusters (usually on separate plants); flrs highly reduced, lack both sepals and petals; frts dry drupes; muddy riverbanks, sawgrass marshes, brackish marshes, coastal hammocks; Dixie, Franklin, Levy, Taylor and Wakulla cos.; Feb-Mar.
45. <i>Lilium catesbaei</i> Walter ☼☼Atlas; Bell and Taylor, p.16; Taylor, p. 300; DPI poster, plate #41 Coastal Plain, VA to FL and LA	Clewell, 179 Godfrey and Wooten I, 585 Radford <i>et al.</i> , 310, 311☼☼ Small, 291☼☼ Wunderlin, 207	Catesby lily pine lily leopard lily southern red lily	Liliaceae; lily family	perennial herb; lvs alternate (our other lilies have some whorled lvs), linear; flrs with 6 tepals, orange-pink with darker freckles, tepals clawed, recurved; wet flatwoods, bogs, usually with grasses; Alachua, Baker, Bay, Bradford, Brevard, Calhoun, Charlotte, Citrus, Clay, Collier, Columbia, De Soto, Duval, Escambia, Flagler, Franklin, Gadsden, Gulf, Hamilton, Hardee, Hernando, Highlands, Hillsborough, Jackson, Lake, Lee, Liberty, Manatee, Marion, Martin, Nassau, Okaloosa, Okeechobee, Orange, Osceola, Palm Beach, Pasco, Pinellas, Polk, Santa Rosa, Sarasota, (Seminole), St. Johns, St. Lucie, Taylor, Union, Volusia, Wakulla, Walton and Washington cos.; Jul-Oct.
46. <i>Listera australis</i> Lindl. Quebec and Ontario, south to FL, west to TX	Clewell, 186 Luer, 66-67☼☼ Godfrey and Wooten I, 647-648☼☼ Radford <i>et al.</i> , 340-341☼☼ Small, 378-379, as <i>Ophrys</i> ☼☼ Wunderlin, 238	southern twayblade double-leaf orchid	Orchidaceae; orchid family	terrestrial; to 20 cm tall; lvs 2, opposite at midstem, to 3.5 cm long and 2 cm wide; terminal raceme, to 25 flrs; flrs greenish purple, to 9 mm, lip forked, linear-oblong; capsule to 8 mm long; rich humus of low moist woods, sphagnum moss, stream banks; Alachua, Duval, Escambia, Gadsden, Hillsborough, Jackson, Jefferson, Lake, Leon, Levy, Liberty, Manatee, Marion, Polk, Putnam and Wakulla cos.; Jan-Mar.

SCIENTIFIC NAME	REFERENCES	COMMON NAME	FAMILY	DESCRIPTIONS
<p>47. <i>Lobelia cardinalis</i> L.</p> <p>✠Atlas; Bell and Taylor, p. 119; Taylor, p. 313 Canada, MN, south to FL and TX</p>	<p>Clewell, 261 Godfrey and Wooten II, 739-740✠☉ Radford <i>et al.</i>, 1005-1006✠☉ Small, 1292-1293✠☉ Wunderlin, 589-590</p>	<p>cardinal flower</p>	<p>Campanulaceae; bell flower family</p>	<p>perennial herb; to 1.5 m tall; corollas bright red; riverbanks, springs, coastal hammocks; Alachua, Bradford, Calhoun, Citrus, Clay, Columbia, Dixie, Duval, Escambia, Flagler, Franklin, Gichrist, Hamilton, Hernando, Hillsborough, Jackson, Jefferson, Lake, Levy, Liberty, Marion, Nassau, Okaloosa, Orange, Pasco, Putnam, Santa Rosa, Seminole, Sumter, Suwannee, Taylor, Wakulla and Walton cos.; summer-fall.</p>
<p>48. <i>Lupinus westianus</i> Small Isely has two varieties of <i>L. westianus</i>. The description and distribution given here is for var. <i>westianus</i>; the other variety is <i>aridorum</i>, see Endangered List #226. ✠Atlas endemic</p>	<p>Clewell, 409 Isely, 119 Small, 681 Ward, 99-100✠☉ Wunderlin, 363-364</p>	<p>Gulfcoast lupine Gulf coast lupine</p>	<p>Leguminosae/ Fabaceae; legume family Papilionoidae, pea subfamily</p>	<p>biennial herb; to 1.5 m tall; multi-stemmed; silvery due to hairs; lvs alternate, crowded, not cpd, 3-7 cm long, 2-3 cm wide; flrs blue, standard with red spot; coastal dunes, disturbed open sandy areas; Bay, Escambia, Franklin, Gulf, Okaloosa, Santa Rosa, Walton and Washington cos.; Mar-May.</p>
<p>49. <i>Malus angustifolia</i> (Aiton) Michaux ✠Atlas; Nelson, plate #118 VA, KY south to FL and LA</p>	<p>Clewell, 468 Godfrey, 564-565✠☉ Radford <i>et al.</i>, 557✠☉ Small, 634 Wunderlin, 329</p>	<p>crabapple flowering crabapple southern crabapple</p>	<p>Rosaceae; rose family</p>	<p>tree, to 10 m tall, forms thickets; thorns tipping leafy branches (or branches with leaf-scars); lvs alternate, blunt tipped, deciduous, toothed; flrs 3-5 at ends of spur shoots, 5 petals white to pink; fruit a pome; open, well-drained woodland, fence rows; Calhoun, Gadsden, Hamilton, Jackson, Jefferson, Leon, Liberty, Taylor, Wakulla and Washington cos.; early spring</p>
<p>50. <i>Manilkara jaimiqui</i> (C. Wright) Dubard ours is ssp. <i>emarginata</i> (L.) Cronquist synonyms: <i>M. bahamensis</i> (Baker) Lam. and Meeuse; <i>Mimusops emarginata</i> (L.) Britt. ✠Atlas; Nelson, plate #139; Scurlock, p. 110 FL, West Indies</p>	<p>Correll and Correll, 1099-1100✠☉ Long and Lakela, 681 Small, 1035✠☉ Wunderlin, 483</p>	<p>wild dilly wild sapodilla</p>	<p>Sapotaceae; sapote family</p>	<p>tree, to 10 m tall, milky sap; lvs alternate but clustered at twig ends, oblong to oblong-elliptic, blunt, many notched at tip, to 10 cm long, brownish hairs below, glabrous with age; infraxillary clusters; calyx with 6 sepals, hairy; corollas pale yellow, to 2 cm wide; berries with brown, scurfy skins, ca. 3 cm wide, edible; hammocks; Collier, Dade and Monroe [Keys only] cos.; winter, spring.</p>
<p>51. <i>Matelea gonocarpos</i> (Walter) Shinnars Kartesz uses the above; most of the manuals use: <i>M. gonocarpa</i> as does D.J. Drapalik, who studied SE species for his dissertation (1970) from Univ. North Carolina. ✠Atlas; Bell and Taylor, p. 197 FL, GA to TX, MO, KY</p>	<p>Clewell, 252 Correll and Johnston, 1240 Radford <i>et al.</i>, 856-857✠☉ Small, 1076✠☉ Wunderlin, 503</p>	<p>angle-pod</p>	<p>Asclepiadaceae; milkweed family</p>	<p>vine; lvs to 18 cm long, sometimes with basal lobes overlapping; corollas rotate, glabrous inside, corona not ridged; follicle winged, spineless; bluffs, floodplains; Alachua, Brevard, Calhoun, Columbia, Dixie, Duval, Flagler, Franklin, Gadsden, Glades, Gulf, Hamilton, Hernando, Jackson, Jefferson, Leon, Levy, Liberty, Marion, Nassau, Pasco, Pinellas, Polk, Putnam, Santa Rosa, Seminole, St. Johns, Sumter, Suwannee, Volusia and Washington cos.; May-Jul.</p>

SCIENTIFIC NAME	REFERENCES	COMMON NAME	FAMILY	DESCRIPTIONS
<p>52. <i>Maytenus phyllanthoides</i> Benth.</p> <p>☆ Atlas; Nelson, plate #41; Scurlock, p. 113 FL, West Indies, TX, Mexico</p>	<p>Correll and Correll, 870, 872 ☆ ⊙ Correll and Johnston, 999 Long and Lakela, 569 Small, 818-819 ☆ ⊙ Wunderlin, 414</p>	<p>mayten gutta-percha mayten Florida mayten leatherleaf mangle dulce</p>	<p>Celastraceae; staff-tree family</p>	<p>shrub or tree, to 7 m tall, gray or gray-brown bark; lvs obovate to elliptic-oblong, tips blunt or with tiny notches, margins entire, to 4 cm long, leathery; flrs solitary or clusters in axils; corolla to 3 mm wide, whitish or greenish; stamens inserted below disk; capsules to 12 mm long, 4-angled, red; seeds with red aril; hammocks, dunes; Collier, Citrus, Dade, Lee, Levy, Hillsborough, Manatee, Monroe [Keys only], Pasco and Pinellas cos.</p>
<p>53. <i>Melanthera parvifolia</i> Small</p> <p>endemic</p>	<p>Cronquist, 32 Long and Lakela, 831 Small, 1419 ☆ ⊙ Wunderlin, 640- but listed as one of many synonyms of <i>M. nivea</i> [snow squarestem]</p>	<p>small-leaved melanthera small-leaved cat-tongue</p>	<p>Compositae/ Asteraceae; daisy family tribe: Heliantheae</p>	<p>perennial herb; lvs opposite, toothed; heads terminal, flrs all tubular. Similar to <i>M. nivea</i>: 20 to 60 cm tall (vs. 50 to 200 cm tall); slender stems 1 to 2 mm thick (vs. robust stems); lvs up to 4 cm long (vs. 5-15 cm long); short petioles (vs. obvious petioles); mowed pine rocklands, marl prairies; Collier, Dade and Monroe cos.</p>
<p>54. <i>Myrcianthes fragrans</i> (Sw.) McVaugh synonym: <i>Eugenia simpsonii</i> (Small) Sarg.</p> <p>☆ Atlas FL, West Indies, Mexico, Central and South America</p>	<p>Correll and Correll, 1048-1049 ☆ ⊙ Long and Lakela, 646, 648 Small, 936, as <i>Ananomis simpsonii</i> ☆ ⊙ Wunderlin, 454</p>	<p>Simpson's stopper naked-wood pale stopper twinberry</p>	<p>Myrtaceae; myrtle family</p>	<p>tree, to 20 m tall, bark pale reddish-brown to tan; lvs opposite, with fragrance like nutmeg; infl stalk 2-4 cm long, 3 to 7 flrs; calyx 2 unequal pairs, petals 4, white, to 6 mm long; frt red, 2-celled, persistent calyx; hammocks; Brevard, Broward, Collier, Dade, Hendry, Indian River, Lee, Martin, Monroe [incl. Keys], Okeechobee, Osceola, (Palm Beach), Seminole, St. Johns, St. Lucie and Volusia cos.; all year.</p>
<p>55. <i>Najas filifolia</i> Haynes</p> <p>endemic</p>	<p>Brittonia 37:392-393 (1985) Wunderlin, 67</p>	<p>slender naiad needleleaf waternymph</p>	<p>Najadaceae; najas family</p>	<p>submerged in water; stems slender, about 20 cm long, brittle; lvs with sheath-like bases; flrs lack petals or calyx, tiny; frts curved; Alachua, Bradford, Highlands, Lake, Leon, Marion, Osceola and Santa Rosa cos.</p>
<p>56. <i>Nephrolepis biserrata</i> (Swartz) Schott</p> <p>FL, Mexico, West Indies, Central and South America, Africa, Asia</p>	<p>Correll and Correll, 30 FNA, 307 Lakela and Long, 96, 99 ☆ ⊙ Long and Lakela, 85 Small, ferns: 306-307 ☆ ⊙ Wunderlin, 57-58 see also, Botany Circular 32</p>	<p>giant sword fern Boston fern</p>	<p>Pteridophyta-- Dryopteridaceae/ Polypodiaceae/ Davalliaceae; wood fern family/ polypody family/ davallia family</p>	<p>fern; wiry stolons, tubers absent; lvs to 2 m long, erect, spreading or reclining, segments articulate to rachis, elliptic-lanceolate, to 23 cm long and 2 cm wide, upper surface hairy, margins finely toothed; scales pale brown and lacking transparent margins; mesic hammocks, roadside, clearings, swamps; Broward, Collier, Dade, Highlands, Lee, (Manatee), Martin, Monroe [not Keys] and Palm Beach cos.; spores all year.</p>

SCIENTIFIC NAME	REFERENCES	COMMON NAME	FAMILY	DESCRIPTIONS
<p>57. <i>Nolina atopocarpa</i> Bartlett</p> <p>[see Taylor, p. 35 for <i>N. brittoniana</i> photo]</p> <p style="text-align: right;">endemic</p>	<p>Clewell, 64 Small, 304☼☉ Ward, 42-43 Wunderlin, 213</p>	Florida beargrass	<p>Dracaenaceae; dragon s blood family Or, Agavaceae; agave family Or, Liliaceae; lily family</p>	<p>perennial, short stem; plant either ♀ or ☉ (occasionally both); lvs long and slender, to 2 m long and 4 mm wide; flrs small with 6 whitish perianth parts; ovary rounded at apex, capsule notched at apex; fire tolerant, tips of leaves burn but stem remains unharmed; grassy areas of flatwoods, bordering savannahs, shell middens; Brevard, Charlotte, Franklin, Lee, Liberty, (Marion), Orange, St. Johns and Volusia cos.; May-Aug.</p>
<p>58. <i>Opuntia stricta</i> (Haw.) Haw.</p> <p>☼☼Atlas</p> <p style="text-align: right;">VA, SC, GA, LA, TX, FL, West Indies, Mexico</p>	<p>Benson, 497-501☼☼ Correll and Correll, 1016☼☉ Long and Lakela, 625-626 Small, 909 Wunderlin, 448</p>	<p>shell moun d prick ly- pear common prickly-pear erect pricklypear</p>	<p>Cactaceae; cactus family</p>	<p>perennial; much branched, to about 2 m tall; joints green, to 40 cm long, 25 cm wide, 2 cm thick; lvs quickly deciduous, conical, to 7 mm long; <u>var. stricta</u>; no spines (or solitary ones in marginal areoles), <u>var.</u> <u>dillenii</u>; areoles with small barbed spines and larger unbarbed yellowish spines to 4 cm long; flrs solitary at the areoles, bright yellow; shell mounds, coastal areas; Brevard, Charlotte, Collier, Dade, Duval, Flagler, Franklin, (Gulf), Hillsborough, Indian River, Lee, Levy, Manatee, Monroe [incl. Keys], Nassau, Okeechobee, Palm Beach, Pinellas, Sarasota, St Johns, St. Lucie, Volusia, Wakulla and Walton cos.; all year.</p>
<p>59. <i>Panicum nudicaule</i> Vasey</p> <p>Kartesz: <i>Dichantherium dichotomum</i> (L.) Gould var. <i>dichotomum</i>. Atlas: <i>Dichantherium nudicaule</i> (Vasey) B. F. Hanson and Wunderlin</p> <p style="text-align: right;">FL, AL, MS</p>	<p>Clewell, 136, 520-521 Hall, 281 Hitchcock and Chase, 650☼☉ Wunderlin, 101, as <i>Dichantherium dichotomum</i></p>	naked-stemmed panic grass	<p>Gramineae/ Poaceae; grass family</p>	<p>perennial with erect stems, lower internodes short, upper elongated giving stem a naked look; blades to 10 cm long and 0.8 mm wide; panicle long exserted, to 7 cm long; spikelets narrowly elongated, 2.7 to 2.9 mm long, glabrous; swamps, Bay and Santa Rosa cos.</p>
<p>60. <i>Phoebanthus tenuifolius</i> (Torrey and A. Gray) Blake</p> <p>☼☼Atlas</p> <p style="text-align: right;">endemic</p>	<p>Clewell, 319 as <i>P. tenuifolia</i> Cronquist, 46 Small, 1442, as <i>P. tenuifolia</i>☼☉ Wunderlin, 641-642</p>	pineland false sunflower	<p>Compositae/ Asteraceae; daisy family tribe: Heliantheae</p>	<p>perennial, to 1 m tall, thickened rhizomes; lower stem lvs opposite, but most alternate, simple, entire, 1-2 mm wide; head usually solitary, terminal; 10-15 ray flrs: to 4.5 cm long, not fertile; <u>disc flrs</u> perfect, disk yellow or red-purple, to 2.2 cm wide; sandy pineland near Apalachicola River; Calhoun, Gulf, Franklin and Liberty cos.; spring-summer.</p>

SCIENTIFIC NAME	REFERENCES	COMMON NAME	FAMILY	DESCRIPTIONS
61. <i>Physostegia godfreyi</i> Cantino ✠Atlas endemic	Clewell, 385 Godfrey and Wooten II, 615, 616✠☉ Wunderlin, 533	Apalachicola dragonhead Apalachicola obedience plant Godfrey's dragonhead	Labiatae/ Lamiaceae; mint family	rhizomatous perennial, to 1 m tall; lowest lvs petio- late, upper lvs bract-like, 3-6.5 cm long, elliptic, oblanceolate or lanceolate, margins rarely toothed, glabrous; raceme; calyx, pedicels and peduncles with short pointy hairs and stipitate glands; corolla tubular, to 3 cm long, rose, lower lip 3-lobed, spotted purple, purple veins inside tube; 4 nutlets pebbly-warty; bogs, pine flatwoods, savannas, ditches; Bay, Cal- houn, Franklin, Gulf, Liberty, Walton and Wakulla cos.
62. <i>Pinckneya bracteata</i> (Bartram) Raf. synonym: <i>Pinckneya pubens</i> Michaux ✠Atlas; DPI poster, plate #43; Nelson, plate #129 SC, GA, FL	Clewell, 374 Godfrey, 601, 603, 604✠☉ Godfrey and Wooten II, 714- 716✠☉ Radford <i>et al.</i> , 978-979, 980✠☉ Small, 1252-1253✠☉ Wunderlin, 581	fever tree maiden's blues Georgia bark	Rubiaceae; madder family	shrub or tree; lvs opposite, deciduous, soft hairs; calyx with 1 enlarged lobe, showy and pink (rarely yellow); corolla inconspicuous; bays, seepage swamps, hillside bogs, often with poison sumac; Bay, Calhoun, Clay, Franklin, Gadsden, Gulf, Jackson, Jefferson, Leon, Liberty, Marion, Wakulla and Washington cos.; spring.
63. <i>Pinguicula caerulea</i> Walter ✠Atlas; Bell and Taylor, p. 212; Taylor, p. 280 NC, SC, GA, FL	Clewell, 419 Godfrey and Wooten II, 675- 676✠☉ Radford <i>et al.</i> , 967 Small, 1232✠☉ Wunderlin, 564	blue butterwort	Lentibulariaceae; bladderwort family	terrestrial herb; basal rosette, lvs yellowish-green, curling upward at the tips, clammy pubescent; flr stem to 20 cm long; corolla 2.5 to 3 cm wide, deep to pale violet with darker veins; sandy to sandy-peaty soils of pine flatwoods, ditches, roadsides; Alachua, Baker, Bradford, Brevard, Charlotte, Citrus, Clay, Collier, Columbia, Dixie, Duval, Flagler, Franklin, Gichrist, Glades, Hamilton, Hardee, Hernando, Highlands, Hillsborough, Indian River, Jefferson, Lafayette, Lake, Leon, Levy, Liberty, Madison, Manatee, Marion, Martin, Nassau, Orange, Osceola, Palm Beach, Pasco, Pinellas, Polk, Putnam, St. Johns, Sarasota, Seminole, Sumter, Taylor, Union, Volusia and Wakulla cos.; Dec-May.

SCIENTIFIC NAME	REFERENCES	COMMON NAME	FAMILY	DESCRIPTIONS
64. <i>Pinguicula lutea</i> Walter ☆ Atlas; Bell and Taylor, p. 213; Taylor, p. 166 FL, NC, SC, GA, AL, MS, LA	Clewell, 419 Godfrey and Wooten II, 672-675☆ Radford <i>et al.</i> , 967☆ Small, 1232☆ Wunderlin, 564	yellow butterwort	Lentibulariaceae; bladderwort family	terrestrial herb; basal rosette, lvs yellowish-green, curling upward at tips (tips appear acuminate); clammy pubescent; flr stem to 25 cm long; corolla 2.5-3.5 wide, yellow, not veined; sandy-peaty soils, pine flatwoods, seepage bogs, ditches, roadsides; Alachua, Baker, Bay, Bradford, Brevard, Calhoun, Charlotte, Citrus, Clay, Collier, Columbia, Duval, Flagler, Franklin, Gadsden, Glades, Gulf, Hamilton, Hardee, Hernando, Highlands, Hillsborough, Indian River, Jackson, Jefferson, Lafayette, Lake, Lee, Leon, Levy, Liberty, Manatee, Marion, Martin, Nassau, Okaloosa, Okeechobee, Orange, Osceola, Pasco, Pinellas, Polk, Putnam, St. Johns, Santa Rosa, Seminole, Sumter, Volusia, Wakulla and Walton cos.; Feb-May.
65. <i>Pinguicula planifolia</i> Chapman ☆ Atlas; Bell and Taylor, p. 213 FL, AL, MS	Clewell, 420 Godfrey and Wooten II, 675-678☆ Small, 1232-1233 Wunderlin, 564	swamp butterwort flatleaf butterwort	Lentibulariaceae; bladderwort family	terrestrial herb; rosette dull red to purple, or green with reddish streaks, lvs thin, flat; flr stem to 25 cm long; corolla ca. 3 cm wide, deeply incised, violet to magenta (white), unveined; bogs, swamps, margins of peaty ponds, ditches, drainage canals; Bay, (Calhoun), Escambia, Franklin, Gulf, Jackson, Liberty, Okaloosa, Santa Rosa, Walton and Washington cos.; Feb-Apr.
66. <i>Pithecellobium keyense</i> Britton ex Britton and Rose synonym: <i>P. guadalupense</i> (Pers.) Chapman ☆ Atlas; Nelson, plate #78; Scurlock, p. 126 FL, West Indies, Mexico	Correll and Correll, 679-680☆ Isely, 9-10 Long and Lakela, 451 Small, 653☆ Wunderlin, 369	blackbead Guadeloupe blackbead ram s horn FL Keys blackbead	Leguminosae/ Fabaceae; legume family Mimosoideae, acacia subfamily	shrub or tree, to 8 m tall, usually unarmed; lvs cpd, flr stalks longer than petiole, flrets in 2 pairs, obovate to narrowly elliptic, to 5 cm long and 2.5 cm wide, notched or blunt tips, leathery; infl head-like, to 2.5 cm wide, on stalk to 3.5 cm long; corolla 4-5 mm long, whitish-yellow; numerous exserted stamens; legume twisted, curved or coiled, to 15 cm long and 1 cm wide; seeds shiny, black with red arils (edible); hammocks, pinelands, sand dunes adjacent to beaches; Broward, Dade, Martin, Monroe [incl. Keys] and Palm Beach cos.
67. <i>Platanthera blephariglottis</i> (Willd.) Lindl. synonym: <i>Habenaria blephariglottis</i> (Willd.) Hook. Atlas: <i>P. blephariglottis</i> var. <i>conspicua</i> (Nash) Luer ☆ Atlas coastal plain: NJ south to FL then west to TX	Clewell, 187 Godfrey and Wooten I, 635, 638☆ Luer, 140-142☆ Radford <i>et al.</i> , 338-339☆ Small, 369-370, as <i>Blephariglottis</i> ☆ Wunderlin, 240	white-fringed orchid plume-of-Navarre large white-fringed orchid	Orchidaceae; orchid family	terrestrial; to 1 m tall; lvs 2-4, keeled, to 35 cm long; raceme, 30-50 flrs; flrs white, fringed lip 2 cm long, spur 3-4 cm long; marshes, meadows, depressions, bogs in pine savannas; Alachua, Brevard, Calhoun, Clay, Dixie, Duval, Escambia, Franklin, Gadsden, Gilchrist, Hamilton, Highlands, Hillsborough, Holmes, Jackson, Lake, Madison, Manatee, Marion, Nassau, Okaloosa, Orange, Polk, Putnam, St. Johns, Santa Rosa, Suwannee, Wakulla, Walton and Washington cos.; Aug-Sep.

SCIENTIFIC NAME	REFERENCES	COMMON NAME	FAMILY	DESCRIPTIONS
68. <i>Platanthera ciliaris</i> (L.) Lindl. synonym: <i>Habenaria ciliaris</i> (L.) R. Br. in Aiton	Clewell, 187 Godfrey and Wooten I, 640-641☉ Luer, 138-139☉☐ Radford <i>et al.</i> , 338-339☉☐ Small, 370 Wunderlin, 240	yellow-fringed orchid orange plume	Orchidaceae; orchid family	terrestrial; to 1 m tall; lvs 2-4, keeled, to 30 cm long; raceme, 30-60 flrs; flrs orange, fringed lip 2 cm long, spur to 3.5 cm long and longer than the ovary; bogs, swamps, marshes, pine savannas, flatwoods, floodplain forests, forest slopes; Alachua, Bay, Bradford, Brevard, Calhoun, Citrus, Clay, Columbia, DeSoto, Dixie, Duval, Escambia, Flagler, Gadsden, Hernando, Highlands, Hillsborough, Jackson, Jefferson, Lake, Leon, Levy, Madison, Manatee, Nassau, Okaloosa, Orange, Pasco, Polk, Putnam, St. Johns, Santa Rosa, Sarasota, Suwannee, Union, Volusia, Walton and Washington cos.; Aug-Sep.
☉☐Atlas NY west to IL, south to AR, TX, FL				
69. <i>Platanthera cristata</i> (Michaux) Lindl. synonym: <i>Habenaria cristata</i> (Michaux) R. Br. in Aiton	Clewell, 187 Godfrey and Wooten I, 635, 639-640☉☐ Luer, 142-143☉☐ Radford <i>et al.</i> , 338, 340☉☐ Small, 369, as <i>Blephariglottis</i> ☉☐ Wunderlin, 240	crested fringed orchid orange crest orchid golden fringed orchid	Orchidaceae; orchid family	Similar to <i>P. ciliaris</i> , but the spur ½ long as ovary and raceme narrower, smaller flowers; sphagnum and sedge bogs, meadows, pine savannas, flatwoods, wet prairies, edge of swamps, seepage slopes; Alachua, Baker, Bradford, Calhoun, Clay, Columbia, Dixie, Duval, Escambia, Flagler, Franklin, Gadsden, Gulf, Hillsborough, Holmes, Leon, Liberty, Manatee, Marion, Nassau, Okaloosa, Orange, Pasco, Santa Rosa, Wakulla, Walton and Washington cos.; Jun-Sep.
☉☐Atlas; DPI poster, plate #49 MA south to FL, then west to TX				
70. <i>Platanthera flava</i> (L.) Lindl. synonym: <i>Habenaria flava</i> (L.) R. Br. in Aiton	Clewell, 187 Godfrey and Wooten I, 644-645☉☐ Luer, 149-150☉☐ Radford <i>et al.</i> , 337-338 Small, 371, as <i>Perularia</i> ☉☐ Wunderlin, 240-241	gypsy-spikes southern tubercled orchid southern rein orchid	Orchidaceae; orchid family	terrestrial; to 60 cm tall; lvs 2-3, middle of stem; raceme densely flowered; flrs yellowish-green, lip entire, with 2 small lobes at base and a tubercle near base; mud flats, floodplain swamps, meadows, swales; Citrus, Clay, Dixie, Duval, Franklin, Hernando, Jefferson, Lake, Leon, Levy, Marion, Pasco, Polk, Putnam, Sumter, Volusia and Wakulla cos.; Mar-Oct.
MD south to FL, west to TX, AR, MO, IL IN, TN and KY				
71. <i>Platanthera nivea</i> (Nutt.) Luer synonym: <i>Habenaria nivea</i> (Nutt.) Spreng.	Clewell, 187 Godfrey and Wooten I, 640, 643-644☉☐ Luer, 146-147☉☐ Radford <i>et al.</i> , 337 Small, 373, as <i>Gymnadeniopsis</i> ☉☐ Wunderlin, 237, as <i>Habenaria nivea</i>	snowy orchid bog-torch frog-spear white rein orchid	Orchidaceae; orchid family	terrestrial; to 60 cm tall; lvs 2-3 near base; flrs intensely white, lip entire and uppermost, spur 2X longer than ovary; bogs, wet pine savannas and flatwoods, wet prairies; Alachua, Baker, Bay, Bradford, Brevard, Calhoun, Charlotte, Clay, Collier, Dade, Duval, Escambia, Flagler, Franklin, Hillsborough, Holmes, Jackson, Lake, Lee, Leon, Levy, Liberty, Martin, Nassau, Orange, Osceola, Palm Beach, Pasco, Pinellas, Polk, Putnam, Santa Rosa, St. Johns, St. Lucie, Taylor, Union, Volusia, Wakulla, Walton and Washington cos.; May-Jun.
☉☐Atlas NJ, DE south to FL, west to TX, AR				

SCIENTIFIC NAME	REFERENCES	COMMON NAME	FAMILY	DESCRIPTIONS
<p>72. <i>Pogonia ophioglossoides</i> (L.) Ker-Gawl.</p> <p>☆ Atlas Canada south to FL, MN to TN southwest to TX</p>	<p>Clewell, 187 Godfrey and Wooten I, 650, 652 ☆ ⊕ Luer, 38-39 ☆ ⊕ Radford <i>et al.</i>, 342-343 ☆ ⊕ Small, 375 ☆ ⊕ Wunderlin, 241</p>	<p>rose pogonia ettercap crested ettercap rose crested orchid</p>	<p>Orchidaceae; orchid family</p>	<p>terrestrial; to 35 cm tall; lv solitary, midstem; usually 1 flr (to 3), sepals widely spread, pink (to whitish); petals curve over the column, lip to 2.5 cm long, pink, margin fringed deep reddish-rose, 3 longitudinal rows of yellow bristles; sphagnum bogs, meadows, swamps, pine savannas, pine flatwoods, prairies; Alachua, Baker, Bay, Bradford, Calhoun, Citrus, Clay, Columbia, Duval, Escambia, Flagler, Franklin, Gilchrist, Gulf, Highlands, Hillsborough, Holmes, Indian River, Jefferson, Lafayette, Lake, Lee, Leon, Levy, Liberty, Marion, Martin, Nassau, Okaloosa, Orange, Osceola, Palm Beach, Pasco, Pinellas, Polk, Putnam, Santa Rosa, Seminole, St. Johns, Union, Volusia, Wakulla, Walton and Washington cos.; Mar-May.</p>
<p>73. <i>Polygonella macrophylla</i> Small</p> <p>☆ Chafin FL, AL (1 county)</p>	<p>Clewell, 454 Small, 449 Ward, 52-53 Wunderlin, 271-272</p>	<p>large-leaved jointweed</p>	<p>Polygonaceae; buckwheat family</p>	<p>sub-shrub; to over 1 m tall; brittle stems; lvs alternate, blunt tips, entire; clusters of red flrs terminate stems; sand pine-oak scrub; Bay, Escambia, Franklin, Okaloosa, Santa Rosa, (Wakulla) and Walton cos.; Oct-Nov.</p>
<p>74. <i>Prunus myrtifolia</i> (L.) Urban</p> <p>FL, West Indies, Mexico, Central and South America</p>	<p>Correll and Correll, 575-576 ☆ ⊕ Long and Lakela, 444 Small, 651, as <i>Laurocerasus</i> ☆ ⊕ Wunderlin, 329-330</p>	<p>West Indian cherry West Indian laurel-cherry</p>	<p>Rosaceae; rose family</p>	<p>shrub or tree, to 15 m tall; bruised lvs with almond scent, elliptic to oblong-ovate, abruptly acute or acuminate, to 12 cm long, entire, glandular along margin, glossy; axillary racemes shorter than lvs; sepals minute; petals yellowish white, to 3 mm long; drupe ca. 1 cm wide, glossy black-purple; hammocks; Dade Co., fall.</p>
<p>75. <i>Psidium longipes</i> (Berg) McVaugh</p> <p>☆ Atlas; Scurlock, p. 132 FL, West Indies</p>	<p>Correll and Correll, 1052, 1054-1055 ☆ ⊕ Long and Lakela, 646-647, as <i>Myrtus</i> ☆ ⊕ Small, 937, as <i>Mosiera</i> ☆ ⊕ Wunderlin, 545</p>	<p>mangrove berry long-stalked stopper trailing eugenia Bahama stopper wild guava</p>	<p>Myrtaceae; myrtle family</p>	<p>shrub or tree, to 4 m tall, short trunk, trailing branches; lvs opposite, ovate, oval to elliptic, to 5 cm long, thick, glossy, net veined, reddish veins below; flrs usually solitary; petals nearly equal, white to pink, ca. 7 mm long; stamens numerous, white; berry on long stalk, subglobose, persistent calyx, ca. 1 cm wide, black, many seeds, edible; hammocks, pinelands; Dade and Monroe [Keys only] cos.; all year.</p>
<p>76. <i>Pteris bahamensis</i> (J. Agardh) Fée synonym: <i>P. longifolia</i> L. var. <i>bahamensis</i> (Agardh) Hieron.</p> <p>☆ Atlas FL, West Indies, Mexico, Central and South America</p>	<p>Correll and Correll, 41-42 ☆ ⊕ FNA, 133-134 Lakela and Long, 70-73 ☆ ⊕ Long and Lakela, 89 Small, ferns: 100-102, as <i>Pycnodoria bahamensis</i> Wunderlin, 42-43</p>	<p>Bahama ladder brake plumy ladder brake Bahama brake long-leaved brake</p>	<p>Pteridophyta-- Pteridaceae/ Polypodiaceae; maidenhair fern family/ polypody family</p>	<p>fern; lvs to 1 m, clustered, stiff, cpd; fllets undivided, well separated, narrow-linear, bases rounded or eared (not cordate), margins obscurely toothed; sori marginal, continuous, covered with reflexed fllet margins; limestone pockets in pine rockland, edges of hammocks; Broward, Collier, Dade, Monroe [Keys only], Palm Beach, St. Lucie cos.; all year.</p>

SCIENTIFIC NAME	REFERENCES	COMMON NAME	FAMILY	DESCRIPTIONS
77. <i>Pycnanthemum floridanum</i> Grant and Epling ✠Atlas FL and 1 county in GA	Clewell, 386 Wunderlin, 534-535	Florida mountain-mint horsemint	Labiatae/ Lamiaceae; mint family	perennial herb, much branched above middle; lvs over 3 cm long, green, glabrous, opposite; infl terminal, cymose, congested but not in a head; bracts grayish due to tiny hairs, subtend several flowers, acute to acuminate; calyx and corolla tubular; 4 functional stamens with straight separate filaments; 4 n utlets are barely attached at bases; sandhills, 2 nd pinelands; hammocks, wet pinelands; Alachua, Clay, Duval, Flagler, Hernando, Leon, Levy, Madison, Marion, Putnam, Seminole, St. Johns and Volusia cos.; Jul-Aug.
78. <i>Quercus arkansana</i> Sarg. ✠Brown and Kirkman, plate 23 FL, GA, AL, LA, AR	Clewell, 363 Godfrey, 330-332✠☉ Small, 430 Wunderlin, 256-258	Arkansas oak	Fagaceae; beech family	small tree, to 17 m tall, bark with long narrow ridges and furrows, nearly black; lvs deciduous, [resemble <i>Q. marilandica</i> , but lacks gland-like hairs on lvs], variable, obovate, unlobed to slightly 3-5-lobed at tip, to 15 cm long, a few bristles extend beyond the veins, upper surface dark green, shiny, lower surface with shaggy, tawny stellate hairs in vein axils; acorn subglobose to 1 cm long, cup holding ¼ of acorn body; mixed woodlands, well-drained soils, bayheads; Calhoun, Okaloosa, Santa Rosa and Walton cos.
79. <i>Reynosa septentrionalis</i> Urban ✠Atlas; Scurlock, p. 138 FL, West Indies	Correll and Correll, 898-899✠☉ Long and Lakela, 580 Small, 831✠☉ Wunderlin, 420	Darling plum red ironwood	Rhamnaceae; buckthorn family	shrub or tree, to 10 m tall, gray-brown bark, splitting into plates; lvs opposite, variable, oblong, ovate, to elliptic, notched at tip, margins rolled under, to 4 cm long, leathery, glabrous; axillary clusters; sepals 5 yellow-green, not crested, ca. 2 mm long; no petals; stamens 5, alternate with sepals; dupe dark purple, to 2 cm long, persistent style, edible; hammocks; Dade and Monroe [Keys only] cos.; all year.
80. <i>Rhexia salicifolia</i> Kral and Bostick FL, AL	Clewell, 432 Godfrey and Wooten II, 368-370✠☉ Wunderlin, 456	Panhandle meadow beauty	Melastomataceae; melastoma family	perennial herb, to 20 cm tall, stems 4-angled, narrowly winged, roots with tubers near ends; lvs opposite, linear, spatulate, oblong or elliptic, twisted vertically, to 4 cm long, 5 mm wide, glandular hairs on surface, margins entire; cymes; hypanthium with neck shorter than body; calyx lobes triangular; petals deep lavender-rose, to 12 mm long, glandular hairs on outside; pond margins, coastal swales; Bay, Calhoun, Leon, Okaloosa, Wakulla, Walton and Washington cos.

SCIENTIFIC NAME	REFERENCES	COMMON NAME	FAMILY	DESCRIPTIONS
81. <i>Rhynchosia parvifolia</i> DC. ✪✪Atlas FL, West Indies	Isely, 105 Small, 713✪☉ Wunderlin, 369-370	small-leaf snoutbean	Leguminosae/ Fabaceae; legume family Papilionoidae, pea subfamily	herbaceous vine, stem gray-hairy, to 3 m long; lvs trifoliolate, lflets elliptic or obovate to 2.5 cm long, leathery, glands hidden by hairs; raceme not longer than lvs; calyx 5-7 mm long; corolla yellow, gland dotted, standard to 1 cm long; legume elliptic, 1.5-1.8 cm long and 4-6 mm wide; pinelands, along trails, beaches; Dade and Monroe [Keys only] cos.; all year.
82. <i>Rhynchospora stenophylla</i> Carey ex Chapman FL, SC, NC, AL, MS	Clewell, 100 Godfrey and Wooten I, 386-387✪☉ Radford <i>et al.</i> , 210 Wunderlin, 170-175	narrow-leaved beak rush coastalplain beaksedge	Cyperaceae; sedge family	similar to <i>R. rariflora</i> . tussocked perennial, to 60 cm tall; lvs capillary, channeled, ca. ½ length flowering stem; terminal clusters to 3 cm across; spikelets 4-5 mm long, falcate, with single flr; 6 bristles as long or longer than tubercle on achene; bogs; flatwoods; Bay, Franklin, Leon, Liberty, Okaloosa, Taylor, Walton and Washington cos.
83. <i>Sachsia bahamensis</i> Urban Kartesz: <i>S. polycephala</i> Griseb. [In 1998 Rule, this species was ranked Endangered.] ✪✪Atlas FL and West Indies	Cronquist, 175, as <i>Sachsia polycephala</i> Griseb. Long and Lakela, 866 Ward, 59 Wunderlin, 646, as Kartesz	Bahama sachsia	Compositae/ Asteraceae; daisy family tribe: Inuleae.	perennial herbs; basal rosettes of serrated lvs; stems up to 6/10 m tall; several heads, no ray flrs, marginal florets ♀☉with slender, hairlike corollas, yellow; inner florets bisexual, with tubular yellow corollas; pappus a single row of slender bristles; pine rocklands; Dade and Monroe [Keys only] cos.; all year.
84. <i>Sarracenia minor</i> L. ✪✪Atlas; Bell and Taylor, p. 72; Taylor, p. 132 NC to FL	Clewell, 479 Godfrey and Wooten II, 192, 194✪☉ Radford <i>et al.</i> , 512✪☉ Small, 582-583 Wunderlin, 319-320	hooded pitcher-plant rain-hat trumpet	Sarraceniaceae; pitcher plant family	perennial herb; lvs erect, to 1 m tall, but most less than ½ m; green pitcher (turning red dish in sun) marked with white spots; hood arching over mouth; petals yellow, odorless; flatwoods, bogs, ditches; Alachua, Baker, Bradford, Clay, Columbia, Dixie, Duval, Flagler, Franklin, Gadsden, Gilchrist, Hamilton, Highlands, Hillsborough, Jefferson, Lafayette, Lake, Leon, Levy, Liberty, Madison, Marion, Nassau, Okeechobee, Orange, Osceola, Pasco, Polk, Putnam, St. Johns, Sumter, Taylor, Union, Volusia and Wakulla cos.; Mar-May and Sept.
85. <i>Sarracenia psittacina</i> Michaux ✪✪Atlas GA, FL west to LA	Clewell, 479 Godfrey and Wooten II, 192-193✪☉ Small, 581 Wunderlin, 319-320	parrot pitcher-plant	Sarraceniaceae; pitcher plant family	perennial herb; lvs evergreen, very narrow tube with wing, sprawling to erect, usually 9-28 cm long, green (reddish in sun) marked with white patches and red veined at top, hood curved (like parrot's beak); flrs high above the lvs, petals deep to bright red, faint sweet odor; flatwoods, bogs, often under water in floodtime; Baker, Bay, Calhoun, Escambia, Franklin, Gadsden, Gulf, Holmes, Jackson, Leon, Liberty, Nassau, Okaloosa, Santa Rosa, Wakulla, Walton and Washington cos.; Mar-May.

SCIENTIFIC NAME	REFERENCES	COMMON NAME	FAMILY	DESCRIPTIONS
86. <i>Sarracenia purpurea</i> L. Atlas: <i>S. rosea</i> Naczi <i>et al.</i>	Clewell, 479 Godfrey and Wooten II, 201-202☼☉ Radford <i>et al.</i> , 512☼☉ Small, 581☼☉ Wunderlin, 319-320	decumbent pitcher-plant flytrap Indian pitcher sidesaddle-plant Adam's pitcher hunter's cup devil's boots	Sarraceniaceae; pitcher plant family	perennial herb; lvs reclining, to 20 cm long, evergreen, inflated, with a prominent lateral wing, no white markings, green to purplish-red with red veins, hood erect (lets water enter); calyx dark red, petals rose pink, sweet odor with feline overtones; bogs, swamps, savannas, flatwoods; Bay, Calhoun, Escambia, Gadsden, Holmes, Liberty, Okaloosa, Santa Rosa, Walton and Washington cos.; Mar-May.
☼☼Atlas; Bell and Taylor, p. 72 (inset) Canada south to FL, MS, OH, IN, IL, IA				
87. <i>Sarracenia rubra</i> Walter Often divided into subspecies, see Godfrey and Wooten. In FL: ssp. <i>wherryi</i> and <i>gulfensis</i> .	Clewell, 479 Godfrey and Wooten II, 196, 200-201☼☉ Radford <i>et al.</i> , 512☼☉ Small, 581-582 Wunderlin, 319-320	sweet pitcher-plant red-flowered pitcher-plant	Sarraceniaceae; pitcher plant family	perennial herb; lvs erect, narrow trumpet-shaped, green to reddish, with reddish-brown veins, hood erect; flrs rise above lvs, petals red to maroon, sweet odor; stream banks, bogs, wet pinelands, seepage slopes; Escambia, Okaloosa, Santa Rosa and Walton cos.; Apr-May.
☼☼Atlas; Bell and Taylor, p. 72 NC, to FL, AL				
88. <i>Scaevola plumieri</i> (L.) Vahl note: The exotic weed, <i>S. taccada</i> (<i>S. sericea</i>), has lvs more than 10 cm long and white drupes.	Correll and Correll, 1436-1438☼☉ Long and Lakela, 820-821 Small, 1296☼☉ Wunderlin, 592	inkberry half-flower beachberry black soap mad Moll	Goodeniaceae; goodenia family	perennial herb or shrub; up to 1.5 m tall; lvs 3-6 cm long, alternate, glossy, winged stalk; corolla tube split on one side, white or pinkish, hairy inside; stigma with a cup underneath; berries black, juicy; beaches, coastal strand; Brevard, Broward, Charlotte, Collier, Dade, Hillsborough, Indian River, Lee, Manatee, Martin, Monroe [Keys only], Palm Beach, Pinellas, Sarasota and St. Lucie cos.; all year.
☼☼Atlas; Scurlock, p. 146 FL, West Indies, Central and South America				
89. <i>Senna mexicana</i> (Jacq.) Irwin and Barneby ours is var. <i>chapmanii</i> (Isely) Irwin and Barneby synonym: <i>Cassia chapmanii</i> Isely	Correll and Correll, 617-619☼☉ Long and Lakela, 458-459☼☉ Small, 662, as <i>Peirania</i> ☼☉ Wunderlin, 371-372	Chapman's sensitive plant Bahama cassia Bahama senna	Leguminosae/ Fabaceae; legume family Caesalpinioideae, cassia family	spreading or erect shrub, to 3 m tall; lvs with 4-5 pairs of leaflets, with sessile gland between lower pair, leaflets elliptic to elliptic-lanceolate, to 4 cm long; racemes axillary and terminal, 3-15 flrs; corolla golden yellow, to 3 cm wide, 5 petals unequally sized and shaped; 6 fertile anthers; legume flat, to 10 cm long and 7 mm wide, falcate, papery; seeds brown, shiny, numerous; pinelands, hammocks, coastal dunes; Dade and Monroe (Keys) cos.; all year.
☼☼Atlas; Bell and Taylor, p. 157; Scurlock, p. 39 FL, West Indies				
90. <i>Smilax havanensis</i> Jacq.	Correll and Correll, 307 Long and Lakela, 285 Small, 314 Wunderlin, 211	Everglades greenbrier prickly green brier China-brier saw-vine Chaney-vine	Smilacaceae; smilax family	woody vine, to 4+m long, angled stems, rigid prickles; lvs oval, elliptic, ovate to obovate, to 8 cm long, leathery, margins sinuate and with prickles, 3 to 5 main veins, prickles on midrib below; tepals 1.5 mm long; fruit subglobose, to 6 mm wide, black; 3 seeds, maroon red; pinelands, hammocks; Collier, Dade and Monroe [Keys only] cos.; fall.
FL, West Indies				

SCIENTIFIC NAME	REFERENCES	COMMON NAME	FAMILY	DESCRIPTIONS
<p>91. <i>Solanum donianum</i> Walpers synonyms: <i>S. blodgettii</i> Chapm.; <i>S. verbascifolium</i> L. Atlas: <i>S. donianum</i> Walpers</p> <p>☼☼Atlas; Scurlock, p. 153 FL, West Indies, Mexico</p>	<p>Correll and Correll, 1292 Long and Lakela, 756-757☼☼ Small, 1115 Wunderlin, 543-546, as <i>S. verbascifolium</i></p>	<p>potato tree mullein nightshade</p>	<p>Solanaceae; solanum family</p>	<p>shrub, to 3 m tall, stellate hairs; lvs elliptic to oblong, to 25 cm long and 7 cm wide, wavy margins; infl terminal clusters; corollas white, to 16 mm wide; berries bright red, globose, glabrous, to 6 mm wide; hammocks, lime sinks in pine-lands; Collier, Dade and Monroe [including Keys] cos.; all year.</p>
<p>92. <i>Spermacoce terminalis</i> (Small) Kartesz and Gandhi synonym: <i>Bourreria terminalis</i> Small [Wunderlin, 349, uses <i>B. terminalis</i> as synonym for <i>S. verticillata</i>; however, Kartesz lists both <i>S. terminalis</i> and <i>S. verticillata</i> L.] endemic</p>	<p>Long and Lakela, 805 Small, 1264, 1265☼☼ Wunderlin, 582-583</p>	<p>false buttonweed Everglades Key false buttonweed</p>	<p>Rubiaceae; madder family</p>	<p>perennial herb, to 30 cm tall; lvs opposite, to 3 cm long, linear-subulate to linear; infl terminal head; sepals 2 or 4; corolla tubular, 3 mm long, lobes and tube about same length, white; stamens 4, attached to corolla; capsule, 2-3 mm long; pine-lands, coastal areas; Collier, Dade, Hendry, Martin, Monroe [Keys only] and Palm Beach cos.; all year.</p>
<p>93. <i>Spiranthes laciniata</i> (Small) Ames</p> <p>☼☼Atlas NC to FL to TX</p>	<p>Clewell, 188 Godfrey and Wooten I, 668-669, as <i>S. x laciniata</i>☼☼ Luer, 96-97☼☼ Radford <i>et al.</i>, 349 Small, 381, as <i>Ibidium</i> Wunderlin, 243-244</p>	<p>lace-lip ladies' tresses lace-lip spiral orchid</p>	<p>Orchidaceae; orchid family</p>	<p>terrestrial herb; up to 60 cm tall; lvs basal or sheathing lower stem; infl up to 50 flrs in single row, spiraled; flrs white, lip yellowish and lace-like at tip; shores swamps, marshes, flatwoods, wet sandy soil; Baker, Bradford, Broward, Charlotte, Citrus, Collier, Columbia, Dade, Desoto, Escambia, Flagler, Franklin, Gulf, Lake, Lee, Levy, Liberty, Martin, Monroe [not in Keys], Okaloosa, Okeechobee, Osceola, Palm Beach, Pasco, Putnam, Santa Rosa, Seminole, St. Lucie, Sumter, Taylor, Union, Volusia and Wakulla cos.; Apr.</p>
<p>94. <i>Spiranthes longilabris</i> Lindl.</p> <p>☼☼Atlas VA to FL to TX</p>	<p>Clewell, 188 Godfrey and Wooten I, 665, 667-668☼☼ Luer, 97-98☼☼ Radford <i>et al.</i>, 348 Small, 381, as <i>Ibidium longilabre</i> Wunderlin, 243-245</p>	<p>long-lip ladies' tresses giant spiral orchid</p>	<p>Orchidaceae; orchid family</p>	<p>terrestrial herb; to 60 cm tall; lvs basal, less than 5 mm wide, wither before flowering; infl up to 30 flrs, slightly spiraled to secund; flrs to 7 mm long, whitish, gaping, lip yellowish and fringed at tip; prairies, flatwoods, marshes, sandy bogs; Broward, Charlotte, Citrus, Collier, Dade, Duval, Escambia, Flagler, Gulf, Highlands, Hillsborough, Lee, Levy, Liberty, Manatee, Nassau, Okaloosa, Orange, Osceola, Polk, Santa Rosa and Sarasota cos.; Nov-Dec.</p>
<p>95. <i>Spiranthes tuberosa</i> Raf. synonym: <i>Spiranthes grayi</i> Ames</p> <p>MA south to FL, west to IL, MO, AR, TX</p>	<p>Clewell, 188 Luer, 105, 107☼☼ Radford <i>et al.</i>, 34, 348☼☼ Small, 381, as <i>Ibidium beckii</i> Wunderlin, 243-245</p>	<p>little pearl-twist little ladies' tresses</p>	<p>Orchidaceae; orchid family</p>	<p>terrestrial herb; to 30 cm tall; lvs 2 or 3, basal; infl up to 30 flrs in single rank, spiraled or secund on very slender stem; flrs to 3 mm long, snow white; dry acid soil, open pine-palmetto woods, pine flatwoods; Alachua, Bradford, Citrus, Dixie, Escambia, Gadsden, Hardee, Hernando, Highlands, Indian River, Jackson, Jefferson, Lafayette, Lake, Lee, Leon, Liberty, Madison, Marion, Orange, Pinellas, Putnam, Santa Rosa, Sarasota, Suwannee and Washington cos.; Jun.</p>

SCIENTIFIC NAME	REFERENCES	COMMON NAME	FAMILY	DESCRIPTIONS
<p>96. <i>Stenorrhynchos lanceolatus</i> (Aubl.) L.C. Rich. Kartesz: <i>Spiranthes lanceolata</i> (Aubl.) Léon See also, L. A. Garay s 1980 publ. in Botanical Museum Leaflets (Harvard) 28(4): 302 ff</p> <p>FL, West Indies, Mexico, Central and South America</p>	<p>Correll and Correll, 394-395☉☉ Luer, 117-122☉☉ Small, 183-184 Wunderlin, 242, as <i>Sacoila lanceolata</i> var. <i>lanceolata</i></p>	<p>leafless beaked orchid terra-cotta orchid</p>	<p>Orchidaceae; orchid family</p>	<p>terrestrial; to 60 cm tall; lvs 4-6, basal, may disappear at flowering; infl up to 30 flrs, long stalk; flrs reddish, column long and beaked; open pastures, roadside, wet pine flatwoods, sandhills; Alachua, Baker, Bradford, Brevard, Charlotte, Citrus, Collier, Dade, DeSoto, Flagler, Gades, Hardee, Hendry, Highlands, Hillsborough, Indian River, Lake, Lee, Marion, Okeechobee, Orange, Osceola, Palm Beach, Pasco, Pinellas, Polk, Sarasota, Seminole, St. Lucie, Volusia and Walton cos.; Apr-Jul.</p>
<p>97. <i>Swietenia mahagoni</i> (L.) Jacq. [In 1998 Rule, this species was ranked as Endangered.] ☉☉Atlas; Bell and Taylor, p. 130; Saurlock, p. 159 FL, West Indies, Central and South America</p>	<p>Correll and Correll, 754☉☉ Long and Lakela, 521☉☉ Small, 765 Wunderlin, 387</p>	<p>mahogany West Indian mahogany Madeira redwood</p>	<p>Meliaceae; mahogany family</p>	<p>tree; up to 25 m tall; lvs alternate, cpd, mostly 4-8 lflets; flrs white, 3-4 mm long, many in open cluster; maritime and rockland hammocks; Dade and upper Keys, escaping to Broward, Collier and Monroe cos.</p>
<p>98. <i>Tectaria heracleifolia</i> (Willd.) L. Underw. ☉☉Chafin FL, TX, Mexico, West Indies, Central and South America</p>	<p>Correll and Correll, 44, 46 FNA, 303 Lakela and Long, 159-160☉☉ Long and Lakela, 103 Small, ferns: 204-206☉☉ Wunderlin, 56-57</p>	<p>broad halberd fern halberd fern</p>	<p>Pteridophyta-- Dryopteridaceae/ Polypodiaceae/ Aspidaceae; fern families.</p>	<p>fern; lvs 40-60 cm long, once compound, lower lflets with large acuminate lobes at base; sori in two rows between the lateral veins, peltate covering over spores; rockland hammocks; Broward, Citrus, Dade, Hernando, Martin and Palm Beach cos.; all year.</p>
<p>99. <i>Tephrosia mohrii</i> (Rydberg) Godfrey synonym: <i>Cracca mohrii</i> Rydberg endemic</p>	<p>Clewell, 414 Isely, 189, as part of <i>T. virginiana</i> (L.) Pers. Small, 706, as <i>Cracca mohrii</i> Wunderlin, 374-375, as part of <i>T. virginiana</i></p>	<p>pinelands hoary pea</p>	<p>Leguminosae/ Fabaceae; legume family Papilionoidae, pea subfamily</p>	<p>perennial herb; lvs with 13-23 lflets, narrowly elliptic, margins entire, usually less than 15 mm long, with appressed hairs; racemes terminal (Clewell), solitary or clustered in lf axils (Isely); calyx teeth lance-ovate or cuspidate; corolla yellowish and rose tinged; monadelphous stamens; sandhills; Okaloosa and Walton cos.; Apr.</p>
<p>100. <i>Tetrazygia bicolor</i> (P. Mill.) Cogn. ☉☉Atlas; Bell and Taylor, p. 179; Nelson, plate #89 FL, Cuba</p>	<p>Correll and Correll, 1055-1056☉☉ Long and Lakela, 650-651 Small, 927☉☉ Wunderlin, 457</p>	<p>tetrazygia Florida clover-ash</p>	<p>Melastomataceae; melastoma family</p>	<p>shrub or small tree; lvs with 3 conspicuous veins and lateral connecting veins, scurfy beneath; infl terminal; flrs white, 6-8 mm long; anthers curve; berry purplish to blackish; rockland hammocks, pinelands, disturbed areas; Dade and (Monroe) cos.; May-Aug.</p>
<p>101. <i>Thelypteris augescens</i> (Link) Munz and I.M. Johnston FL, West Indies, Mexico, Central America</p>	<p>Correll and Correll, 48-49 FNA, 214 Lakela and Long, 140, 142☉☉ Long and Lakela, 101 Small, ferns: 238-241☉☉ Wunderlin, 49-50</p>	<p>abrupt-tipped maiden fern</p>	<p>Pteridophyta-- Thelypteridaceae/ Polypodiaceae/ Aspidaceae; marsh fern family/ polypody family</p>	<p>fern; similar to <i>T. kunthii</i> (southern shield fern), but firmer texture, scales on the rootstock with hairs, persistent scales on lower surface of rachis, narrower lflets, blade narrowing abruptly into pinnatifid apex; hammocks, sides of lime sinks, abandoned phosphate mines; (Collier), Dade, (Levy) and Monroe [Keys only] cos.</p>

SCIENTIFIC NAME	REFERENCES	COMMON NAME	FAMILY	DESCRIPTIONS
102. <i>Tillandsia balbisiana</i> J.A. and J.H. Schultes ✪✪Atlas FL, West Indies, Mexico, Central and South America	Correll and Correll, 278-279 Long and Lakela, 267 Small, 271 Wunderlin, 193-194	inflated wildpine reflexed wildpine an air plant northern needleleaf	Bromeliaceae; pineapple family	epiphyte; to 65 cm tall; lvs basal rosette, slightly bulbous, gray (due to appressed scales), 1 cm wide at base, tapering, tips recurved and twisted; infl to 20 cm long, bracts often bright red, petals violet; hammocks, cypress swamps, pineland, scrub; Broward, Charlotte, Collier, Dade, DeSoto, Glades, Hendry, Highlands, Hillsborough, Indian River, Lee, Martin, Monroe [including Keys], Okeechobee, Osceola, Palm Beach, Polk and St. Lucie cos.; fall.
103. <i>Tillandsia flexuosa</i> Sw. [In the 1998 Rule, this species was ranked Endangered.] ✪✪Atlas FL, West Indies, Panama, South America	Correll and Correll, 281, 283✪✪ Long and Lakela, 265, 266✪✪ Small, 271, as <i>T. aloifolia</i> Ward, 116-117✪ Wunderlin, 193-195	twisted air plant banded air plant flexuous wild-pine	Bromeliaceae; pineapple family	epiphyte; to 70 cm tall; rosette of lvs; lvs pale gray, with broad white bands, narrowly triangular with twisted tips; floral axis flexuous (=zig-zag), angled, floral bracts spreading; flrs to 4 cm long, rose or purple petals; shell ridges or mounds, hammock, swamps, mangrove, pinelands, scrub; Broward, Charlotte, Collier, Dade, Hendry, Highlands, Lee, Martin, Monroe [including Keys] and Palm Beach cos.; spring-summer.
104. <i>Tillandsia valenzuelana</i> A. Rich. Kartesz and Atlas: <i>T. variabilis</i> Schlecht. FL, West Indies, Mexico, Central and South America	Correll and Correll, 285 Long and Lakela, 265 Small, 271 Wunderlin, 194-195, as Kartesz	soft-leaved wildpine leatherleaf airplant	Bromeliaceae; pineapple family	epiphyte; to 50 cm tall; lvs basal urn-shaped rosette, soft, gray-silvery (dense, fine scales), outer lvs to 3 cm wide at base, channelled, attenuate tips; infl with reddish bracts, petals violet; hammocks, swamps; Broward, Collier, Dade, Hendry, Martin, Monroe [including Keys] and Okeechobee cos.; fall.
105. <i>Tipularia discolor</i> (Pursh) Nutt. ✪✪Atlas MA south to FL and TX	Clewell, 188 Luer, 248-249✪✪ Radford <i>et al.</i> , 352, 353✪✪ Small, 387 Wunderlin, 245	crane-fly orchid elfin spur crippled crane-fly orchid	Orchidaceae; orchid family	terrestrial; to 60 cm tall; lv solitary, flush with leaf litter, not present at flowering, purple-red on lower surface, dark green above; terminal raceme, flrs widely spaced; flrs pale, mottled green, pink, maroon and gray, like "crippled crane-flies" with asymmetric long petals, sepals and spur; rich woods, bluffs, floodplains; Alachua, Columbia, Escambia, Gadsden, Holmes, Jackson, Jefferson, Leon, Marion, Okaloosa, Santa Rosa, Suwannee and Walton cos.; Aug.
106. <i>Tragia saxicola</i> Small ✪✪Atlas endemic	Long and Lakela, 556 Small, 788 Wunderlin, 408	rocklands noseburn pineland noseburn	Euphorbiaceae; spurge family	perennial with stinging hairs; stems slender and wiry, to 20 cm tall; lvs ovate to rounded, not lobed, 1-3 cm long, toothed, bases squared or heart-shaped; flrs not in involucre (as poinsettia has), sepals present; pine rocklands; Dade and Monroe [Keys only] cos.; Jun-Nov.

SCIENTIFIC NAME	REFERENCES	COMMON NAME	FAMILY	DESCRIPTIONS
107. <i>Triphora trianthophora</i> (Swartz) Rydb. ex Britton Atlas: <i>T. trianthophora</i> (Sw.) Rydb.	Luer, 48-49☞☞ Radford <i>et al.</i> , 341☞☉ Small, 388 Wunderlin, 246	three-birds orchid nodding etter-cap nodding pogonia	Orchidaceae; orchid family	terrestrial; to 25 cm tall; lvs 2-8, alternate, sheathing, to 1.5 cm long; flrs axillary in upper lvs, 1 to 6; flrs last only 1 day, nodding, pink and white; hammocks, rich woods; Alachua, Citrus, Columbia, Hernando, Highlands, Lake, Levy, Marion, Orange and Suwannee cos.; Jul-Nov.
☞☞Atlas ME, WI, south to FL, TX				
108. <i>Tripsacum floridanum</i> Porter ex Vasey endemic	Hall, 400 Hitchcock and Chase, 792☞☉ Long and Lakela, 202 Small, 37☞☉ Wunderlin, 138	Florida gamagrass Florida tipsacum	Gramineae/ Poaceae; grass family	perennial, clumped grass; similar to <i>T. dactyloides</i> except smaller: less than 1 m tall; lf without auricles at the base, blade less than 8 mm wide; ♀ spikelets terminal, ♀ spikelets single at each joint, sunken into the rachis, bony; pine rockland; Collier, Dade and Monroe [Keys only] cos.; Jan-Jul.
☞☞Atlas endemic				
109. <i>Verbesina chapmanii</i> J.R.Coleman endemic	Clewell, 329 Cronquist, 48 Small, 1444, as <i>Phaethusa pauciflorum</i> Ward, 120-121☞☉ Wunderlin, 652	Chapman crownbeard Chapman's crownbeard	Compositae/ Asteraceae; daisy family tribe: Heliantheae	perennial; lvs opposite, not decurrent; flrs in solitary head, disc flrs only, yellowish-orange; wet flatwoods, seepage slope, with wiregrass; Bay, Franklin, Gulf, Liberty, (Wakulla), Walton and Washington cos.; May-Aug.
☞☞Atlas endemic				
110. <i>Xyris scabrifolia</i> Harper GA, FL	Clewell, 199 Godfrey and Wooten I, 493, 494☞☉ Small, 254 Wunderlin, 187-190	Harper's yellow-eyed-grass	Xyridaceae; yellow-eyed-grass family	herb; lvs 2-70 cm long, narrow; flr stalk taller than lvs; lateral sepals inside bracts; 3 yellow petals; seepage slope, wet prairie, bog; Bay, Calhoun, Escambia, Franklin, Gulf, Holmes, Jackson, Leon, Liberty, Okaloosa, Santa Rosa, Wakulla and Walton cos.; Aug-Sep.
111.. <i>Zephyranthes atamasco</i> (L.) Herbert Kartesz has variant spelling: <i>Z. atamasca</i>	Clewell, 68 Godfrey and Wooten I, 598, 600 Radford <i>et al.</i> , 320, 321☞☉ Small, 320, as <i>Atamasco atamasco</i> ☞☉ Wunderlin, 219-210	rainlily atamasco lily Easter-lily	Amaryllidaceae; amaryllis family Or, Liliaceae; lily family	perennial herbs, tunicated bulbs, to 30 cm tall; lf sheaths overlapping, lvs linear, to 45 cm long and 4 mm wide, concave, but not grooved; flrs solitary, terminal, 6 tepals, tepals to 8 cm long, white fading pinkish, spread open, stigmas above anthers; low ground, rich, moist woods, wet pastures and meadows, limestone out-crops in woods; [Reported from: Alachua, Baker, Bradford, Citrus, Clay, Columbia, Dixie, Flagler, Gilchrist, Highlands, Hillsborough, Holmes, Jefferson, Lafayette, Lake, Madison, Manatee, Marion, Osceola, Pasco, Pinellas, Polk, Sumter, Taylor, Union and Volusia cos.] Atlas: Duval, Escambia, Gadsden, Hamilton, Hernando, Jackson, Leon, Liberty, Nassau, Putnam, St. Johns, Suwannee, Wakulla and Walton cos.; spring.
☞☞Bell and Taylor, p. 18; Taylor, p. 38; DPI poster, plate #6 VA to FL to MS				

SCIENTIFIC NAME	REFERENCES	COMMON NAME	FAMILY	DESCRIPTIONS
112. <i>Zephyranthes simpsonii</i> Chapman ☆ Atlas endemic, except for Horry Co., SC	Godfrey and Wooten I, 600 Radford <i>et al.</i> , 320 Small, 320-321, as <i>Atamasco simpsonii</i> ☆ Wunderlin, 219-220	Simpson's zephyr-lily rainlily redmargin zephyrlily	Amaryllidaceae; amaryllis family Or, Liliaceae; lily family	as <i>Z. atamasco</i> , except tepals not fully open and stigma at or below anthers; wet pinelands and pastures, adjacent roadsides; Brevard, Collier, DeSoto, (Flagler), Hardee, Hernando, (Highlands), Hillsborough, Lee, Levy, Manatee, Marion, Martin, Okeechobee, Orange, Osceola, Palm Beach, Pinellas, Polk, (Sarasota), (Seminole) and Volusia cos.; spring.
113. <i>Zephyranthes treatiae</i> S. Watson Kartesz and Atlas: <i>Z. atamasca</i> var. <i>treatiae</i> (S. Watson) Meerow ☆ Atlas GA, FL	Clewell, 68 Godfrey and Wooten I, 600 Small, 321, as <i>Atamasco treatiae</i> Wunderlin, 219-220	Treat's zephyr-lily Easter-lily Treat's rainlily	Amaryllidaceae; amaryllis family Or, Liliaceae; lily family	as <i>Z. atamasco</i> , except lvs nearly cylindrical, to 2 mm wide, not grooved; wet pine flatwoods, fire maintained., adjacent roadsides; Alachua, (Baker), Bradford, Clay, (Columbia), Dixie, Duval, (Gadsden), Gilchrist, (Hamilton), Hernando, Highlands, Hillsborough, Jefferson, Lake, (Madison), Marion, Osceola, Pasco, Pinellas, Polk, Sarasota, St. Johns, Sumter, Taylor, Volusia and Wakulla cos.; spring.

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5 PRESERVATION OF NATIVE FLORA OF FLORIDA
REGULATED PLANT INDEX: III. **COMMERCIALY EXPLOITED PLANT LIST**

Florida Department of Agriculture and Consumer Services, Division of Plant Industry, Rule Chapter 5B-40

SCIENTIFIC NAME	REFERENCES	COMMON NAME	FAMILY	DESCRIPTIONS
1. <i>Encyclia tampensis</i> (Lindl.) Small ☞☞ Taylor, p. 301; DPI poster, plate #53 FL and West Indies	Correll and Correll, 363-364 Long and Lakela, 332 Luer, 196-199☞☞ Small, 391-392☞☞ Wunderlin, 235	Florida butterfly orchid	Orchidaceae; orchid family	epiphyte; pseudobulbs dark green, to 7 cm long; lvs 1 to 3, linear-lanceolate, to 40 cm long and 2 cm wide, keeled; fls yellow-green, or brownish, whitish, purplish, lip usually whitish with magenta spot or stripes, numerous, lip 3-lobed, size variable; mangrove, cypress and hardwood swamps and hammocks; Levy, Lake and Flagler cos. southward; June-July, all year.
2. <i>Epidendrum conopseum</i> R.Br. ex Aiton ☞☞ Bell and Taylor, p. 30 NC, SC, GA, AL, MS, LA, FL, Mexico	Clewell, 185 Luer, 208-209☞☞ Radford <i>et al.</i> , 352-353☞☞ Small, 391, as <i>Amphiglottis</i> ☞☞ Wunderlin, 236	green-fly orchid	Orchidaceae; orchid family	epiphyte; stems to 30 cm; lvs w to 3, to 10 cm long and 15 mm wide; fls yellow-green, suffused with purple, column slender; cypress and hardwood swamps, moist hammocks; Escambia to Duval, south to Manatee, Hardee, Highlands and Brevard cos.; all year.
3. <i>Lycopodium cernuum</i> L. FNA uses: <i>Palhinhaea cernua</i> (L.) Vasc. and Franco <i>Lycopodiella cernua</i> (L.) Semoli-Pichi SC, GA, AL, MS, LA, FL; tropics of both hemispheres; New Zealand, Japan, Cape Province, Azores	Clewell, 42 FNA, 33 Lakela and Long, 19,20☞☞ Long and Lakela, 64-65 Small: ferns, 418-421☞☞ Wunderlin, 34	nodding club-moss staghorn clubmoss [probably the world's most abundant club-moss, according to FNA]	Pteridophyta-- Lycopodiaceae; club-moss family	resembles a tiny Christmas tree; horizontal stems with spaced needle-like lvs, upright stems to 45 cm, lvs to 2.5 mm long, upcurved at tips; cones on tips of branches, nodding, to 8 mm long and 2 mm wide; wet depressions, ditches, moist areas; Escambia to Duval, south to Monroe and Broward cos.
4. <i>Osmunda cinnamomea</i> L. ☞☞ Bell and Taylor, p.4 N.B., Nfld, N.S., Ont., PEI Que.; ME south to FL, west to MN, IA, MO, TX; West Indies, Mexico, Central and South America, Asia	Clewell, 44 FNA, 108 Lakela and Long, 45-46☞☞ Small: ferns, 342-344☞☞ Wunderlin, 38	cinnamon fern	Pteridophyta-- Osmundaceae; royal fern family	Lvs erect, to 1.5 m tall; pinnately cpd, pinnae with tuft of hair at base; fertile fronds separate and with clusters of cinnamon colored sporangia; swamps and wetlands; Escambia to Duval, south to Broward and Collier cos.
5. <i>Osmunda regalis</i> L. var. <i>spectabilis</i> (Willd.) A. Gray ☞☞ Bell and Taylor, p. 4 N.B., Nfld, N.S., Ont., PEI Que.; ME south to FL, west to MN, IA, MO, OK, TX (NOTE: 3 (or 4) other varieties have wider distribution.)	Clewell, 44 FNA, 109 Lakela and Long, 47,48☞☞ Small: ferns, 340-342☞☞ Wunderlin, 38	royal fern flowering-fern snake-fern king's fern osmunde royale	Pteridophyta-- Osmundaceae; royal fern family	Lvs erect, to 1.5 m tall; twice pinnately cpd, no tufts at base of pinnae, pinnae quite separate from each other; fertile pinnae occur at tips of fronds; swamps and wetlands; Escambia to Duval, south to Monroe and Dade cos.

☞☞ = line drawing.
☞☞☞ = photograph.

<p>6. <i>Rhapidophyllum hystrix</i> (Pursh) Wendl. and Drude</p> <p style="text-align: right;">SC, GA, AL, MS, FL</p>	<p>Clewell, 189 Godfrey, 78-80☉ Small, 243☉ Wunderlin, 181</p>	<p>needle palm blue-palmetto vegetable porcupine</p>	<p>Palmae/ Arecaceae; palm family</p>	<p>Underground stems; lvs palmate, silvery below, petioles with long slender needles; fruits cluster amid the petioles and needles; river bluffs, ravine slopes, hammocks, bottomlands; Escambia to Volusia, south to Highlands and Manatee cos.</p>
<p>7. <i>Rhododendron canescens</i> (Michaux) Sweet</p> <p>☉☉Bell and Taylor, p. 84; Taylor, p. 227 DE, MD, south to FL, west to TX, OK, AR, TN</p>	<p>Clewell 351, Godfrey 264-265☉ Radford <i>et al.</i>, 799-800 Small, 995 Wunderlin, 478</p>	<p>pink azalea southern pinxterbloom Piedmont azalea bush honeysuckle hoary azalea</p>	<p>Ericaceae; heath family</p>	<p>Shrub to 5 m tall; lvs deciduous, 4-10 cm long, soft pubescent beneath; flrs appear before (or with) new leaves, fragrant, hairy, corollas 2.5-4.5 cm long, pink to whitish, 5 stamens about 3 times longer than the tubes; wet to well-drained woodlands with acidic soil; Escambia to Duval, Alachua and Marion cos.; spring.</p>
<p>8. all native species of <i>Zamia</i> [=<i>Zamia pumila</i> L.]</p> <p>☉☉Bell and Taylor, p. 6 2 counties in GA, FL, West Indies</p>	<p>Clewell, 54 Correll and Correll, 58-60☉ Godfrey, 66-68☉ Long and Lakela, 108-110 Small, 1-2☉ Wunderlin, 61</p>	<p>coontie wild sago FL-arrowroot contis compties comfort-root Bay-rush</p>	<p>Gymnospermae-- Cycadopsida: Zamiaceae; cycad family</p>	<p>Separate ♀ and ♂ plants; stem underground; lvs evergreen, pinnately cpd, circinate in bud, leathery and stiff; ♀ cones 6-10 cm (sometimes to 20 cm) tall, scale faces 1-3 cm wide, 2 orange or red seeds per scale; well-drained sandy or loamy soils; Dade, Monroe, north to Dixie, Suwannee and St. Johns cos.</p>

IV. Family Affiliation of species on the REGULATED PLANT INDEX of September 2000.

LICHENS:

1 endangered: *Cladonia perforata*

PTERIDOPHYTA:

45 endangered: *Adiantum melanoleucum*, *Adiantum tenerum*, *Anemia wrightii*, *Asplenium auritum*, *Asplenium monanthes*, *Asplenium pumilum*, *Asplenium serratum*, *Asplenium trichomanes-dentatum*, *Asplenium verecundum*, *Blechnum occidentale*, *Campyloneurum angustifolium*, *Campyloneurum costatum*, *Campyloneurum latum*, *Cheilanthes microphylla*, *Ctenitis sloanei*, *Ctenitis submarginalis*, *Dennstaedtia bipinnata*, *Isoetes engelmannii*, *Lomariopsis kunzeana*, *Lycopodium dichotomum*, *Microgramma heterophylla*, *Neurodium lanceolatum*, *Ophioglossum palmatum*, *Pecluma dispersa*, *Pecluma plumula*, *Pecluma ptilodon*, *Pellaea atropurpurea*, *Pleopeltis astrolepis*, *Schizaea gemanii*, *Selaginella eatonii*, *Sphenomeris clavata*, *Tectaria coriandrifolia*, *Tectaria fimbriata*, *Thelypteris grandis*, *Thelypteris patens*, *Thelypteris reptans*, *Thelypteris reticulata*, *Thelypteris sclerophylla*, *Thelypteris serrata*, *Trichomanes holopterum*, *Trichomanes krausii*, *Trichomanes lineolatum*, *Trichomanes punctatum*;
6 threatened: *Acrostichum aureum*, *Athyrium filix-femina*, *Nephrolepis biserrata*, *Pteris bahamensis*, *Tectaria heracleifolia*, *Thelypteris augescens*;
3 commercially-exploited: *Lycopodium cernuum*, *Osmunda cinnamomea*, *Osmunda regalis*.

GYMNOSPERMAE:

TAXACEAE:

2 endangered: *Taxus floridana*, *Torreya taxifolia*.

ZAMIACEAE:

1 commercially-exploited: all native species of *Zamia* (coontie).

ANGIOSPERMAE:

ACANTHACEAE:

3 endangered: *Justicia cooleyi*, *Justicia crassifolia*, *Ruellia noctiflora*.

AGAVACEAE: see DRACAENACEAE. (Sometimes placed in Liliaceae.)

AMARANTHACEAE:

1 endangered: *Celosia nitida*.

AMARYLLIDACEAE: (Sometimes placed in Liliaceae.)

2 endangered: *Hymenocallis godfreyi*, *Hymenocallis henryae*;
3 threatened: *Zephyranthes atamasco*, *Z. simpsonii*, *Z. treatiae*.

ANACARDIACEAE:

1 endangered: *Rhus michauxii*.

ANNONACEAE:

3 endangered: *Asimina tetramera*, *Deeringothamnus pulchellus*, *Deeringothamnus rugelii*.

APIACEAE: see UMBELLIFERAE

APOCYNACEAE:

1 endangered: *Vallesia antillana*;
1 threatened: *Angadenia berteroi*.

AQUIFOLIACEAE:

2 threatened: *Ilex amelanchier*, *Ilex krugiana*.

ARECACEAE: See PALMAE

ARISTOLOCHIACEAE:

2 endangered: *Aristolochia pentandra*, *Aristolochia tomentosa*;
1 threatened: *Hexastylis arifolia*.

ASCLEPIADACEAE:

6 endangered: *Asclepias curtissii*, *Matelea alabamensis*, *Matelea baldwyniana*, *Matelea flavidula*, *Matelea floridana*, *Matelea pubiflora*;
3 threatened: *Asclepias viridula*, *Cynanchum blodgettii*, *Matelea gonocarpos*.

ASTERACEAE: See COMPOSITAE

BORAGINACEAE:

8 endangered: *Borreria cassinifolia*, *Borreria radula*, *Borreria succulenta*, *Cordia globosa*, *Cynoglossum virginianum*, *Heliotropium fruticosum*, *Tournefortia gnaphalodes*, *Tournefortia hirsutissima*.

BRASSICACEAE: see CRUCIFERAE

BROMELIACEAE:

7 endangered: *Catopsis berteroniana*, *Catopsis floribunda*, *Catopsis nutans*, *Guzmania monostachia*, *Tillandsia fasciculata*, *Tillandsia pruinosa*, *Tillandsia utriculata*;
3 threatened: *Tillandsia balbisiana*, *Tillandsia flexuosa*, *Tillandsia valenzuelana*.

BURMANNIACEAE:

1 endangered: *Burmannia flava*.

BUXACEAE:

1 endangered: *Pachysandra procumbens*.

- CACTACEAE:
7 endangered: *Cereus eriophorus*, *Cereus gracilis*, *Cereus robinii*, *Opuntia spinosissima*, *Opuntia triacantha*, *Pilosocereus bahamensis*, *Rhipsalis baccifera*;
2 threatened: *Cereus pentagonus*, *Opuntia stricta*.
- CAESALPINACEAE: See LEGUMINOSAE
- CALYCANTHACEAE:
1 endangered: *Calycanthus floridus*.
- CAMPANULACEAE: (Sometimes in Lobeliaceae.)
1 endangered: *Campanula robiniae*;
1 threatened: *Lobelia cardinalis*.
- CANELLACEAE:
1 endangered: *Canella winterana*.
- CARYOPHYLLACEAE:
4 endangered: *Minuartia godfreyi*, *Paronychia chartacea*, *Silene polypetala*, *Silene virginica*.
- CELASTRACEAE:
3 endangered: *Euonymus atropurpurea*, *Gyminda latifolia*, *Schaefferia frutescens*;
3 threatened: *Crossopetalum illicifolium*; *Crossopetalum rhacoma*, *Maytenus phyllanthoides*.
- CISTACEAE:
2 endangered: *Lechea divaricata*, *Lechea lakelae*;
1 threatened: *Lechea cernua*.
- CLUSIACEAE: see GUTTIFERAE.
- COLCHICACEAE:
1 endangered: *Uvularia floridana*. Often placed in LILIACEAE, or UVULARIACEAE.
- COMPOSITAE:
25 endangered: *Ageratum littorale*, *Aster hemisphericus*, *Aster spinulosus*, *Baccharis dioica*, *Balduina atropurpurea*, *Bigelowia nuttallii*, *Brickellia cordifolia*, *Brickellia mosieri*, *Chrysopsis cruiseana*, *Chrysopsis floridana*, *Chrysopsis godfreyi*, *Coreopsis integrifolia*, *Echinacea purpurea*, *Eupatorium frustratum*, *Hasteola robertiorum*, *Helianthus carnosus*, *Koanophyllon villosum*, *Liatris ohlingeriae*, *Liatris provincialis*, *Marshallia obovata*, *Marshallia ramosa*, *Pityopsis flexuosa*, *Polymnia laevigata*, *Rudbeckia nitida*, *Vernonia blodgettii*;
8 threatened: *Cacalia diversifolia*, *Chaptalia albicans*, *Garberia heterophylla*, *Hartwrightia floridana*, *Melanthera parvifolia*, *Phoebanthus tenuifolius*, *Sachsia bahamensis*, *Verbesina chapmanii*.
- CONVALLARIACEAE:
1 endangered: *Medeola virginiana*. Often placed in LILIACEAE.
- CONVOLVULACEAE:
10 endangered: *Bonamia grandiflora*, *Calystegia catesbaeiana*, *Evolvulus convolvuloides*, *Evolvulus grisebachii*, *Ipomoea microdactyla*, *Ipomoea tenuissima*, *Jacquemontia havanensis*, *Jacquemontia pentanthos*, *Jacquemontia reclinata*, *Stylisma abdita*;
1 threatened: *Jacquemontia curtissii*.
- CORNACEAE:
1 endangered: *Cornus alternifolia*.
- CROOMIACEAE:
1 endangered: *Croomia paucifolia*.
- CRUCIFERAE:
3 endangered: *Arabis canadensis*, *Warea amplexifolia*, *Warea carteri*.
- CUCURBITACEAE:
1 endangered: *Cucurbita okechobeensis*.
- CYPERACEAE:
8 endangered: *Carex chapmanii*, *Carex microdonta*, *Cyperus floridanus*, *Cyperus fuliginosus*, *Eleocharis rostellata*, *Remirea maritima*, *Rhynchospora crinipes*, *Scleria lithosperma*;
2 threatened: *Carex baltzellii*, *Rhynchospora stenophylla*.
- DRACAENACEAE: Often placed in AGAVACEAE.
1 endangered: *Nolina brittoniana*
1 threatened: *Nolina atopocarpa*.
- DROSERACEAE:
1 endangered: *Drosera filiformis*;
1 threatened: *Drosera intermedia*.
- ERICACEAE:
4 endangered: *Epigaea repens*, *Monotropa hypopithys*, *Monotropsis reynoldsiae*, *Rhododendron alabamense*, *Rhododendron austrinum*, *Rhododendron chapmanii*;
1 threatened: *Kalmia latifolia*;
1 commercially-exploited: *Rhododendron canescens*.
- ERIOCAULACEAE:
1 endangered: *Eriocaulon nigrobracteatum*.
1 threatened: *Lachnocaulon digynum*.
- EUPHORBIACEAE:
13 endangered: *Argythamnia blodgettii*, *Chamaesyce cumulicola*, *Chamaesyce deltoidea*, *Chamaesyce garberi*, *Chamaesyce porteriiana*, *Croton humilis*, *Drypetes diversifolia*, *Euphorbia commutata*, *Euphorbia telephioides*, *Hippomane mancinella*, *Phyllanthus leibmannianus*, *Poinsettia pinetorum*, *Savia bahamensis*;
3 threatened: *Chamaesyce pergamena*, *Drypetes lateriflora*, *Tragia saxicola*.
- FABACEAE: see LEGUMINOSAE
- FAGACEAE:
1 threatened: *Quercus arkansana*.
- GENTIANACEAE:
2 endangered: *Gentiana pennelliana*, *Leiphaimos parasitica*.
- GOODENIACEAE:
1 threatened: *Scaevola plumieri*.
- GRAMINEAE:
9 endangered: *Aristida simpliciflora*, *Cenchrus brownii*, *Ctenium floridanum*, *Digitaria pauciflora*, *Eragrostis tracyi*, *Panicum abscissum*, *Schizachyrium niveum*, *Schizachyrium sericatum*, *Setaria chapmanii*;
6 threatened: *Andropogon arctatus*, *Calamovilfa curtissii*, *Coelorachis tuberculosa*, *Digitaria dolichophylla*,

Panicum nudicaule, *Tripsacum floridanum*.

GROSSULARIACEAE:

1 endangered: *Ribes echinellum*.

GUTTIFERAE:

3 endangered: *Hypericum cumulicola*, *Hypericum edisonianum*, *Hypericum lissophloeus*.

HYDRANGEACEAE:

1 endangered: *Hydrangea arborescens*.

HYPERICACEAE: see GUTTIFERAE

ILLICIAEAE:

1 endangered: *Illicium parviflorum*,

IRIDACEAE:

2 endangered: *Nemastylis floridana*, *Sphenostigma coelestinum*.

JUNCACEAE:

1 endangered: *Juncus gymnocarpus*.

LABIATAE:

16 endangered: *Conradina brevifolia*, *Conradina etonia*, *Conradina glabra*, *Dicerandra christmanii*, *Dicerandra cornutissima*, *Dicerandra frutescens*, *Dicerandra immaculata*, *Macbridea alba*, *Ocimum campechianum*, *Salvia urticifolia*, *Scutellaria floridana*, *Scutellaria havanensis*, *Stachydeoma graveolens*, *Stachys crenata*, *Stachys tenuifolia*;
4 threatened: *Calamintha ashei*, *Calamintha dentata*, *Conradina grandiflora*, *Physostegia godfreyi*, *Pycnanthemum floridanum*.

LAMIACEAE: See LABIATAE

LAURACEAE:

4 endangered: *Licaria triandra*, *Lindera melissifolia*, *Lindera subcoriacea*, *Litsea aestivalis*.

LEGUMINOSAE:

20 endangered: *Acacia choriophylla*, *Acacia tortuosa*, *Aeschynomene pratensis*, *Amorpha crenulata*, *Baptisia megacarpa*, *Caesalpinia major*, *Caesalpinia*

pauciflora, *Cassia keyensis*, *Centrosema arenicola*, *Clitoria fragrans*, *Crotalaria avonensis*, *Dalbergia brownii*, *Dalea carthagensis*, *Galactia smallii*, *Indigofera keyensis*, *Lupinus aridorum*, *Rhynchosia swartzii*, *Stylosanthes calcicola*, *Tephrosia angustissima*, *Vicia ocalensis*;
7 threatened: *Baptisia hirsuta*, *Baptisia simplicifolia*, *Lupinus westianus*, *Pithecellobium keyense*, *Rhynchosia parvifolia*, *Senna mexicana*, *Tephrosia mohrii*.

LEITNERIACEAE: see SIMAROUACEAE

LENTIBULARIACEAE:

2 endangered: *Pinguicula ionantha*, *Pinguicula primuliflora*;
3 threatened: *Pinguicula caerulea*, *Pinguicula lutea*, *Pinguicula planifolia*.

LILIACEAE:

4 endangered: *Erythronium umbilicatum*, *Lilium iridollae*, *Lilium michauxii*, *Lilium superbum*;
1 threatened: *Lilium catesbaei*.

[See also: AMARYLLIDACEAE, AGAVACEAE, COLCHICACEAE, CONVALLARIACEAE, CROOMIACEAE, DRACAENACEAE, MELANTHIACEAE, SMILACACEAE, and TRILLIACEAE]

LINACEAE:

3 endangered: *Linum arenicola*, *Linum carteri*, *Linum westii*.

LOBELIACEAE: see CAMPANULACEAE

LOGANIACEAE: see STRYCHNACEAE

LORANTHACEAE: see VISCACEAE

LYTHRACEAE:

3 endangered: *Cuphea aspera*, *Lythrum curtissii*, *Lythrum flagellare*.

MAGNOLIACEAE:

4 endangered: *Magnolia acuminata*, *Magnolia ashei*, *Magnolia pyramidata*, *Magnolia tripetala*.

MALPIGHIACEAE:

1 threatened: *Byrsonima lucida*.

MALVACEAE:

6 endangered: *Callirhoe papaver*, *Cienfuegosia yucatanensis*, *Gossypium hirsutum*, *Hibiscus poeppigii*, *Kosteletzkya depressa*, *Pavonia paaludicola*.

MELANTHIACEAE:

4 endangered: *Aletris bracteata*, *Harperocallis flava*, *Veratrum woodii*, *Zigadenus leimanthoides*. Often included in LILIACEAE.

MELASTOMACEAE:

1 endangered: *Rhexia parviflora*;
2 threatened: *Rhexia salicifolia*, *Tetrazygia bicolor*.

MELIACEAE:

1 threatened: *Swietenia mahagoni*.

MENISPERMACEAE:

1 endangered: *Cissampelos pareira*.

MIMOSACEAE: See LEGUMINOSAE

MONOTROPACEAE: see ERICACEAE

MYRTACEAE:

3 endangered: *Calyptrothos zuzygium*, *Eugenia confusa*, *Eugenia rhombea*;
3 threatened: *Calyptrothos pallens*, *Myrcianthes fragrans*, *Psidium longipes*.

NAJADACEAE:

1 threatened: *Najas filifolia*.

NYCTAGINACEAE:

2 endangered: *Okenia hypogaea*, *Pisonia rotundata*.

OLEACEAE:

2 endangered: *Chionanthus pygmaeus*, *Forestiera godfreyi*.

ORCHIDACEAE:

56 endangered: *Basiphyllaea corallicola*, *Brassia caudata*,

Bulbophyllum pachyrrachis, *Calopogon multiflorus*, *Campylocentrum pachyrrhizum*, *Corallorhiza odontorhiza*, *Cranchis muscosa*, *Cyrtopodium punctatum*, *Eltroplectris calcarata*, *Encyclia boothiana*, *Encyclia cochleata*, *Encyclia pygmaea*, *Epidendrum acunae*, *Epidendrum anceps*, *Epidendrum difforme*, *Epidendrum nocturnum*, *Epidendrum rigidum*, *Epidendrum strobiliferum*, *Galeandra beyrichii*, *Goodyera pubescens*, *Govenia utriculata*, *Habenaria distans*, *Hexalectris spicata*, *Ionopsis utricularioides*, *Isotria verticillata*, *Leochilus labiatus*, *Lepanthopsis melanantha*, *Liparis nervosa*, *Macradenia lutescens*, *Malaxis unifolia*, *Maxillaria crassifolia*, *Maxillaria parviflora*, *Oncidium bahamensis*, *Oncidium floridanum*, *Oncidium luridum*, *Platanthera clavellata*, *Platanthera integra*, *Pleurothallis gelida*, *Polyradicion lindenii*, *Polystachya concreta*, *Ponthieva brittoniae*, *Prescottia oligantha*, *Spiranthes adnata*, *Spiranthes brevilabris*, *Spiranthes costaricensis*, *Spiranthes elata*, *Spiranthes ovalis*, *Spiranthes polyantha*, *Spiranthes torta*, *Triphora craigheadii*, *Triphora latifolia*, *Tropidia polystachya*, *Vanilla barbellata*, *Vanilla dilloniana*, *Vanilla mexicana*, *Vanilla phaeantha*;
17 threatened: *Bletia purpurea*, *Cleistes divaricata*, *Harrisella filiformis*, *Listera australis*, *Platanthera blephariglottis*, *Platanthera ciliaris*, *Platanthera cristata*, *Platanthera flava*, *Platanthera nivea*, *Pogonia ophioglossoides*, *Pteroglossaspis ecristata*, *Spiranthes laciniata*, *Spiranthes longilabris*, *Spiranthes tuberosa*, *Stenorrhynchos lanceolatus*, *Tipularia discolor*, *Triphora trianthophora*;
2 commercially-exploited: *Encyclia tampensis*, *Epidendrum conopseum*.

PALMAE:
4 endangered: *Pseudophoenix sargentii*, *Roystonea elata*, *Thrinax morrisii*, *Thrinax radiata*;
2 threatened: *Acoelorrhaphe wrightii*, *Coccothrinax argentata*.
1 commercially-exploited: *Rhaphidophyllum hystrix*.

PARNASSIACEAE:
2 endangered: *Parnassia caroliniana*, *Parnassia grandifolia*.

PASSIFLORACEAE:
3 endangered: *Passiflora multiflora*, *Passiflora pallens*, *Passiflora sexflora*.

PHYTOLACCACEAE:
1 endangered: *Trichostigma octandrum*.

PICRAMNIACEAE:
2 endangered: *Alvaradoa amorphoides*, *Picramnia pentrandra*.
Often placed in SIMAROUBIACEAE.

PIPERACEAE:
5 endangered: *Peperomia amplexicaulis*, *Peperomia glabella*, *Peperomia humilis*, *Peperomia magnoliifolia*, *Peperomia obtusifolia*.

POACEAE: See GRAMINEAE

POLYGALACEAE:
2 endangered: *Polygala lewtonii*, *Polygala smallii*.

POLYGONACEAE:
4 endangered: *Eriogonum floridanum* (= *E. longifolium* var. *gnaphalifolium*), *Polygonella basiramia*, *Polygonella myriophylla*, *Polygonum meisnerianum*,
1 threatened: *Polygonella macrophylla*.

POTAMOGETONACEAE:
1 endangered: *Potamogeton floridanus*

PRIMULACEAE:
1 endangered: *Dodecatheon meadia*.

RANUNCULACEAE:
8 endangered: *Actaea pachypoda*, *Aquilegia canadensis*, *Delphinium carolinianum*, *Hepatica nobilis*, *Isopyrum*

Ranunculaceae (continued):
biternatum, **Thalictrum cooleyi**, *Thalictrum thalictroides*, *Xanthorhiza simplicissima*.

RHAMNACEAE:
4 endangered: *Colubrina arborescens*, *Colubrina cubensis*, *Colubrina elliptica*, **Ziziphus celata**;
1 threatened: *Reynosa septentrionalis*

ROSACEAE:
4 endangered: *Agrimonia incisa*, *Crataegus phaenopyrum*, *Physocarpus opulifolius*, **Prunus geniculata**,
2 threatened: *Malus angustifolia*, *Prunus myrtifolia*.

RUBIACEAE:
5 endangered: *Catesbaea parviflora*, *Ermodea cokeri*, *Exostema caribaeum*, *Psychotria ligustrifolia*, *Strumpfia maritima*;
3 threatened: *Erithalis fruticosa*, *Pinckneya bracteata*, *Spermocoe terminalis*.

RUTACEAE:
3 endangered: *Zanthoxylum americanum*, *Zanthoxylum coriaceum*, *Zanthoxylum flavum*.

SALICACEAE:
2 endangered: *Salix eriocephala*, *Salix floridana*.

SAPINDACEAE:
3 endangered: *Cupania glabra*, *Dodonaea elaeagnoides*, *Hypelate trifoliata*.

SAPOTACEAE:
3 endangered: *Bumelia anomala*, *Bumelia lycioides*, *Bumelia thornei*;
2 threatened: *Chrysophyllum oliviforme*, *Manilkara jaimiqui*.

SARRACENIACEAE:
1 endangered: *Sarracenia leucophylla*,
4 threatened: *Sarracenia minor*, *Sarracenia psittacina*, *Sarracenia purpurea*, *Sarracenia rubra*.

SAXIFRAGACEAE:
1 endangered: *Lepuropetalon spathulatum*.

SCHISANDRACEAE:

1 endangered: *Schisandra coccinea*.

SCROPHULARIACEAE:

2 endangered: *Macranthera flammea*, ***Schwalbea americana***.

SIMAROUBACEAE:

1 threatened: *Leitneria floridana*.

SMILACACEAE:

1 threatened: *Smilax havanensis*. Often placed in LILIACEAE.

SOLANACEAE: 1 threatened: *Solanum donianum*.

STAPHYLEACEAE:

1 endangered: *Staphylea trifolia*.

STEMONACEAE: see CROOMIACEAE

STRYCHNACEAE:

2 endangered: ***Spigelia gentianoides***, *Spigelia loganioides*.

THEACEAE:

1 endangered: *Stewartia malacodendron*.

THEOPHRASTACEAE:

1 threatened: *Jacquinia keyensis*.

THYMELAEACEAE:

1 endangered: *Dirca palustris*.

TRILLIACEAE:

1 endangered: *Trillium lancifolium*.

ULMACEAE:

3 endangered: *Celtis iguanaea*, *Celtis pallida*, *Trema lamarckianum*.

UMBELLIFERAE:

3 endangered: *Cryptotaenia canadensis*, ***Eryngium cuneifolium***, *Oxypolis greenmanii*.

UVULARIACEAE: see COLCHICACEAE.

VERBENACEAE:

5 endangered: *Lantana canescens*, *Lantana depressa*, *Phyla stoechadifolia*, *Verbena maritima*, *Verbena tampensis*.

VIOLACEAE:

2 endangered: *Hybanthus concolor*, *Viola tripartita*.

VISCACEAE:

1 endangered: *Phoradendron rubrum*.

XYRIDACEAE:

4 endangered: *Xyris chapmanii*, *Xyris isoetifolia*, *Xyris longisepala*, *Xyris louisianica*;

1 threatened: *Xyris scabrifolia*.

ZYGOPHYLLACEAE:

1 endangered: *Guaiacum sanctum*.

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Note: sea oats (*Uniola paniculata*) and sea grapes (*Coccoloba uvifera*) are protected by miscellaneous plant law Chapter 370.041 Florida Statutes.