

Family Affiliation of Species on the REGULATED PLANT INDEX of Sept. 1993

by Nancy C. Coile

Florida's endangered plant species are protected by state law. The specific authority comes through Florida Statutes, Sections 570.07(23) and 581.185(4). The Rules of the Florida Department of Agriculture and Consumer Services, Division of Plant Industry, Chapter 5B-40, Florida Administrative Code (FAC) is entitled: "Preservation of Native Flora of Florida" and includes the "Regulated Plant Index". Penalties for violations of Rule Chapter 5B-40 are provided in Section 581.141 and 581.211 of the Florida Statutes.

As stated in Rule Chapter 5B-40, FAC, the purpose is "to provide rules for the purpose of preserving the native flora of Florida, by encouraging the propagation of endangered or depleted species of flora and by providing an orderly and controlled procedure for restricting harvesting of native flora from the wilds, thus preventing exploitation or destruction of Florida native plant populations." Florida has many superb native plant nurseries, some of which offer species listed as endangered or threatened. The position of the Florida Native Plant Society (FNPS) is that "transplanting from the wild merely transfers native plants from natural to man-made habitats and results in a net loss of native plants." (FNPS Board of Directors in a board meeting on November 19, 1988.) However, FNPS encourages transplanting nursery-grown native plants. A *Plant and Service Directory* may be obtained from the Association of Florida Native Nurseries, P.O. Box 1003, San Antonio, FL 33576.

Before species are placed on the Regulated Plant Index, the Endangered Plant Advisory Council (EPAC) examines rare species and makes recommendations as to the feasibility of including the species on the Regulated Plant Index. The Regulated Plant Index consists of three species lists: endangered, threatened, or commercially exploited. The listing of species is an ongoing activity and will probably never be static. As of September 20, 1993, the endangered plant list contained 255 species; the threatened plant list had 37 species and eight categories listed; and the commercially exploited list had 12 species.

The threatened list has eight categories which do not list individual species: ferns (see Pteridophytes below), *Zephyranthes* (see Amaryllidaceae), hollies (see Aquifoliaceae), bromeliads (see Bromeliaceae), cacti (see Cactaceae), *Rhododendron* (see Ericaceae), orchids (see Orchidaceae), and palms (see Palmae). Eventually, the Endangered Plant Advisory Council may recommend listing individual species rather than the categories. Some very common ferns, for example, are automatically placed in the threatened category even if "threatened" is clearly inappropriate for the widespread species, e.g. *Thelypteris kunthii*.

The Endangered Plant Advisory Council includes two botanists who must be from a Florida university and a

representative from each of the following organizations: Committee for Rare and Endangered Plants and Animals, Florida Federation of Garden Clubs, Florida Forestry Association, Florida Native Plant Society, Florida Nurserymen and Growers Association. The EPAC Chair for 1993-1994 is Richard Moyroud (representative of the Florida Native Plant Society). Other EPAC members are: Dr. Loran C. Anderson (Florida State University), Dr. Daniel F. Austin (Florida Atlantic University), Dr. Daniel B. Ward (Committee for Rare and Endangered Plants and Animals), Ms. Eve R. Hannahs (Florida Federation of Garden Clubs), Mr. Charles D. Daniel III (Florida Forestry Association), and Mr. David M. Drylie, Jr. (Florida Nurserymen and Growers Association). Mr. Daniel C. Phelps (Florida Department of Agriculture and Consumer Services, Division of Plant Industry) serves as the secretary.

A copy of Rule Chapter 5B-40, FAC, may be requested from the Florida Department of Agriculture and Consumer Services, Division of Plant Industry, P.O. Box 147100, Gainesville, FL 32614-7100. Also available is a publication entitled "Florida's Endangered and Threatened Plants" which provides up-to-date nomenclature, references, common names, family, and a short description for each listed species. The short description includes some or all of the following information: habit, key characteristics, habitats, geographic range, and bloom time. This free publication contains descriptions of these rare species, which are difficult to locate.

The family affiliations provided below are grouped into four main categories: Lichens, Pteridophyta (ferns and fern-allies), Gymnospermae (conifers, cycads, etc.), and Angiospermae (flowering plants). Some families have alternate names as provided by the Code of International Nomenclature. Apiaceae (= Umbelliferae), Areaceae (= Palmae), Asteraceae (= Compositae), Brassicaceae (= Cruciferae), Caesalpinaceae (= Leguminosae, in part), Fabaceae (= Leguminosae, in part), Lamiaceae (= Labiatae), Mimosaceae (= Leguminosae, in part), Poaceae (= Gramineae). *Lobelia* may also be placed in Campanulaceae. *Nolina* and *Zephyranthes* may also be placed in Liliaceae. *Hypericum* may also be placed in Guttiferae. [Species in bold print are on the Federal list.]

LICHENS: (one endangered) *Cladonia perforata*

PTERIDOPHYTA: (fourteen endangered) *Acrostichum aureum* (golden leather fern), *Adiantum melanoleucum* (fragrant maiden-hair fern), *Asplenium auritum* (auricled spleenwort), *Asplenium monanthes* (San Felasco spleenwort), *Asplenium pumilum* (dwarf spleenwort), *Asplenium serratum* (bird's nest spleenwort), *Blechnum occidentale* (sinkhole fern), *Campyloneurum angustifolium* (narrow strap fern), *Cheilanthes microphylla* (southern lip fern), *Dennstaedtia bipinnata* (cuplet fern), *Lycopodium dichotomum* (hanging clubmoss), *Ophioglossum palmatum* (hand fern), *Schizaea germanii* (ray fern), *Tectaria coriandrifolia* (Hattie Bauer halberd)

fern); (two commercially exploited) *Osmunda cinnamomea* (cinnamon fern), *Osmunda regalis* (royal fern)

All native fern and fern-allies species are listed as threatened, with the following exceptions: *Azolla*, *Blechnum serrulatum* (swamp fern), *Polypodium aureum* (serpent fern), *Polypodium polypodioides* (resurrection fern), *Pteris aquilinum* (common bracken), *Salvinia* (water ferns), *Thelypteris normalis* (shield fern), and *Woodwardia virginica* (Virginia chain fern).

GYMNOSPERMAE

TAXACEAE: (two endangered) *Taxus floridana* (Florida yew), *Torreya taxifolia* (stinking cedar or Florida torreya)

ZAMIACEAE: (one commercially exploited) *Zamia* (all native species) (coontie)

ANGIOSPERMAE

ACANTHACEAE: (three endangered) *Justicia cooleyi* (Cooley's justicia), *Justicia crassifolia* (thick-leaved water willow), *Ruellia noctiflora* (night-flowering wild petunia)

AGAVACEAE: (one endangered) *Nolina brittoniana* (Britton's beargrass); (one threatened) *Nolina atopocarpa* (Florida beargrass)

AMARYLLIDACEAE: (one endangered) *Zephyranthes simpsonii* (Simpson's zephyr-lily)

All other native, white-flowered species are on the threatened list.

ANNONACEAE: (three endangered) *Asimina tetramera* (four-petaled pawpaw), *Deeringothamnus pulchellus* (white squirrel-banana), *Deeringothamnus rugelii* (yellow squirrel-banana)

AQUIFOLIACEAE: (one endangered) *Ilex krugiana* (Krug's holly); (two commercially exploited) *Ilex cassine* (dahoon), *Ilex opaca* (American holly)

All other native holly species are listed as threatened, except for *Ilex coriacea* (large gallberry), *Ilex glabra* (gallberry), *Ilex myrtifolia* (myrtle-leaved holly) and *Ilex vomitoria* (yaupon).

ARISTOLOCHIACEAE: (one endangered) *Aristolochia tomentosa* (pipevine); (one threatened) *Hexastylis arifolia* (heartleaf wild ginger)

ASCLEPIADACEAE: (seven endangered) *Asclepias curtissii* (Curtiss' milkweed), *Asclepias vifidiflora* (green-flowered milkweed), *Matelea alabamensis* (Alabama spiny pod), *Matelea baldwyniana* (Baldwin's spiny pod), *Matelea flavidula* (yellow-flowered spiny pod), *Matelea floridana* (Florida spiny pod), *Matelea pubiflora* (sandhill spiny pod); (two threatened) *Asclepias viridula* (green milkweed), *Matelea gonocarpos* (angle pod)

BORAGINACEAE: (three endangered) *Bouyeria cassinifolia* (little strongback), *Cordia sebestena* (Geiger tree), *Tournefortia gnaphalodes* (sea lavender)

BROMELIACEAE: (five endangered) *Catopsis berteroniana* (airplant), *Catopsis floribunda* (many-flowered airplant), *Catopsis nutans* (nodding catopsis), *Guzmania monostachia* (Fuch's bromeliad), *Tillandsia pruinosa* (fuzzy-wuzzy airplant); (one threatened) *Tillandsia flexuosa* (twisted airplant); (two commercially exploited) *Tillandsia fasciculata* (common wild-pine), *Tillandsia utriculata* (giant wild-pine)

All other native bromeliad species are listed as threatened, with the following exceptions: *Tillandsia usneoides* (Spanish moss), and *Tillandsia recurvata* (ball-moss)

BURMANNIACEAE: (one endangered) *Burmannia flava* (Fakahatchee burmannia)

BUXACEAE: (one endangered) *Pachysandra procumbens* (Allegheny spurge)

CACTACEAE: (seven endangered) *Cereus eriophorus* (fragrant prickly-apple), *Cereus gracilis* (West Coast prickly-apple), *Cereus pentagonus* (barbed-wire cactus), *Cereus robinii* (tree cactus), *Opuntia spinosissima* (semaphore cactus), *Opuntia triacantha* (Keys joe-jumper), *Rhipsalis baccifera* (mistletoe cactus)

All other native cactus species are listed as threatened, except for the spreading or prostrate-growing species.

CALYCANTHACEAE: (one endangered) *Calycanthus floridus* (sweet shrub)

CAMPANULACEAE: (one endangered) *Campanula robinsiae* (Chinsegut bellflower)

CANELLACEAE: (one endangered) *Canella winterana* (wild cinnamon)

CARYOPHYLLACEAE: (two endangered) *Paronychia chartacea* (papery whitlow-wort), *Silene polypetala* (fringed pink)

CELASTRACEAE: (two endangered) *Crossopetalum illicifolium* (Christmas berry), *Crossopetalum rhacoma* (rhacoma)

CISTACEAE: (two endangered) *Lechea divaricata* (spreading pinweed), *Lechea lakelae* (Lakela's pinweed); (one threatened) *Lechea cernua* (scrub pinweed)

CLUSIACEAE: (one endangered) *Clusia rosea* (balsam-apple)

COMPOSITAE: (sixteen endangered) *Aster hemisphericus* (aster), *Aster spinulosus* (pinewoods aster), *Bigelovia nuttallii* (Nuttall's rayless goldenrod), *Brickellia cordifolia* (Flyr's nemesis), *Brickellia mosieri* (Brickell-bush), *Chrysopsis cruiseana* (Cruise's golden-aster), *Chrysopsis floridana* (Florida's golden-aster), *Helianthus carnosus* (flatwoods sunflower), *Liatris ohlingerae* (scrub blazing star), *Liatris provincialis* (Godfrey's blazing star), *Marshallia obovata* (Barbara's buttons), *Marshallia ramosa* (Barbara's buttons), *Melanthera parvifolia* (small-leaved melanthera), *Pityopsis flexuosa* (Florida golden-aster), *Rudbeckia nitida* (St. John's Susan), *Sachsia bahamensis* (Bahama sachsia); (four threatened) *Cacalia diversifolia* (Indian plantain), *Garberia heterophylla* (garberia), *Hartwrightia floridana* (hartwrightia), *Verbesina chapmanii* (Chapman's crownbeard)

CONVOLVULACEAE: (seven endangered) *Bonamia grandiflora* (Florida bonamia), *Calystegia catesbaeiana* (Catesby's bindweed), *Ipomoea microdactyla* (wild potato morning glory), *Ipomoea tenuissima* (rockland morning glory), *Jacquemontia curtissii* (pineland jacquemontia), *Jacquemontia reclinata* (beach jacquemontia), *Stylisma abdita* (hidden stylisma)

CORNACEAE: (one endangered) *Cornus alternifolia* (pagoda dog-wood)

CROOMIACEAE: (one endangered) *Croomia paucifolia* (croomia)

CRUCIFERAE: (three endangered) *Arabis canadensis* (sicklepod), *Warea amplexifolia* (clasping warea), *Warea carteri* (Carter's mustard)

CUCURBITACEAE: (one endangered) *Cucurbita okeechobeensis* (Okeechobee gourd)

CYPERACEAE: (one endangered) *Remirea maritima* (beach star); (one threatened) *Carex baltzellii* (Baltzell's sedge)

DROSERACEAE: (one threatened) *Drosera intermedia* (water sundew)

ERICACEAE: (four endangered) *Epigaea repens* (trailing arbutus), *Rhododendron alabamense* (Alabama azalea), *Rhododendron austrinum* (Florida flame azalea), *Rhododendron chapmanii* (Chapman's rhododendron); (one threatened) *Kalmia latifolia* (mountain laurel); (one commercially exploited) *Rhododendron canescens* (pink azalea)

All other native Rhododendron species are on the threatened list.

EUPHORBIACEAE: (ten endangered) *Argythamnia blodgettii* (Blodgett's wild mercury), *Chamaesyce cumulicola* (sand dune spurge), *Chamaesyce deltoidea* (rockland spurge), *Chamaesyce garberi* (Garber's spurge), *Chamaesyce porteri* (Porter's spurge), *Euphorbia telephioides* (spurge), *Hippomane mancinella* (manchineel), *Phyllanthus leibmannianus* (pinewoods dainty), *Poinsettia pinetorum* (Everglades poinsettia), *Tragia saxicola* (rocklands noseburn)

GENTIANACEAE: (one endangered) *Gentiana pennelliana* (wiregrass gentian)

GOODENIACEAE: (one threatened) *Scaveola plumieri* (inkberry)

GRAMINEAE: (three endangered) *Eragrostis tracyi* (Sanibel lovegrass), *Panicum abscissum* (cutthroat grass), *Tripsacum floridanum* (Florida tripsacum); (one threatened) *Calamovilfa curtissii* (Curtiss' sandgrass)

HYPERICACEAE: (three endangered) *Hypericum cumulicola* (Highlands scrub hypericum), *Hypericum edisonianum* (Edison's hypericum), *Hypericum lissophloeus* (smooth-barked St. John's wort)

ILLICACEAE: (one endangered) *Illicium parviflorum* (star anise); (one threatened) *Illicium floridanum* (Florida anise)

IRIDACEAE: (two endangered) *Nemastylis floridana* (celestial-lily), *Sphenostigma coelestinum* (Bartram's ixia)

LABIATAE: (fourteen endangered) *Conradina brevifolia* (conradina), *Conradina etonia* (Etonia conradina), *Conradina glabra* (Apalachicola rosemary), *Conradina grandiflora* (large-flowered rosemary), *Dicerandra christmanii* (Christman's mint), *Dicerandra cornutissima* (Robin's mint), *Dicerandra frutescens* (Lloyd's mint), *Dicerandra immaculata* (Olga's mint), *Macbridea alba* (white bird-in-a-nest), *Salvia urticifolia* (nettle-leaved sage), *Scutellaria floridana* (Florida skullcap), *Stachydeoma graveolens* (mock-pennyroyal), *Stachys crenata* (shade betony), *Stachys*

- tenuifolia* (narrow-leaved betony); (one threatened) *Calamintha ashei* (Ashe's calamintha)
- LAURACEAE: (three endangered) *Licaria triandra* (Gulf triandra), *Lindera melissifolia* (pondberry), *Litsea aestivalis* (pond-spice)
- LEGUMINOSAE: (ten endangered) *Acacia choriophylla* (tamarindillo), *Amorpha crenulata* (Miami lead plant), *Baptisia megacarpa* (Apalachicola wild indigo), *Cassia keyensis* (Key cassia), *Clitoria fragrans* (pigeon wings), *Crotalaria avonensis* (Avon Park crotalaria), *Galactia smallii* (Small's milkpea), *Lupinus aridorum* (McFarlin's lupine), *Tephrosia angustissima* (hoary pea), *Vicia ocalensis* (Ocala vetch); (three threatened) *Baptisia hirsuta* (hairy wild-indigo), *Baptisia simplicifolia* (scare-weed), *Lupinus westianus* (Gulf Coast lupine)
- LEITNERIACEAE: (one threatened) *Leitneria floridana* (corkwood)
- LENTIBULARIACEAE: (two endangered) *Pinguicula ionantha* (Panhandle butterwort), *Pinguicula primuliflora* (primrose-flowered butterwort); (four threatened) *Pinguicula caerulea* (blue-flowered butterwort), *Pinguicula lutea* (yellow-flowered butterwort), *Pinguicula planifolia* (swamp butterwort), *Pinguicula pumila* (dwarf butterwort)
- LILIACEAE: (six endangered) *Erythronium umbilicatum* (dogtooth violet), *Harperocallis flava* (harperocallis), *Lilium iridollae* (Panhandle lily), *Medeola virginiana* (Indian cucumber), *Trillium lancifolium* (lance-leaved wake-robin), *Veratrum woodii* (false hellebore); (one threatened) *Lilium catesbaei* (pine lily)
- LINACEAE: (three endangered) *Linum arenicola* (sand flax), *Linum carteri* (Everglades flax), *Linum westii* (West's flax)
- LOBELIACEAE: (one threatened) *Lobelia cardinalis* (cardinal flower)
- LOGANIACEAE: (two endangered) *Spigelia gentianoides* (gentian pinkroot), *Spigelia loganioides* (Levy pinkroot)
- LORANTHACEAE: (one endangered) *Phoradendron rubrum* (mahogany mistletoe)
- LYTHRACEAE: (one endangered) *Lythrum curtissii* (Curtiss' loosestrife)
- MAGNOLIACEAE: (three endangered) *Magnolia acuminata* (cucumber-tree), *Magnolia ashei* (Ashe's magnolia), *Magnolia pyramidata* (pyramid magnolia)
- MALPIGHIACEAE: (one endangered) *Byrsonima lucida* (locust berry)
- MALVACEAE: (three endangered) *Callirhoe papaver* (poppy-mallow), *Cienfuegosia yucatanensis* (yellow hibiscus), *Gossypium hirsutum* (wild cotton)
- MELASTOMACEAE: (one endangered) *Rhexia parviflora* (Apalachicola meadow beauty); (one threatened) *Tetrazygia bicolor* (tetrazygia)
- MELIACEAE: (one endangered) *Swietenia mahagoni* (mahogany)
- MONOTROPACEAE: (two endangered) *Monotropa hypopithys* (pine-sap), *Monotropis reynoldsiae* (pygmy-pipes)
- MYRTACEAE: (four endangered) *Calyptanthus zuzygium* (myrtle-of-the-river), *Eugenia confusa* (redberry eugenia), *Eugenia rhombea* (red stopper), *Eugenia simpsonii* (Simpson's stopper)
- NYCTAGINACEAE: (one endangered) *Okenia hypogaea* (burrowing four-o'clock)
- OLEACEAE: (two endangered) *Chionanthus pygmaeus* (pigmy fringe tree), *Forestiera godfreyi* (Godfrey's swamp-privet)
- ORCHIDACEAE: (seventeen endangered) *Bulbophyllum pachyrhachis* (rat-tail orchid), *Campylocentrum pachyrrhizum* (leafless orchid), *Cyrtopodium punctatum* (cowhorn orchid), *Eltroplectris calcarata* (spurred neottia), *Encyclia boothiana* (dollar orchid), *Encyclia pygmaea* (dwarf epidendrum), *Epidendrum acuna* (Acuna's epidendrum), *Hexalectris spicata* (crested coralroot), *Ionopsis utricularioides* (delicate ionopsis), *Lepanthopsis melanantha* (tiny orchid), *Maxillaria crassifolia* (hidden orchid), *Oncidium bahamense* (dancing-lady orchid), *Polyradicion lindenii* (ghost orchid), *Restrepella ophiocephala* (snake orchid), *Spiranthes polyantha* (Ft. George ladies' tresses), *Tropidia polystachya* (young-palm orchid), *Vanilla barbellata* (worm-vine orchid)
- All other native orchid species are on the threatened list.
- PALMAE: (two endangered) *Pseudophoenix sargentii* (Sargent's cherry palm), *Roystonea elata* (Florida royal palm); (four commercially exploited) *Coccothrinax argentata* (silver palm), *Rhapidophyllum hystrix* (needle palm), *Thrinax floridana* (Florida thatch palm), *Thrinax microcarpa* (brittle thatch palm)
- All other native palm species are on the threatened list, except for *Sabal palmetto* (cabbage palm) and *Serenoa repens* (saw palmetto)
- PIPERACEAE: (five endangered) *Peperomia amplexicaulis* (clasping peperomia), *Peperomia glabella* (cypress peperomia), *Peperomia humilis* (peperomia), *Peperomia magnoliifolia* (spathulate peperomia), *Peperomia obtusifolia* (Florida peperomia)
- POLYGALACEAE: (two endangered) *Polygala lewtonii* (Lewton's polygala), *Polygala smallii* (tiny polygala)
- POLYGONACEAE: (four endangered) *Eriogonum floridanum* (scrub buckwheat) [Federal Register uses: *E. longifolium* var. *gnaphalifolium*], *Polygonella basiramia* (tufted wireweed), *Polygonella myriophylla* (sandlace), *Polygonum meisnerianum* (Mexican tear-thumb); (one threatened) *Polygonella macrophylla* (large-leaved jointweed)
- PRIMULACEAE: (one endangered) *Dodecatheon meadia* (shooting star)
- RANUNCULACEAE: (seven endangered) *Actaea pachypoda* (doll's eyes), *Aquilegia canadensis* (red columbine), *Delphinium carolinianum* (Carolina larkspur), *Hepatica nobilis* (liverleaf), *Thalictrum cooleyi* (Cooley's meadow rue), *Thalictrum thalictroides* (rue anemone), *Xanthorhiza simplicissima* (yellow root)
- RHAMNACEAE: (two endangered) *Colubrina cubensis* (colubrina), *Ziziphus celata* (scrub ziziphus)
- ROSACEAE: (three endangered) *Crataegus phaenopyrum* (Washington thorn), *Physocarpus opulifolius* (ninebark), *Prunus geniculata* (scrub plum); (one threatened) *Malus angustifolia* (crabapple)
- RUBIACEAE: (two endangered) *Catesbaea parviflora* (small-flowered lily-thorn), *Strumpfia maritima* (pride of Big Pine); (one threatened) *Pinckneya bracteata* (fever tree)
- RUTACEAE: (three endangered) *Zanthoxylum americanum* (prickly ash), *Zanthoxylum coriaceum* (leathery prickly ash), *Zanthoxylum flavum* (yellow heart)
- SALICACEAE: (two endangered) *Salix eriocephala* (heart-leaved willow), *Salix floridana* (Florida willow)
- SAPINDACEAE: (two endangered) *Cupania glabra* (cupania), *Hypelate trifoliata* (inkwood)
- SAPOTACEAE: (four endangered) *Bumelia anomala* (Clark's buckthorn), *Bumelia lycioides* (gopherwood buckthorn), *Bumelia thornei* (Thorne's buckthorn), *Chrysophyllum oliviforme* (satin leaf)
- SARRACENIACEAE: (one endangered) *Sarracenia leucophylla* (white-topped pitcher plant); (three threatened) *Sarracenia minor* (hooded pitcher plant), *Sarracenia psittacina* (parrot pitcher plant), *Sarracenia rubra* (red-flowered pitcher plant)
- SAXIFRAGACEAE: (five endangered) *Hydrangea arborescens* (wild hydrangea), *Lepuropetalon spathulatum* (little people), *Parnassia caroliniana* (Carolina grass-of-Parnassus), *Parnassia grandifolia* (grass-of-Parnassus), *Ribes echinellum* (Miccosukee gooseberry)
- SCHISANDRACEAE: (one endangered) *Schisandra coccinea* (bay star vine)
- SCROPHULARIACEAE: (two endangered) *Macranthera flammea* (hummingbird flower), *Schwalbea americana* (chaff seed)
- SIMAROUBACEAE: (one endangered) *Alvaradoa amorphoides* (alvaradoa)
- STAPHYLEACEAE: (one endangered) *Staphylea trifolia* (bladdernut)
- SURIANACEAE: (one endangered) *Suriana maritima* (bay cedar)
- THEACEAE: (one endangered) *Stewartia malacodendron* (silky camellia)
- THEOPHRASTACEAE: (one threatened) *Jacquinia keyensis* (joewood)
- ULMACEAE: (two endangered) *Celtis iguanaea* (iguana hackberry), *Celtis pallida* (spiny hackberry)
- UMBELLIFERAE: (three endangered) *Cryptotaenia canadensis* (honewort), *Eryngium cuneifolium* (scrub eryngium), *Oxypolis greenmanii* (giant water-dropwort)
- VERBENACEAE: (three endangered) *Lantana depressa* (pineland lantana), *Verbena maritima* (coastal vervain), *Verbena tampensis* (Tampa vervain)
- VIOLACEAE: (two endangered) *Hybanthus concolor* (green violet), *Viola tripartita* (yellow violet)
- XYRIDACEAE: (one endangered) *Xyris longisepala* (karst pond yellow-eyed grass); (one threatened) *Xyris scabrifolia* (Harper's yellow-eyed grass)
- ZYGOPHYLLACEAE: (one endangered) *Guaiacum sanctum* (lignum vitae)

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