# **Inventory of Vascular Plants of Biscayne National Park**

Keith A. Bradley, Steven W. Woodmansee, George D. Gann November 9, 2004



Final report submitted by
The Institute for Regional Conservation
22601 S.W. 152 Avenue; Miami, Florida 33170
George D. Gann, Executive Director



tc

National Park Service Inventory and Monitoring Program South Florida/Caribbean Network of Parks Inventory of Vertebrates and Vascular Plants

## **Abstract:**

A systematic, quantitative inventory of the flora of Biscayne National Park was conducted between October 2001 and September 2004. The park flora is now known to consist of 454 taxa. In addition to the 454, forty-two more are reported as historically occurring in the park but are believed to be extirpated there, representing a total historical flora of 496 taxa. We report 151 plant taxa previously unreported for the park, including 134 that we discovered during our field surveys. One species that was discovered in the park, *Opuntia corallicola*, was thought to be on the brink of extinction in the wild with only about a dozen plants. Many new populations of other locally rare plant taxa were also found. Of the 454 plants now known to occur in the park 322 (70.1%) are native, 108 (23.8%) are naturalized exotics, and 24 (5.3%) are known from the park only from cultivation.

# **Introduction:**

In 2001, the National Park Service contracted The Institute for Regional Conservation (IRC) to conduct an inventory of the vascular plants of Biscayne National Park (BISC). The goal of the inventory was to document at least 90% of the vascular plant taxa within BISC, to quantitatively estimate the relative abundance of each taxon, and to collect voucher specimens. While previous floristic inventories had been compiled for BISC (e.g. Stalter et al. 1999, Hammer & Bradley 1998, Avery 1978), none were believed to document at least 90% of the park's plant taxa. In addition, none of the existing floras reported the abundance of the plant taxa within BISC. The current study was designed to systematically sample the park, including all islands and the mainland, and estimate the abundance of each taxon within the park.

## **Methods:**

A grid system comprising 100 km<sup>2</sup> cells was created to form a system of standard sampling units for BISC. Because many cells contained small, irregularly shaped islands and open water, most cells had an upland area of less than 100ha; the average cell size was 32ha. The 100 cells had a total area of 3,174ha. Of the 100 cells, 57 were on islands and 43 were on the mainland.

Within each cell two 250 meter transects were established from a single starting point. Random compass headings were selected to determine the direction of each transect. Transects were initiated at the center of cells when upland vegetation was present, but placed in the closest accessible area if mangrove swamps were present. Transects were placed at least 30° apart. Transects were stopped if a shoreline was encountered.

All plant taxa intercepting each transect were recorded. Beginning at 2.5 m all plant taxa intercepting each 2.5m point were recorded, for a total of 100 intercept points. GPS coordinates were collected at the beginning and end of each transect. Additional plant taxa observed while working in the cell were also recorded. If a cell was too small to fit at least one 250 m transect, no transects were run, and only a plant inventory was conducted.

At least one herbarium specimen was collected for all plant taxa observed in flower (or with characters suitable for determination) while the study was being conducted.

#### **Results:**

## Field Data

Between October 10, 2001 and September 30, 2004, 99 cells were sampled. One of the 100 sample cells could not be sampled because it contained only a privately owned island. Plant inventories were prepared for each of the 99 remaining cells. One hundred and seventy transects were run, with 15,597 intercepts.

A total of 430 plant taxa were recorded in the field (Table 1). Of the 430 taxa, 302 (70.2%) are native to the park, 104 (24.2%) are naturalized exotics, and 24 (5.6%) are known only in cultivation in the park. Fifty-five of the species we recorded as native to the park are listed by the State of Florida, 35 as endangered, 19 as threatened, and one as commercially exploited. None of the species recorded are listed by the U.S. Fish and Wildlife Service under the Endangered Species Act, but one, *Opuntia corallicola*, is a candidate for listing. Eleven of the taxa are considered to be critically imperiled in South Florida by IRC (Gann et al. 2002).

Of the 430 taxa that were recorded in the park, 224 (52.2%) were recorded on at least one of the 170 transects, and 180 (42.0%) were recorded on at least one of the 15,597 intercepts. As expected, there is a positive correlation between number of times a plant was recorded on a transect and number of times it was recorded at an intercept. With a correlation coefficient of 0.66 this was not a very strong correlation. While not analyzed extensively at this time, the intercept data does show a general pattern. Species that dominate tidal swamps have high frequencies, with *Rhizophora mangle* being the most frequently encountered species in the park. Other frequent species include *Laguncularia racemosa* (the third most common species in the park), *Avicennia germinans* (the 4<sup>th</sup>), and *Conocarpus erectus* (the 10<sup>th</sup>). Tree species of rockland hammocks were the others to be most frequently recorded, including *Coccoloba diversifolia* (2<sup>nd</sup>), *Eugenia foetida* (5<sup>th</sup>), *Eugenia axillaris* (6<sup>th</sup>), and *Metopium toxiferum* (7<sup>th</sup>).

The most frequent exotic species recorded on intercepts was *Manilkara zapota*, which was recorded on 0.7% of intercepts, and was the 30<sup>th</sup> most commonly intercepted species. *Schinus terebinthifolius* was 32<sup>nd</sup> and recorded on 0.62% of intercepts.

Intra-cell diversity varied widely, with a range of only a single taxon to 165 taxa. The 56 cells containing the islands of the park contained 326 taxa (247 native) and the 43 mainland cells 294 (208 native) taxa. Individual islands (n=30) ranged widely in diversity. Elliott Key had the most taxa with 244. Other large islands with upland habitats also had high numbers of taxa - Adams Key with 140, Boca Chita Key with 131, Old Rhodes Key with 114, Sands Key with 111, Porgy Key with 110, and Totten Key with 100. Thirteen islands with only mangrove swamp habitats had 5 or fewer taxa, with a minimum of two taxa.

Of the 430 taxa we recorded in the park, 134 are new park records (Table 2). The 134 taxa were found to be distributed throughout the park. They were found in 62 (62.6%) cells, encompassing essentially the entire island range from Soldier Key south to Swan Key and the entire mainland range. More than half of the new taxa (52.9%) were recorded in more than a single cell. Some new species were recorded fairly frequently. *Fimbristylis cymosa*, for example, was found in 22 cells both on islands and the mainland. The invasive exotic shrub, *Scaevola sericea*, was recorded in 21 cells, both on islands and the mainland.

Of the 134 species newly reported for the park, 35 (26.3%) were recorded on transects and 26 (19.5%) were recorded on intercepts. Only two species were recorded on more than 5% of the transects, *Paspalum caespitosum* (6.5%) and *Fimbristylis cymosa* (6%). New species were more likely to be found by methodically searching unusual habitats not well sampled by random transect placement, such as beach dunes, hammock edges, or disturbed sites. The new species were found in a wide variety of habitats, including rockland hammock, beach dune, old home sites, roadsides, canal banks, and other disturbed sites such as the open fields on Boca Chita Key or around buildings at Convoy Point. Despite the great amount of time spent in tidal swamps (mangrove forests) few new species were found there, as would be expected considering the generally low diversity of this community. One important exception is the critically imperiled and state-listed endangered shrub *Pavonia paludicola*.

Herbarium specimens were collected for 240 taxa. With duplicates, approximately 556 individual specimens have been collected. Nearly all of the labels for these specimens have been prepared and are ready for deposit at the Fairchild Tropical Botanic Garden herbarium (FTG).

# Other Data

The inventory conducted by IRC by no means represents the first botanical data collected in the park. Botanists first made collecting trips to portions of the park in the late 1800s and have deposited specimens in herbaria around the world. The most recent work to be published before the initiation of our study was done by Stalter and others in 1999 (Stalter et al. 1999). They reported 370 taxa for the preserve<sup>1</sup>. IRC's Floristic Inventory of South Florida Database also has records for twenty-nine other taxa that have been reported or documented by others, but not reported by Stalter et al. These additional records come primarily from a mix of technical and agency publications and the collection books of the botanist John Kunkel Small from the New York Botanical Garden. Twelve of the 29 taxa are based on records from herbarium specimens or collection books.

From all data sources, including our observations, Stalter et al. (1999), and other miscellaneous sources, 532 plant taxa have been reported for the park. In our field work we recorded 80.8% of these taxa, leaving 102 unaccounted for. We have examined the records for these 102 taxa to determine whether they represent errors or extirpations. Thirty-six of the records were determined to be erroneous or probably erroneous. Forty-two are believed to represent accurate reports of species no longer present in the park. These are a mix of native and exotics species that have become extirpated, and a number of cultivated species that have been removed from the park, especially from Adams and Elliott Keys. We believe that only twenty-four represent taxa that may still be in the park, and may be found with some searching in appropriate areas. They were probably overlooked by us because of their rarity or ephemeral nature. Thus, the current extant flora of the park (including cultivated taxa) is 454 taxa, of which we recorded 94.7% in our field surveys. Twenty-four of these taxa are known from the park only in cultivation.

Ten of the 42 species that are extirpated in the park are native. Some are species that are rare in the South Florida region. Eight are listed by the State of Florida as endangered or threatened, one, *Argythamnia blodgettii*, is being considered for federal listing by the U.S. Fish and Wildlife

-

<sup>&</sup>lt;sup>1</sup> Stalter et al. (1999) reports 372 taxa, but two species are listed twice by the authors, so they actually report 370.

Service under the Endangered Species Act, and four are considered critically imperiled or extirpated in South Florida by IRC. One of the species, *Nevrodium lanceolatum* has not been seen anywhere in Florida since 1960 (Gann et al. 2002). Twenty-two of the 42 extirpated species were formerly known from the park only in cultivation. Ten of the extirpated species are introduced species that have either been removed from the park or have disappeared on their own.

# **Discussion**

Our field work and historical research report a historical flora of 454 native and naturalized plant taxa for the park, 496 including taxa that are or have been cultivated in the park. The most recent survey of the park's flora listed only 372 taxa (Stalter et al. 1999), two of which were redundant, and twenty-five that are false records, so we report an increase of 151 taxa to the park, including 134 that we discovered in our field surveys, and seventeen from other reliable sources. Of the 454 plants now known to occur in the park 322 (70.1%) are native, 108 (23.8%) are naturalized exotics, and 24 (5.3%) are known from the park only from cultivation.

A principal goal of the project was to record at least 90% of the park's flora. Obviously, as with any biological inventory, taxa remain undiscovered, but because of the systematic and thorough surveys we conducted it seems probable that we have well exceeded the 90% goal.

Many significant finds were made during the project, the most important being the discovery of *Opuntia corallicola* (Cactaceae) in the park. This species was formerly thought to be endemic to the lower Florida Keys, where it is known only from a single station where nine plants remain. We discovered the species on Swan Key in November 2001, and 570 plants have now been recorded there. This species is a candidate for listing by the U.S. Fish and Wildlife Service (Bradley & Woodmansee 2003).

Another significant rare plant discovery was that of *Phoradendron rubrum* on Sands Key in 2002. This tropical semi-parasite of *Swietenia mahagoni* was known from the wild in Florida with certainty only from Key Largo (Bradley 2004, Gann et al. 2002, Gann 2000). All wild plants have recently died on that island, leaving only the plants on Sands Key.

Other rare plant discoveries include the discovery of the critically imperiled *Pavonia paludicola* in the park, and the discoveries of new populations of the critically imperiled *Aristolochia pentandra*, *Caesalpinia major*, *Eugenia rhombea*, *Exostema caribaeum*, *Guajacum sanctum*, *Rhynchosia swartzii* and *Vallesia antillana*.

Also of importance was the discovery of invasive exotic plants in the park. Nine of the species we discovered are listed by the Florida Exotic Pest Plant Council (FLEPPC 2003). Efforts should be made by the National Park Service to eradicate incipient populations of these species.

**Acknowledgements:** This inventory was funded through the National Park Service Inventory and Monitoring Program, as part of the South Florida/Caribbean Network of Parks Inventory of Vertebrates and Vascular Plants. We would especially like to thank NPS ecologist Matt Patterson for the opportunity to conduct this project. We would also like to thank NPS staff Richard Curry, Shelby Moneysmith, Toby Obenauer, and Britton Wilson for their assistance.

We would also like to thank IRC employees Melissa Abdo, Kirsten Hines, Stephen Hodges, Jimi Sadle, and Emilie Verdon for their field and data entry help.

## **Citations:**

- Avery, G.N. 1978. Plants of Biscayne National Monument, an emended list of vascular plants. In files of The Institute for Regional Conservation, Miami, FL.
- Bradley, K.A. and S.W. Woodmansee. 2003. A significant new population of the rare semaphore pricklypear cactus, *Opuntia corallicola* (Cactaceae). Sida 20(2): 809-811.
- Bradley, K.A. 2004. The status of mahogany mistletoe (*Phoradendron rubrum* (L.) Grisebach) on Sands Key, Biscayne National Park. Report submitted to the U.S. National Park Service, Inventory and Monitoring Program by The Institute for Regional Conservation.
- Florida Exotic Pest Plant Council. 2003. Florida Exotic Pest Plant Council's List of Invasive Species. Published by the Florida Exotic Pest Plant Council
- Gann, G.D. 2000. Protection and conservation of endangered mahogany mistletoe (*Phoradendron rubrum*) at Key Largo Hammocks State Botanical Site. Report submitted to the Florida Department of Environmental Protection by The Institute for Regional Conservation.
- Gann, G.D, K.A. Bradley, and S.W. Woodmansee. 2002. Rare Plants of South Florida: Their History, Conservation, and Restoration. The Institute for Regional Conservation, Miami, Florida.
- Hammer, R.L., and K.A. Bradley. 1998. Checklist of vascular plants Biscayne National Park, Miami-Dade & Monroe Counties, Florida. July 1998. In files of The Institute for Regional Conservation, Miami, FL.
- Stalter, R., J. Tamory, P. Lynch, and B. Lockwood. 1999. The vascular flora of Biscayne National Park, Florida. Sida 18(4): 1207-1226.

Table 1: Vascular Plants of Biscayne National Park

Scientific Name	Common Name/s	Found By IRC	Occurrence <sup>2</sup>	Native Status <sup>3</sup>	Cultivated Status <sup>4</sup>	IRC Status <sup>5</sup> (South FL)	State Status <sup>6</sup>	Federal Status <sup>7</sup>
Abutilon permolle	Coastal Indian mallow	Yes	P	N	A			
Acacia choriophylla	Cinnecord	Yes	P	CA	С	SFX	Е	
Acacia farnesiana	Sweet acacia		Н	Н	A			
Acalypha chamaedrifolia	Three-seeded mercury, Bastard copperleaf	Yes	P	N	A			
Acanthocereus tetragonus	Barbwire cactus, Dildoe cactus	Yes	P	N	A		Т	
Acoelorraphe wrightii	Paurotis palm, Everglades palm	Yes	P	CA	С		Т	
Acrostichum aureum	Golden leather fern	Yes	P	N	A		Т	
Acrostichum danaeifolium	Giant leather fern	Yes	P	N	A			
Adonidia merrillii	Manilla palm, Christmas palm		Е	CA	Е			
Agave decipiens	False-sisal	Yes	P	N				
Agave sisalana	Sisal-hemp	Yes	P	A	Е			
Aloe vera	Aloe		Е	CA	Е			
Alternanthera flavescens	Yellow joyweed	Yes	P	N	A			
Alternanthera maritima	Seaside joyweed		F					
Alysicarpus vaginalis	White moneywort	Yes	P	A	A			
Amaranthus hybridus	Common pigweed, slim amaranth	Yes	P	A	A			
Amaranthus viridis	Slender amaranth	Yes	P	A	A			
Ambrosia artemisiifolia	Common ragweed	Yes	P	N	A			
Ammannia latifolia	Pink redstem, Toothcup	Yes	P	N	A			
Amphitecna latifolia	Black-calabash		Е	Е		SF1		
Amyris elemifera	Common torchwood, Sea torchwood	Yes	P	N	A			

<sup>&</sup>lt;sup>2</sup> D = Doubtfully Present, E = Extirpated, F = False, H = Historical, P = Present, S = Assumed Present

<sup>3</sup> N = Native, H = Historical, A = Exotic, CA = Cultivated Exotic, CN = Cultivated Native, E = Extirpated, D = Doubtfully Native

<sup>4</sup> A = Not Cultivated, C = Cultivated, E = Formerly Cultivated

<sup>5</sup> SFX = Extirpated in South Florida, SF1 = Critically Imperiled in South Florida

<sup>6</sup> E = Endangered, T = Threatened, C = Commercially Exploited, all by The Florida Department of Agriculture

<sup>7</sup> C = Candidate for Listing under the Endangered Species Act

Scientific Name	Common Name/s	Found By IRC	Occurrence <sup>2</sup>	Native Status <sup>3</sup>	Cultivated Status <sup>4</sup>	IRC Status <sup>5</sup> (South FL)	State Status <sup>6</sup>	Federal Status <sup>7</sup>
Andropogon glomeratus var. pumilus	Common bushy bluestem	Yes	P	N	A			
Andropogon longiberbis	Hairy bluestem	Yes	P	N	A			
Andropogon virginicus	Broomsedge bluestem		F					
Anemia adiantifolia	Pine fern, Maidenhair pineland fern	Yes	P	N	A			
Annona glabra	Pond-apple	Yes	P	N	A			
Ardisia escallonioides	Marlberry	Yes	P	N	A			
Argemone mexicana	Mexican pricklypoppy	Yes	P	N	A			
Argusia gnaphalodes	Sea-lavender, Sea-rosemary	Yes	P	N			Е	
Argythamnia blodgettii	Blodgett's wild mercury,Blodgett's silverbush		E	Е			Е	С
Aristida purpurascens	Arrowfeather threeawn	Yes	P	N	A			
Aristolochia pentandra	Marsh's dutchman's-pipe	Yes	P	N	A	SF1	Е	
Asparagus densiflorus	Sprenger's asparagus-fern	Yes	P	A	A			
Aster bracei	Brace's aster	Yes	P	N				
Aster subulatus	Annual saltmarsh aster	Yes	P	N	A			
Atriplex pentandra	Beach orach, Crested saltbush	Yes	P	N	A			
Avicennia germinans	Black mangrove	Yes	P	N	A			
Ayenia euphrasiifolia	Eyebright ayenia	Yes	P	N				
Baccharis angustifolia	Narrowleaved groundsel, Saltwater Falsewillow	Yes	P	N				
Baccharis glomeruliflora	Silverling	Yes	P	N				
Baccharis halimifolia	Saltbush, Groundsel tree, Seamyrtle	Yes	P	N	A			
Bacopa monnieri	Water hyssop, Herb-of-grace	Yes	P	N	A			
Batis maritima	Saltwort, Turtleweed	Yes	P	N				
Bidens alba var. radiata	Spanish-needles	Yes	P	N	A			
Blechnum serrulatum	Swamp fern, Toothed midsorus fern	Yes	P	CA	С			
Blechum pyramidatum	Green shrimpplant, Browne's blechum	Yes	P	A	A			
Bletia purpurea	Pinepink	Yes	P	N			Т	

Scientific Name	Common Name/s	Found By IRC	Occurrence <sup>2</sup>	Native Status <sup>3</sup>	Cultivated Status <sup>4</sup>	IRC Status <sup>5</sup> (South FL)	State Status <sup>6</sup>	Federal Status <sup>7</sup>
Blutaparon vermiculare	Samphire, Silverhead	Yes	P	N	A			
Boehmeria cylindrica	Button-hemp, False nettle, Bog hemp	Yes	Р	N	A			
Boerhavia diffusa	Red spiderling, wineflower	Yes	P	N	A			
Boerhavia erecta	Erect spiderling		D					
Borrichia arborescens	Green sea-oxeye-daisy, Tree seaside oxeye	Yes	Р	N	A			
Borrichia frutescens	Silver sea-oxeye-daisy, Bushy seaside oxeye	Yes	Р	N	A			
Borrichia xcubana	Cuban sea-oxeye-daisy	Yes	P	N				
Bothriochloa barbinodis			F					
Bothriochloa ischaemum var. songarica	King ranch bluestem, Yellow bluestem	Yes	Р	A				
Bothriochloa pertusa	Pitted bluestem, Pitted beardgrass	Yes	P	A	A			
Bougainvillea glabra	Paper flower		Е	CA	Е			
Bourreria radula	Rough strongback		F			SF1	Е	
Bourreria succulenta	Smooth strongback, Bahama strongbark	Yes	Р	N			Е	
Bucida buceras	Common black-olive		Е	D				
Bursera simaruba	Gumbo-limbo	Yes	P	N	A			
Byrsonima lucida	Locustberry	Yes	P	CN	С		Т	
Caesalpinia bonduc	Gray nicker-bean	Yes	P	N	A			
Caesalpinia major	Yellow nicker-bean	Yes	P	N	A	SF1	Е	
Cakile lanceolata	Coastal searocket	Yes	P	N	A			
Calyptocarpus vialis	Straggler-daisy	Yes	P	A				
Calyptranthes pallens	Spicewood, Pale lidflower	Yes	P	N	С		Т	
Canavalia rosea	Beach-bean, Baybean, Seaside jackbean	Yes	P	N	A			
Canella winterana	Cinnamon bark, Pepper cinnamon	Yes	P	N			Е	
Capparis cynophallophora	Jamaica caper-tree	Yes	Р	N				
Capparis flexuosa	Limber caper, Bayleaf capertree	Yes	P	N				
Capraria biflora	Goatweed	Yes	P	N	A			

Scientific Name	Common Name/s	Found By IRC	Occurrence <sup>2</sup>	Native Status <sup>3</sup>	Cultivated Status <sup>4</sup>	IRC Status <sup>5</sup> (South FL)	State Status <sup>6</sup>	Federal Status <sup>7</sup>
Capsicum annuum var. glabriusculum	Bird pepper, Cayenne pepper	Yes	P	N				
Capsicum frutescens	Tabasco pepper		F					
Cardamine pensylvanica	Pennsylvania bittercress	Yes	P	N				
Cardiospermum corindum	Balloonvine, Heartseed	Yes	P	N				
Cardiospermum halicacabum	Balloonvine, Love-in-a-puff		F					
Cardiospermum microcarpum	Balloonvine, Heartseed	Yes	P	N				
Carica papaya	Papaya	Yes	P	A	Е			
Cassytha filiformis	Lovevine, Devil's gut		Н	Н	A			
Casuarina equisetifolia	Australian-pine, Horsetail casuarina	Yes	P	A				
Casuarina glauca	Suckering Australian-pine, Gray sheoak		E	CA	E			
Catharanthus roseus	Madagascar-periwinkle	Yes	P	A	Е			
Celosia nitida	West Indian cock's comb	Yes	P	N	A		Е	
Cenchrus brownii	Slimbristle sandbur		D			SFX		
Cenchrus echinatus	Southern sandbur	Yes	P	N	A			
Cenchrus incertus	Coastal sandbur	Yes	P	N	A			
Centella asiatica	Coinwort, Spadeleaf	Yes	P	N	A			
Cestrum diurnum	Dayflowering jessamine	Yes	P	A				
Chamaecrista nictitans var. aspera	Hairy partridge-pea, Hairy sensitive-pea	Yes	Р	N				
Chamaesyce blodgettii	Limestone sandmat	Yes	P	N	A			
Chamaesyce bombensis	Sand-dune spurge, Dixie sandmat	Yes	P	N				
Chamaesyce conferta	Everglades key sandmat	Yes	P	N	A			
Chamaesyce hirta	Hairy spurge, Pillpod sandmat	Yes	P	N	A			
Chamaesyce hypericifolia	Eyebane, Graceful sandmat	Yes	P	N	A			
Chamaesyce hyssopifolia	Eyebane, Hyssopleaf sandmat	Yes	P	N	A			
Chamaesyce lasiocarpa	Roadside sandmat	Yes	P	A				
Chamaesyce maculata	Milk-purslane, Spotted sandmat		Н	Н				
Chamaesyce mendezii	Mendez's sandmat	Yes	P	A				
Chamaesyce mesembrianthemifolia	Seaside spurge, Coastal beach	Yes	Р	N	A			

Scientific Name	Common Name/s	Found By IRC	Occurrence <sup>2</sup>	Native Status <sup>3</sup>	Cultivated Status <sup>4</sup>	IRC Status <sup>5</sup> (South FL)	State Status <sup>6</sup>	Federal Status <sup>7</sup>
	sandmat							
Chamaesyce ophthalmica	Florida hammock sandmat	Yes	P	N	A			
Chamaesyce porteriana	Porter's sandmat	Yes	P	N	A		Е	
Chamaesyce prostrata	Prostrate sandmat		Н	Н				
Chiococca alba	Common snowberry, Milkberry	Yes	P	N	A			
Chiococca parvifolia	Pineland snowberry	Yes	P	N	A			
Chromolaena odorata	Jack-in-the-bush	Yes	P	N	A			
Chrysobalanus icaco	Coco-plum	Yes	P	CN	С			
Chrysophyllum oliviforme	Satinleaf	Yes	P	N			Т	
Citharexylum spinosum	Florida fiddlewood	Yes	P	N				
Citrus aurantifolia	Key lime	Yes	P	CA	С			
Citrus aurantium	Sour orange		Е	CA	Е			
Citrus limon	Lemon		Е	CA	Е			
Citrus reticulata	Tangerine		Е	CA	Е			
Cladium jamaicense	Saw-grass, Jamaica swamp sawgrass	Yes	P	N				
Clusia rosea	Pitch-apple		Е	CA	Е			
Coccoloba diversifolia	Pigeonplum, Tietongue	Yes	P	N	A			
Coccoloba uvifera	Seagrape	Yes	P	N	A			
Coccothrinax argentata	Florida silver palm		Н	Н			Т	
Coccothrinax barbadensis		Yes	P	CA	С			
Cocos nucifera	Coconut palm	Yes	P	A	С			
Colubrina arborescens	Coffee colubrina, Greenheart	Yes	P	N			Е	
Colubrina asiatica	Latherleaf, Asian nakedwood	Yes	P	A	A			
Colubrina elliptica	Nakedwood, Soldierwood	Yes	P	N			Е	
Commelina diffusa	Common dayflower	Yes	P	A	A			
Commelina erecta	Whitemouth dayflower	Yes	P	N				
Conocarpus erectus	Buttonwood	Yes	P	N	A			
Conyza canadensis var. pusilla	Dwarf Canadian horseweed	Yes	P	N	A			
Cordia globosa	Butterflybush, Curacao bush		Е	Е			Е	

Scientific Name	Common Name/s	Found By IRC	Occurrence <sup>2</sup>	Native Status <sup>3</sup>	Cultivated Status <sup>4</sup>	IRC Status <sup>5</sup> (South FL)	State Status <sup>6</sup>	Federal Status <sup>7</sup>
Cordia sebestena	Orange geigertree, Largeleaf geigertree	Yes	Р	A	С			
Cordyline fruticosa		Yes	P	CA	С			
Coronopus didymus	Lesser swinecress		D					
Crossopetalum ilicifolium	Quailberry, Christmasberry		Е	Е			Т	
Crossopetalum rhacoma	Rhacoma, Maidenberry		Е	Е			Т	
Crotalaria pumila	Low rattlebox		Н	Н	A			
Crotalaria rotundifolia	Rabbitbells	Yes	P	N				
Cyclospermum leptophyllum	Marsh parsley	Yes	P	A				
Cymbopogon citratus	Lemongrass		Е	CA	Е			
Cynanchum angustifolium	Vine milkweed, Gulf Coast swallowwort	Yes	Р	N	A			
Cynanchum bahamense			F					
Cynanchum northropiae	Vine milkweed, Fragrant swallowwort	Yes	Р	N				
Cynanchum scoparium	Hairnetvine, Leafless swallowwort		Н	Н	A			
Cynodon dactylon	Bermuda grass	Yes	P	A	Е			
Cyperus compressus	Poorland flatsedge	Yes	P	N	A			
Cyperus croceus	Baldwin's flatsedge	Yes	P	N	A			
Cyperus esculentus	Yellow nut-grass, Chufa flatsedge	Yes	P	A	A			
Cyperus involucratus	Umbrella plant		Е	CA	Е			
Cyperus ligularis	Swamp flatsedge	Yes	P	N	A			
Cyperus odoratus	Fragrant flatsedge		Н	Н				
Cyperus planifolius	Flatleaf flatsedge	Yes	P	N				
Cyperus polystachyos	Manyspike flatsedge	Yes	P	N	A			
Cyperus rotundus	Nut-grass	Yes	P	A	A			
Cyperus sphacelatus	Road-side flatsedge	Yes	P	A	A			
Cyperus surinamensis	Tropical flatsedge	Yes	P	N	A			
Dactyloctenium aegyptium	Crow's-foot grass, Durban crowfootgrass	Yes	Р	A	A			
Dalbergia brownii	Brown's Indian rosewood	Yes	P	N	A		Е	

Scientific Name	Common Name/s	Found By IRC	Occurrence <sup>2</sup>	Native Status <sup>3</sup>	Cultivated Status <sup>4</sup>	IRC Status <sup>5</sup> (South FL)	State Status <sup>6</sup>	Federal Status <sup>7</sup>
Dalbergia ecastaphyllum	Coinvine	Yes	P	N	A			
Delonix regia	Royal poinciana, Flamboyant	Yes	P	A	Е			
Desmanthus virgatus	Wild tantan	Yes	P	N	A			
Desmodium incanum	Beggar's-ticks	Yes	P	N	A			
Desmodium triflorum	Threeflower ticktrefoil	Yes	P	A	A			
Dichondra carolinensis	Pony-foot, Carolina ponysfoot	Yes	P	N	A			
Dicliptera sexangularis	False-mint, Sixangle foldwing	Yes	P	N	A			
Digitaria bicornis	Asia crabgrass	Yes	P	A	A			
Digitaria ciliaris	Southern crabgrass	Yes	P	N	A			
Digitaria filiformis var. dolichophylla	Caribbean crabgrass		D				Т	
Distichlis spicata	Saltgrass	Yes	P	N				
Dodonaea viscosa	Varnishleaf, Florida hopbush	Yes	P	N				
Dracaena marginata		Yes	P	CA	С			
Drypetes diversifolia	Milkbark, Whitewood	Yes	P	N			Е	
Drypetes lateriflora	Guiana-plum	Yes	P	N			Т	
Echites umbellata	Devil's-potato, Rubbervine	Yes	P	N	A			
Eclipta prostrata	False-daisy	Yes	P	N	A			
Eleocharis cellulosa	Gulf Coast spikerush	Yes	P	N	A			
Eleocharis equisetoides			F					
Eleocharis geniculata	Canada spikerush	Yes	P	N	A			
Eleocharis interstincta	Knotted spikerush	Yes	P	N				
Eleusine indica	Indian goose grass	Yes	P	A	A			
Emilia fosbergii	Florida tasselflower	Yes	P	A	A			
Encyclia boothiana var. erythronioides	Dollar orchid		Н	Н	A		Е	
Encyclia tampensis	Florida butterfly orchid	Yes	P	N	A		С	
Epipremnum pinnatum	Golden pothos		E	A	Е			
Eragrostis amabilis	Feather love grass	Yes	P	A	A			
Eragrostis ciliaris	Gophertail love grass	Yes	P	A	A			

Scientific Name	Common Name/s	Found By IRC	Occurrence <sup>2</sup>	Native Status <sup>3</sup>	Cultivated Status <sup>4</sup>	IRC Status <sup>5</sup> (South FL)	State Status <sup>6</sup>	Federal Status <sup>7</sup>
Eragrostis elliottii	Elliott's love grass	Yes	P	N	A			
Eremochloa ophiuroides	Centipede grass	Yes	P	A	Е			
Erigeron quercifolius	Southern-fleabane, Oakleaf fleabane	Yes	Р	N				
Erithalis fruticosa	Blacktorch	Yes	P	N			Т	
Ernodea littoralis	Beach-creeper, Coughbush	Yes	P	CN	С			
Erucastrum gallicum	Common dogmustard		Н	A	A			
Erythrina herbacea	Coral-bean, Cherokee bean	Yes	P	N				
Eugenia axillaris	White stopper	Yes	P	N	A			
Eugenia confusa	Ironwood, Redberry stopper	Yes	P	N			Е	
Eugenia foetida	Spanish stopper, Boxleaf stopper	Yes	P	N	A			
Eugenia rhombea	Red stopper	Yes	P	N		SF1	Е	
Eugenia uniflora	Surinam-cherry	Yes	P	A	Е			
Eupatorium capillifolium	Dog-fennel	Yes	P	N	A			
Eupatorium leptophyllum	Falsefennel		D					
Eupatorium serotinum	Lateflowering thoroughwort	Yes	P	N	A			
Euphorbia graminea	Grassleaf spurge	Yes	P	A	A			
Eustachys glauca	Prairie fingergrass, Saltmarsh fingergrass	Yes	Р	N				
Eustachys petraea	Common fingergrass, Pinewoods fingergrass	Yes	P	N	A			
Eustoma exaltatum	Seaside gentian, Marshgentian	Yes	P	N	A			
Exostema caribaeum	Caribbean princewood	Yes	P	N		SF1	Е	
Exothea paniculata	Inkwood, Butterbough	Yes	P	N	A			
Ficus altissima	Council tree		E	A	Е			
Ficus aurea	Strangler fig, Golden fig	Yes	P	N	A			
Ficus citrifolia	Short-leaf fig, Wild banyan tree	Yes	Р	N	A			
Fimbristylis cymosa	Hurricane sedge, Hurricanegrass	Yes	P	A	A			
Fimbristylis spadicea	Marsh fimbry	Yes	P	N	A			
Flaveria linearis	Narrowleaf yellowtops	Yes	Р	N	A			

Scientific Name	Common Name/s	Found By IRC	Occurrence <sup>2</sup>	Native Status <sup>3</sup>	Cultivated Status <sup>4</sup>	IRC Status <sup>5</sup> (South FL)	State Status <sup>6</sup>	Federal Status <sup>7</sup>
Flaveria trinervia	Annual yellowtop, Clustered yellowtops	Yes	Р	N	A			
Furcraea foetida	Mauritius-hemp	Yes	P	A	Е			
Galactia regularis	Eastern milkpea		F					
Galactia striata	Florida hammock milkpea	Yes	P	N	A			
Galium tinctorium	Stiff marsh bedstraw	Yes	P	N				
Gardenia angusta			Е	CA	Е			
Gaura angustifolia	Southern gaura, Southern beeblossum	Yes	Р	N				
Genipa clusiifolia	Sevenyear-apple, Sevenyear apple	Yes	P	N				
Gliricidia sepium	Nicaraguan cocoa shade		E	CA	Е			
Gnaphalium pennsylvanicum	Cudweed, Pennsylvania everlasting		Н	Н	A			
Gnaphalium purpureum	Purple cudweed, Spoonleaf purple everlasting		D					
Gomphrena serrata	Globe-amaranth	Yes	P	A	A			
Gossypium hirsutum	Wild cotton, Upland cotton	Yes	P	N			Е	
Gouania lupuloides	Chewstick, Whiteroot	Yes	P	N	A			
Guajacum sanctum	Lignumvitae, Holywood lignumvitae	Yes	Р	N		SF1	Е	
Guapira discolor	Blolly, Beeftree	Yes	P	N	A			
Guettarda elliptica	Everglades velvetseed, Hammock velvetseed	Yes	P	N	A			
Guettarda scabra	Rough velvetseed		Н	Н	A			
Gymnanthes lucida	Crabwood, Oysterwood	Yes	P	N	A			
Halodule wrightii	Shoal-grass, Shoalweed	Yes	P	N	A			
Halophila decipiens	Caribbean seagrass		S	N	A			
Hamelia patens	Firebush	Yes	Р	CN	С			
Harrisia aboriginum	Aboriginal pricklyapples, Prickly applecactus		F			SF1	Е	
Harrisia simpsonii	Simpson's pricklyapples, Simpson's applecactus	Yes	P	N	A		Е	
Hedyotis corymbosa	Flattop mille graines	Yes	P	A	A			

Scientific Name	Common Name/s	Found By IRC	Occurrence <sup>2</sup>	Native Status <sup>3</sup>	Cultivated Status <sup>4</sup>	IRC Status <sup>5</sup> (South FL)	State Status <sup>6</sup>	Federal Status <sup>7</sup>
Helianthus debilis	East Coast dune sunflower	Yes	Р	CN	С			
Heliotropium angiospermum	Scorpionstail	Yes	P	N	A			
Heliotropium curassavicum	Seaside heliotrope, Salt heliotrope	Yes	P	N	A			
Heliotropium polyphyllum	Pineland heliotrope	Yes	P	N	A			
Heliotropium procumbens	Fourspike heliotrope	Yes	P	A	A			
Herissantia crispa	Bladdermallow	Yes	P	N	A			
Hibiscus rosa-sinensis	Garden rosemallow, Shoe-back- plant		Е	CA	Е			
Hibiscus tiliaceus	Seaside mahoe, Sea hibiscus, mahoe	Yes	Р	A				
Hippocratea volubilis	Medicine vine	Yes	P	N				
Hippomane mancinella	Manchineel	Yes	P	N			Е	
Hydrocotyle verticillata	Whorled marshpennywort	Yes	P	N				
Hymenocallis latifolia	Mangrove spiderlily, Perfumed spiderlily	Yes	Р	N	A			
Indigofera spicata	Creeping indigo, Trailing indigo	Yes	P	A	A			
Ipomoea alba	Common moonflowers, Moonflowers	Yes	P	N	A			
Ipomoea batatas	Sweetpotato		Е	CA	Е			
Ipomoea hederacea	Ivyleaf moriningglory	Yes	P	A				
Ipomoea indica var. acuminata	Ocean-blue morningglory	Yes	P	N	A			
Ipomoea pes-caprae subsp. brasiliensis	Railroadvine, Bayhops	Yes	Р	N	A			
Ipomoea triloba	Three-lobed morningglory, Littlebell	Yes	P	A				
Ipomoea violacea	Coastal morningglory	Yes	P	N				
Iresine diffusa	Bloodleaf, Juba's bush	Yes	P	N	A			
Iva frutescens	Saltmarsh-elder, Bigleaf sumpweed		F					
Iva imbricata	Beach-elder, Seacoast marshelder	Yes	P	N	A			
Jacquinia keyensis	Joewood	Yes	P	N			Т	
Jasminum nitidum	Angelwing jasmine	Yes	P	CA	С			
Jasminum sambac	Arabian jasmine	Yes	P	CA	С			

Scientific Name	Common Name/s	Found By IRC	Occurrence <sup>2</sup>	Native Status <sup>3</sup>	Cultivated Status <sup>4</sup>	IRC Status <sup>5</sup> (South FL)	State Status <sup>6</sup>	Federal Status <sup>7</sup>
Jatropha multifida			Е	CA	Е			
Juncus roemerianus	Black needle rush, Needle rush, Black rush	Yes	Р	N				
Kalanchoe daigremontiana	Devil's-backbone		Е	A	Е			
Kalanchoe fedtschenkoi	Lavender scallops		Е	A	Е			
Kalanchoe gastronis-bonnieri	Palm beachbells		Е	A	Е			
Kalanchoe pinnata	Common liveleaf, Cathedral bells, Life plant	Yes	Р	A	Е			
Kalanchoe tubiflora	Chandelier plant		Е	A	Е			
Krugiodendron ferreum	Black ironwood, Leadwood	Yes	P	N	A			
Kyllinga brevifolia	Shortleaf spikesedge	Yes	P	A				
Laguncularia racemosa	White mangrove	Yes	P	N	A			
Lantana camara	Shrubverbena	Yes	P	A				
Lantana involucrata	Wild-sage, Buttonsage	Yes	P	N	A			
Lasiacis divaricata	Smallcane, Florida tibisee	Yes	P	N	A			
Latania loddigesii	Blue latan palm		Е	CA	Е			
Latania lontaroides	Red latan palm		Е	CA	Е			
Launaea intybacea	Achicoria azul	Yes	P	A	A			
Leiphaimos parasitica	Parasitic ghostplant	Yes	P	N	A		Е	
Lepidium virginicum	Poor-man's-pepper, Virginia pepperweed	Yes	Р	N	A			
Leptochloa fascicularis	Bearded spangletop, Bearded sprangletop	Yes	Р	N	A			
Leucaena leucocephala	White leadtree	Yes	P	A				
Limonium carolinianum	Saltmarsh-rosemary, Carolina sealavender	Yes	Р	N				
Linaria canadensis	Canada toadflax		Н	Н				
Livistona chinensis	Chinese fan palm	Yes	P	CA	С			
Ludwigia bonariensis			F					
Ludwigia octovalvis	Mexican primrosewillow	Yes	P	N	A			
Lycium carolinianum	Christmasberry, Carolina desertthorn	Yes	P	N	A			

Scientific Name	Common Name/s	Found By IRC	Occurrence <sup>2</sup>	Native Status <sup>3</sup>	Cultivated Status <sup>4</sup>	IRC Status <sup>5</sup> (South FL)	State Status <sup>6</sup>	Federal Status <sup>7</sup>
Lysiloma latisiliquum	Wild-tamarind, False tamarind	Yes	Р	N	A			
Lysiloma sabicu	Sabicu	Yes	P	CA	С			
Lythrum alatum var. lanceolatum	Winged loosestrife	Yes	P	N	A			
Macroptilium lathyroides	Wild-bean, Wild bushbean	Yes	P	A	A			
Malvastrum corchorifolium	False mallow	Yes	P	N	A			
Mangifera indica	Mango	Yes	P	A	Е			
Manilkara jaimiqui subsp. emarginata	Wild dilly	Yes	P	N			Т	
Manilkara zapota	Sapodilla	Yes	P	A	Е			
Maytenus phyllanthoides	Florida mayten	Yes	P	N			Т	
Medicago lupulina	Black medic	Yes	P	A	A			
Melaleuca viminalis	Weeping bottlebrush	Yes	P	A	Е			
Melanthera nivea	Snow squarestem	Yes	P	N	A			
Melicoccus bijugatus	Spanish lime		E	CA	Е			
Melilotus albus	White sweetclover	Yes	P	A	A			
Melilotus officinalis			D					
Melothria pendula	Creeping-cucumber	Yes	P	N	A			
Mentzelia floridana	Poorman's-patch, Stickleaf	Yes	P	N				
Metopium toxiferum	Poisonwood, Florida poisontree	Yes	P	N	A			
Microgramma heterophylla	Climbing vine fern		Е	Е			Е	
Mikania cordifolia	Florida Keys hempvine		D					
Mikania scandens	Climbing hempweed, Climbing hempvine	Yes	Р	N	A			
Mitreola petiolata	Miterwort, Lax hornpod		Н	Н	A			
Momordica charantia	Wild balsam-apple, Balsampear		Н	Н	A			
Monanthochloe littoralis	Shoregrass, Keygrass	Yes	P	N	A			
Morinda citrifolia	Indian mulberry		Н	A	A			
Morinda royoc	Yellowroot, Redgal, Mouse's pineapple	Yes	P	N	A			
Muhlenbergia capillaris	Muhlygrass, Hairawnmuhly	Yes	P	N	A			
Musa acuminata	Dwarf banana	Yes	P	CA	С			

Scientific Name	Common Name/s	Found By IRC	Occurrence <sup>2</sup>	Native Status <sup>3</sup>	Cultivated Status <sup>4</sup>	IRC Status <sup>5</sup> (South FL)	State Status <sup>6</sup>	Federal Status <sup>7</sup>
Myrcianthes fragrans	Twinberry, Simpson's stopper	Yes	Р	CA	С		Т	
Myrica cerifera	Wax myrtle, Southern Bayberry	Yes	P	CN	С			
Nama jamaicense	Jamaicanweed	Yes	P	N	A			
Nephrolepis biserrata	Giant sword fern		F				Т	
Nephrolepis cordifolia	Tuberous sword fern	Yes	P	A				
Nephrolepis falcata f. furcans	Fishtail fern		Е	CA	Е			
Nerium oleander	Oleander	Yes	P	CA	С			
Nevrodium lanceolatum	Ribbon fern		Е	Е		SFX	Е	
Neyraudia reynaudiana	Burmareed, Silkreed	Yes	P	A	A			
Ochrosia elliptica	Elliptic yellowwood	Yes	P	A				
Ocotea coriacea	Lancewood	Yes	P	N	A			
Oeceoclades maculata	African ground orchid, Monk orchid	Yes	Р	A	A			
Okenia hypogaea	Beach-peanut, Burrowing four- o'clock	Yes	Р	N			Е	
Opuntia cochenillifera	Cochineal cactus	Yes	P	A	Е			
Opuntia corallicola	Semaphore pricklypear	Yes	P	N	A	SF1	Е	С
Opuntia stricta	Erect pricklypear	Yes	P	N			Т	
Oxalis corniculata	Lady's-sorrel, Common yellow woodsorrel	Yes	Р	N	A			
Oxalis debilis var. corymbosa	Violet wood sorrel, Pink woodsorrel	Yes	Р	A				
Panicum amarum	Beachgrass, Bitter panicgrass	Yes	P	N	A			
Panicum dichotomiflorum var. bartowense	Hairy fall panic grass	Yes	Р	N	A			
Panicum maximum	Guineagrass	Yes	P	A				
Panicum repens	Torpedo grass	Yes	P	A	A			
Panicum virgatum	Switchgrass		D					
Parietaria floridana	Florida pellitory	Yes	P	N	A			
Parkinsonia aculeata	Mexican palo verde, Jerusalam thorn		E	CA	Е			
Parthenium hysterophorus	Santa Maria, Santa Maria feverfew	Yes	P	A	A			

Scientific Name	Common Name/s	Found By IRC	Occurrence <sup>2</sup>	Native Status <sup>3</sup>	Cultivated Status <sup>4</sup>	IRC Status <sup>5</sup> (South FL)	State Status <sup>6</sup>	Federal Status <sup>7</sup>
Parthenocissus quinquefolia	Virginia-creeper, Woodbine	Yes	Р	N	A			
Paspalidium chapmanii	Coral panicum	Yes	P	N			Е	
Paspalum blodgettii	Coral paspalum, Blodgett's crowngrass	Yes	Р	N	A			
Paspalum caespitosum	Blue paspalum, Blue crowngrass	Yes	P	N	A			
Paspalum distichum	Knot grass		D					
Paspalum notatum	Bahia grass	Yes	P	A				
Paspalum pleostachyum	Tropical paspalum	Yes	P	D				
Paspalum setaceum	Thin paspalum	Yes	P	N	A			
Paspalum vaginatum	Seashore paspalum	Yes	P	N	A			
Passiflora multiflora	Whiteflower passionflower	Yes	P	N			Е	
Passiflora suberosa	Corkystem passionflower	Yes	P	N	A			
Pavonia paludicola	Mangrove mallow, Swampbush	Yes	P	N		SF1	Е	
Pectis glaucescens	Tea-blinkum, Sanddune cinchweed	Yes	P	N	A			
Pectis prostrata	Spreading cinchweed	Yes	P	N	A			
Pectis xfloridana		Yes	P	N				
Pedilanthus tithymaloides subsp. smallii	Jacob's ladder, Devil's backbone		E	A	Е			
Pennisetum polystachion	West Indian pennisetum, Missiongrass		F					
Pennisetum purpureum	Napier grass, Elephantgrass	Yes	P	A	A			
Pentalinon luteum	Wild-allamanda, Hammock viperstail	Yes	P	N				
Petiveria alliacea	Guinea hen weed	Yes	P	N				
Phlebodium aureum	Golden polypody	Yes	P	N				
Phoenix canariensis	Canary Island date palm	Yes	P	CA	С			
Phoenix dactylifera	Commercial date palm, Date	Yes	Р	A	С			
Phoenix reclinata	Senegal date palm	Yes	P	A	С			
Phoradendron rubrum	Mahogany mistletoe	Yes	P	N		SF1	Е	
Phragmites australis	Common reed	Yes	P	N				
Phyla nodiflora	Frog fruit, Turkey tangle fogfruit,	Yes	P	N	A			

Scientific Name	Common Name/s	Found By IRC	Occurrence <sup>2</sup>	Native Status <sup>3</sup>	Cultivated Status <sup>4</sup>	IRC Status <sup>5</sup> (South FL)	State Status <sup>6</sup>	Federal Status <sup>7</sup>
	Capeweed							
Phyla stoechadifolia	Southern fogfruit	Yes	P	N			Е	
Phyllanthus amarus	Gale-of-wind, Carry-me-seed	Yes	P	A	A			
Phyllanthus caroliniensis subsp. saxicola	Rock Carolina leafflower	Yes	Р	N	A			
Phyllanthus pentaphyllus var. floridanus	Florida five-petalled leafflower	Yes	P	N				
Phyllanthus tenellus	Mascarene Island leafflower	Yes	P	A				
Physalis angulata	Cutleaf groundcherry	Yes	P	N	A			
Pilea microphylla	Artillery plant, Rockweed	Yes	P	N	A			
Piscidia piscipula	Jamaica-dogwood, Florida fishpoison tree	Yes	Р	N	A			
Pisonia aculeata	Devil's claws, Pullback	Yes	P	N	A			
Pithecellobium dulce	Manila-tamarind, Monkey pod		F					
Pithecellobium keyense	Florida Keys blackbead	Yes	P	N	A		Т	
Pithecellobium unguis-cati	Cat's-claw, Catclaw blackbead	Yes	P	N				
Plantago major	Common plantain	Yes	P	A	A			
Pleopeltis polypodioides var. michauxiana	Resurrection fern	Yes	Р	N	A			
Pluchea carolinensis	Cure-for-all	Yes	P	N	A			
Pluchea odorata	Sweetscent	Yes	P	N	A			
Pluchea rosea	Rosy camphorweed	Yes	P	N				
Poinsettia cyathophora	Paintedleaf, Fire-on-the-mountain	Yes	P	N	A			
Poinsettia heterophylla	Fiddler's spurge, Mexican fireplant	Yes	P	N				
Poinsettia pinetorum	Pineland poinsettia, Pineland spurge		D				Е	
Polypremum procumbens	Rustweed, Juniperleaf	Yes	P	N	A			
Polystachya concreta	Greater yellowspike orchid		Е	Е			Е	
Portulaca oleracea	Purslane, Little hogweed	Yes	P	N				
Portulaca pilosa	Pink purslane, Kiss-me-quick	Yes	P	N	A			
Pouteria campechiana	Canistel, Eggfruit		Е	CA	Е			

Scientific Name	Common Name/s	Found By IRC	Occurrence <sup>2</sup>	Native Status <sup>3</sup>	Cultivated Status <sup>4</sup>	IRC Status <sup>5</sup> (South FL)	State Status <sup>6</sup>	Federal Status <sup>7</sup>
Pouteria domingensis			D					
Proserpinaca palustris	Mermaid weed, Marsh mermaidweed		D					
Prunus myrtifolia	West Indian cherry		D				Т	
Pseudophoenix sargentii	Sargent's palm, Sargent's cherry palm	Yes	P	N	С	SF1	Е	
Psidium guajava	Guava	Yes	P	A				
Psilotum nudum	Whisk-fern	Yes	P	N	A			
Psychotria nervosa	Shiny-leaved wild-coffee	Yes	P	N	A			
Pteridium aquilinum var. caudatum	Lacy braken fern		S	N	A			
Pteris bahamensis	Bahama ladder brake	Yes	P	N	A		Т	
Pteris vittata	China brake	Yes	P	A	A			
Randia aculeata	White indigoberry	Yes	P	N	A			
Reynosia septentrionalis	Darlingplum	Yes	P	N			Т	
Rhabdadenia biflora	Mangrove rubbervine, Mangrovevine	Yes	Р	N				
Rhizophora mangle	Red mangrove	Yes	P	N	A			
Rhynchelytrum repens	Rose Natalgrass	Yes	P	A	A			
Rhynchosia minima	Least snoutbean	Yes	P	N	A			
Rhynchosia swartzii	Swartz's snoutbean	Yes	P	N	A	SF1	Е	
Rhynchospora colorata	Starrush whitetop		S	N	A			
Richardia grandiflora	Largeflower Mexican clover	Yes	P	A	A			
Ricinus communis	Castor-bean	Yes	P	A				
Rivina humilis	Rougeplant	Yes	P	N	A			
Rottboellia cochinchinensis	Itch grass	Yes	P	A	A			
Sabal palmetto	Cabbage palm	Yes	P	N	A			
Sagittaria graminea var. weatherbiana			F					
Sagittaria lancifolia	Bulltongue arrowhead		S	N	A			
Salicornia bigelovii	Annual glasswort	Yes	P	N	A			
Salicornia perennis	Perennial glasswort	Yes	P	N	A			

Scientific Name	Common Name/s	Found By IRC	Occurrence <sup>2</sup>	Native Status <sup>3</sup>	Cultivated Status <sup>4</sup>	IRC Status <sup>5</sup> (South FL)	State Status <sup>6</sup>	Federal Status <sup>7</sup>
Salvia micrantha	Blodgett's sage, Yucatan sage		Е	Е		SFX		
Salvia serotina	Sage, Littlewoman	Yes	P	N				
Samolus ebracteatus	Water pimpernel, Limewater brookweed	Yes	Р	N	A			
Samolus valerandi subsp. parviflorus	Pineland pimpernel, Seaside brookweed	Yes	Р	N	A			
Sansevieria hyacinthoides	Bowstring-hemp, Mother-in-laws tongue	Yes	P	A	E			
Sansevieria trifasciata	Snake plant		Е	CA	Е			
Sapindus saponaria	Soapberry	Yes	P	N				
Sarcostemma clausum	Whitevine, White twinevine	Yes	P	N	A			
Scaevola sericea	Beach napuka	Yes	P	A				
Schaefferia frutescens	Florida boxwood	Yes	P	N			Е	
Schefflera actinophylla	Australian umbrellatree		Е	A	Е			
Schinus terebinthifolius	Brazilian-pepper	Yes	P	A				
Schizachyrium gracile	Wire bluestem	Yes	P	N	A			
Schizachyrium sanguineum	Crimson bluestem	Yes	P	N	A			
Schizachyrium scoparium	Little bluestem		F					
Schoepfia chrysophylloides	Gulf graytwig, Graytwig	Yes	P	N				
Senna pendula var. glabrata	Valamuerto	Yes	P	A				
Serenoa repens	Saw palmetto	Yes	P	CN	С			
Sesbania herbacea	Danglepod	Yes	P	N	A			
Sesuvium maritimum	Annual sea-purslane, Slender seapurslane	Yes	Р	N				
Sesuvium portulacastrum	Perennial sea-purslane, Shoreline seapurslane	Yes	Р	N	A			
Setaria macrosperma	Coastal foxtail, Coral bristlegrass	Yes	P	N				
Setaria palmifolia			D					
Setaria parviflora	Knotroot foxtail, Yellow bristlegrass	Yes	Р	N	A			
Sida abutifolia	Spreading fanpetals	Yes	Р	N	A			
Sida acuta	Common wireweed, Common	Yes	P	N	A			

Scientific Name	Common Name/s	Found By IRC	Occurrence <sup>2</sup>	Native Status <sup>3</sup>	Cultivated Status <sup>4</sup>	IRC Status <sup>5</sup> (South FL)	State Status <sup>6</sup>	Federal Status <sup>7</sup>
	fanpetals							
Sida ciliaris	Bracted fanpetals, Fringed fanpetals	Yes	P	N	A			
Sida rhombifolia	Cuban jute, Indian hemp	Yes	P	N	A			
Sideroxylon celastrinum	Saffronplum	Yes	P	N				
Sideroxylon foetidissimum	Wild mastic, False mastic	Yes	P	N	A			
Sideroxylon salicifolium	Willow-bustic, White bully	Yes	P	N	A			
Simarouba glauca	Paradisetree	Yes	P	N	A			
Smilax auriculata	Earleaf greenbrier	Yes	P	N				
Smilax havanensis	Havana greenbrier, Everglades greenbrier	Yes	P	N	A		Т	
Solanum americanum	Common nightshade, American black nightshade	Yes	P	N	A			
Solanum bahamense	Bahama nightshade	Yes	P	N				
Solanum chenopodioides	Black nightshade		D			SF1		
Solanum erianthum	Potatotree	Yes	P	N				
Solanum verbascifolium	Mullein nightshade	Yes	P	N			Т	
Solidago sempervirens	Seaside goldenrod	Yes	P	N				
Sonchus asper	Spiny sowthistle	Yes	P	A				
Sonchus oleraceus	Common sowthistle		Н	A				
Sophora tomentosa var. occidentalis		Yes	P	A	С			
Sophora tomentosa var. truncata	Yellow necklacepod	Yes	P	N				
Sorghum arundinaceum	Broomcorn	Yes	P	A	A			
Spartina patens	Marshhay cordgrass, Saltmeadow cordgrass	Yes	P	N	A			
Spartina spartinae	Gulf cordgrass	Yes	P	N	A			
Spermacoce assurgens	Woodland false buttonweed	Yes	P	N	A			
Spermacoce floridana	Florida false buttonweed		Н	Н	A			
Spermacoce verticillata	Shrubby false buttonweed	Yes	P	A	A			
Spigelia anthelmia	West Indian pinkroot	Yes	P	N	A			
Spiranthes polyantha	Florida Keys lady's-tresses		Е	Е		SFX	Е	

Scientific Name	Common Name/s	Found By IRC	Occurrence <sup>2</sup>	Native Status <sup>3</sup>	Cultivated Status <sup>4</sup>	IRC Status <sup>5</sup> (South FL)	State Status <sup>6</sup>	Federal Status <sup>7</sup>
Sporobolus domingensis	Coral dropseed	Yes	Р	N	A			
Sporobolus indicus	Smut grass	Yes	P	A	A			
Sporobolus indicus var. pyramidalis	West Indian dropseed	Yes	P	A	A			
Sporobolus pyramidatus	Whorled dropseed	Yes	P	N	A			
Sporobolus virginicus	Seashore dropseed	Yes	P	N	A			
Stachytarpheta jamaicensis	Blue porterweed, Joee	Yes	P	N	A			
Stenotaphrum secundatum	St. Augustine grass	Yes	P	A	С			
Stylosanthes calcicola	Everglades key pencilflower		D				Е	
Stylosanthes hamata	Pencilflower, Cheesytoes	Yes	P	N	A			
Suaeda linearis	Sea-blite, Annual seepweed	Yes	P	N	A			
Suriana maritima	Baycedar	Yes	P	N				
Swietenia mahagoni	West Indian mahogany	Yes	P	N			Т	
Syringodium filiforme	Manatee-grass	Yes	P	N	A			
Tamarindus indica	Tamarind	Yes	P	CA	С			
Terminalia catappa	Tropical-almond, West Indian-almond	Yes	Р	A	Е			
Thalassia testudinum	Turtle-grass	Yes	P	N	A			
Thelypteris kunthii	Southern shield fern	Yes	P	N	A			
Thespesia populnea	Portiatree	Yes	P	A	Е			
Thevetia peruviana	Luckynut	Yes	P	A	С			
Thrinax morrisii	Silver thatch palm, Brittle thatch palm	Yes	Р	N			Е	
Thrinax radiata	Green thatch palm, Florida thatch palm	Yes	P	N			Е	
Tillandsia balbisiana	Reflexed wild-pine, Northern needleleaf	Yes	P	N	A		Т	
Tillandsia fasciculata var. densispica	Stiff-leaved wild-pine, Cardinal airplant	Yes	P	N	A		Е	
Tillandsia flexuosa	Banded wild-pine, Twisted airplant	Yes	P	N			Т	
Tillandsia paucifolia	Twisted wild-pine, Potbelly airplant	Yes	P	N	A			
Tillandsia recurvata	Ball-moss	Yes	P	N	A			

Scientific Name	Common Name/s	Found By IRC	Occurrence <sup>2</sup>	Native Status <sup>3</sup>	Cultivated Status <sup>4</sup>	IRC Status <sup>5</sup> (South FL)	State Status <sup>6</sup>	Federal Status <sup>7</sup>
Tillandsia usneoides	Spanish-moss	Yes	P	N	A			
Tillandsia utriculata	Giant wild-pine, Giant airplant	Yes	P	N	A		Е	
Tournefortia volubilis	Twining soldierbush	Yes	P	N	A			
Tradescantia pallida	Purplequeen		Е	A	Е			
Tradescantia spathacea	Oysterplant, Moses-in-the-cradle, Boatlily	Yes	P	A	Е			
Trema lamarckianum	West Indian trema, Pain-in-the- back	Yes	P	N			Е	
Trema micranthum	Florida trema, Nettletree	Yes	P	N				
Trianthema portulacastrum	Desert horsepurslane	Yes	P	N	A			
Tribulus cistoides	Punctureweed, Burrnut, Jamaican feverplant	Yes	P	A				
Tridax procumbens	Brittleweed, Coatbuttons	Yes	P	A	A			
Trifolium repens	White clover, Dutch clover	Yes	P	A	A			
Turnera ulmifolia	Yellow alder, Ramgoat dashalong	Yes	P	A				
Typha domingensis	Southern cat-tail	Yes	P	N	A			
Uniola paniculata	Sea-oats		D					
Urochloa adspersa	Dominican signalgrass	Yes	P	N	A			
Urochloa mutica	Paragrass		S	A				
Urochloa subquadripara	Signal grass, Tropical signalgrass	Yes	P	A	A			
Utricularia foliosa	Leafy bladderwort		Н	Н				
Vallesia antillana	Pearlberry, Tearshrub	Yes	P	N		SF1	Е	
Vernonia cinerea	Little ironweed	Yes	P	A	A			
Vigna luteola	Cow-pea, Hairypod cowpea	Yes	P	N	A			
Vitis rotundifolia	Muscadine	Yes	P	N	A			
Waltheria indica	Sleepy morning	Yes	P	N	A			
Washingtonia robusta	Desert palm, Washington fan palm	Yes	P	A	С			
Wedelia trilobata	Creeping wedelia, Creeping oxeye	Yes	P	A	Е			
Ximenia americana	Hog-plum, Tallowwood	Yes	P	N	A			
Youngia japonica	Rocketweed, Oriental false hawksbeard	Yes	P	A	A			

		Found By		Native	Cultivated	IRC Status	State	Federal
Scientific Name	Common Name/s	IRC	Occurrence <sup>2</sup>	Status <sup>3</sup>	Status <sup>4</sup>	5(South FL)	Status <sup>6</sup>	Status <sup>7</sup>
Yucca aloifolia	Spanish-bayonet, Aloe yucca	Yes	P	N				
Zamia integrifolia	Coontie, Florida arrowroot	Yes	P	CN	С		С	
Zanthoxylum fagara	Wild-lime, Lime prickly-ash	Yes	P	N	A			
Zoysia japonica	Korean templegrass, Japanese lawngrass		D					
Zoysia matrella	Manila templegrass, Manilagrass	Yes	P	A	Е			
Zoysia tenuifolia	Mascarene templegrass	Yes	Р	A	Е			

Table 2: Species Discovered by The Institute for Regional Conservation in Biscayne National Park

Scientific Name	Common Name	Nativity
Acacia choriophylla	Cinnecord	Not Native, Cultivated only
Acoelorraphe wrightii	Paurotis palm, Everglades palm	Not Native, Cultivated only
Alysicarpus vaginalis	White moneywort	Not Native, Naturalized
Amaranthus viridis	Slender amaranth	Not Native, Naturalized
Andropogon longiberbis	Hairy bluestem	Native
Anemia adiantifolia	Pine fern, Maidenhair pineland fern	Native
Aristida purpurascens	Arrowfeather threeawn	Native
Asparagus densiflorus	Sprenger's asparagus-fern	Not Native, Naturalized
Aster subulatus	Annual saltmarsh aster	Native
Ayenia euphrasiifolia	Eyebright ayenia	Native
Baccharis glomeruliflora	Silverling	Native
Blechnum serrulatum	Swamp fern, Toothed midsorus fern	Not Native, Cultivated only
Boehmeria cylindrica	Button-hemp, False nettle, Bog hemp	Native
Borrichia xcubana	Cuban sea-oxeye-daisy	Native
Bothriochloa ischaemum var. songarica	King ranch bluestem, Yellow bluestem	Not Native, Naturalized
Byrsonima lucida	Locustberry	Cultivated Native
7	<del>_</del>	Not Native, Naturalized
Calyptocarpus vialis Cardamine pensylvanica	Straggler-daisy Pennsylvania bittercress	Native Naturalized
Cardiospermum corindum	Balloonvine, Heartseed	Native
I .	<u> </u>	
Cardiospermum microcarpum	Balloonvine, Heartseed	Native
Centella asiatica	Coinwort, Spadeleaf	Native
Cestrum diurnum	Dayflowering jessamine	Not Native, Naturalized
Chamaecrista nictitans var. aspera	Hairy partridge-pea, Hairy sensitive-pea	Native
Chamaesyce bombensis	Sand-dune spurge, Dixie sandmat	Native
Chamaesyce conferta	Everglades key sandmat	Native
Chamaesyce lasiocarpa	Roadside sandmat	Not Native, Naturalized
Chamaesyce mendezii	Mendez's sandmat	Not Native, Naturalized
Chiococca parvifolia	Pineland snowberry	Native
Chrysobalanus icaco	Coco-plum	Cultivated Native
Coccothrinax barbadensis		Not Native, Cultivated only
Commelina erecta	Whitemouth dayflower	Native
Cordyline fruticosa		Not Native, Cultivated only
Crotalaria rotundifolia	Rabbitbells	Native
Cyclospermum leptophyllum	Marsh parsley	Not Native, Naturalized
Cynanchum angustifolium	Vine milkweed, Gulf Coast swallowwort	Native
Cynanchum northropiae	Vine milkweed, Fragrant swallowwort	Native
Cyperus compressus	Poorland flatsedge	Native
Cyperus croceus	Baldwin's flatsedge	Native
Cyperus rotundus	Nut-grass	Not Native, Naturalized
Cyperus sphacelatus	Road-side flatsedge	Not Native, Naturalized
Cyperus surinamensis	Tropical flatsedge	Native
Delonix regia	Royal poinciana, Flamboyant	Not Native, Naturalized
Desmodium triflorum	Threeflower ticktrefoil	Not Native, Naturalized
Dodonaea viscosa	Varnishleaf, Florida hopbush	Native
Dracaena marginata		Not Native, Cultivated only
Eleocharis cellulosa	Gulf Coast spikerush	Native
Eleocharis geniculata	Canada spikerush	Native
Eleocharis interstincta	Knotted spikerush	Native
Eremochloa ophiuroides	Centipede grass	Not Native, Naturalized
Erigeron quercifolius	Southern-fleabane, Oakleaf fleabane	Native
Erithalis fruticosa	Blacktorch	Native
Ernodea littoralis	Beach-creeper, Coughbush	Cultivated Native
Lindea morano	Deach creeper, Cougnibusii	Guidvaicu i vauve

Erythrina herbacea	Coral-bean, Cherokee bean	Native
Eupatorium serotinum	Lateflowering thoroughwort	Native
Euphorbia graminea	Grassleaf spurge	Not Native, Naturalized
Eustachys glauca	Prairie fingergrass, Saltmarsh fingergrass	Native
Fimbristylis cymosa	Hurricane sedge, Hurricanegrass	Not Native, Naturalized
Fimbristylis spadicea	Marsh fimbry	Native
Furcraea foetida	Mauritius-hemp	Not Native, Naturalized
Galium tinctorium	Stiff marsh bedstraw	Native
Gomphrena serrata	Globe-amaranth	Not Native, Naturalized
Gossypium hirsutum	Wild cotton, Upland cotton	Native
Hamelia patens	Firebush	Cultivated Native
Harrisia simpsonii	Simpson's pricklyapples, Simpson's applecactus	Native
Heliotropium procumbens	Fourspike heliotrope	Not Native, Naturalized
Hydrocotyle verticillata	Whorled marshpennywort	Native Naturalized
Ipomoea hederacea	Ivyleaf moriningglory	Not Native, Naturalized
1		
Ipomoea triloba  Jasminum nitidum	Three-lobed morningglory, Littlebell	Not Native, Naturalized
J	Angelwing jasmine	Not Native, Cultivated only
Juncus roemerianus	Black needle rush, Needle rush, Black rush	Native
Kyllinga brevifolia	Shortleaf spikesedge	Not Native, Naturalized
Leptochloa fascicularis	Bearded spangletop, Bearded sprangletop	Native
Livistona chinensis	Chinese fan palm	Not Native, Cultivated only
Lysiloma sabicu	Sabicu	Not Native, Cultivated only
Lythrum alatum var. lanceolatum	Winged loosestrife	Native
Macroptilium lathyroides	Wild-bean, Wild bushbean	Not Native, Naturalized
Melaleuca viminalis	Weeping bottlebrush	Not Native, Naturalized
Mentzelia floridana	Poorman's-patch, Stickleaf	Native
Muhlenbergia capillaris	Muhlygrass, Hairawnmuhly	Native
Myrcianthes fragrans	Twinberry, Simpson's stopper	Not Native, Cultivated only
Myrica cerifera	Wax myrtle, Southern Bayberry	Cultivated Native
Nama jamaicense	Jamaicanweed	Native
Nephrolepis cordifolia	Tuberous sword fern	Not Native, Naturalized
Ochrosia elliptica	Elliptic yellowwood	Not Native, Naturalized
Okenia hypogaea	Beach-peanut, Burrowing four-o'clock	Native
Opuntia cochenillifera	Cochineal cactus	Not Native, Naturalized
Opuntia corallicola	Semaphore pricklypear	Native
Oxalis debilis var. corymbosa	Violet wood sorrel, Pink woodsorrel	Not Native, Naturalized
Panicum dichotomiflorum var. bartowense	Hairy fall panic grass	Native
Panicum maximum	Guineagrass	Not Native, Naturalized
Parthenocissus quinquefolia	Virginia-creeper, Woodbine	Native
Paspalidium chapmanii	Coral panicum	Native
Paspalum caespitosum	Blue paspalum, Blue crowngrass	Native
Paspalum pleostachyum	Tropical paspalum	Doubtfully Native
Pavonia paludicola	Mangrove mallow, Swampbush	Native Native
Pectis xfloridana	Mangrove manow, Swampbush	Native
Pennisetum purpureum	Napier grass, Elephantgrass	Not Native, Naturalized
Petiveria alliacea		
	Guinea hen weed	Native
Phlebodium aureum	Golden polypody	Native
Phoenix canariensis	Canary Island date palm	Not Native, Cultivated only
Phoradendron rubrum	Mahogany mistletoe	Native
Phragmites australis	Common reed	Native
Phyla stoechadifolia	Southern fogfruit	Native
Phyllanthus caroliniensis subsp. saxicola	Rock Carolina leafflower	Native
Phyllanthus pentaphyllus var. floridanus	Florida five-petalled leafflower	Native
Phyllanthus tenellus	Mascarene Island leafflower	Not Native, Naturalized
Physalis angulata	Cutleaf groundcherry	Native
Plantago major	Common plantain	Not Native, Naturalized

Poinsettia heterophylla	Fiddler's spurge, Mexican fireplant	Native
Psidium guajava	Guava	Not Native, Naturalized
Pteris bahamensis	Bahama ladder brake	Native
Rhynchosia swartzii	Swartz's snoutbean	Native
Rottboellia cochinchinensis	Itch grass	Not Native, Naturalized
Scaevola sericea	Beach napuka	Not Native, Naturalized
Schizachyrium gracile	Wire bluestem	Native
Schoepfia chrysophylloides	Gulf graytwig, Graytwig	Native
Senna pendula var. glabrata	Valamuerto	Not Native, Naturalized
Serenoa repens	Saw palmetto	Cultivated Native
Sesbania herbacea	Danglepod	Native
Setaria macrosperma	Coastal foxtail, Coral bristlegrass	Native
Solanum verbascifolium	Mullein nightshade	Native
Sonchus asper	Spiny sowthistle	Not Native, Naturalized
Sophora tomentosa var. occidentalis		Not Native, Naturalized
Sorghum arundinaceum	Broomcorn	Not Native, Naturalized
Spartina spartinae	Gulf cordgrass	Native
Spermacoce assurgens	Woodland false buttonweed	Native
Spigelia anthelmia	West Indian pinkroot	Native
Sporobolus indicus	Smut grass	Not Native, Naturalized
Trema micranthum	Florida trema, Nettletree	Native
Trianthema portulacastrum	Desert horsepurslane	Native
Tribulus cistoides	Punctureweed, Burrnut, Jamaican feverplant	Not Native, Naturalized
Turnera ulmifolia	Yellow alder, Ramgoat dashalong	Not Native, Naturalized
Washingtonia robusta	Desert palm, Washington fan palm	Not Native, Naturalized
Zoysia tenuifolia	Mascarene templegrass	Not Native, Naturalized