LIST OF PLANTS ON BIG PINE KEY, FLORIDA


Smithsonian Institution
Washington, D.C.
Abstract

A plant list of 466 species and varieties in 87 families is provided for Big Pine Key, Florida.

INTRODUCTION

Within the Keys, which extend as a long curving arm from the Florida Everglades to Key West and the Dry Tortugas islands, about 48 km. northeast of the tip, a major island in the Key Deer Wildlife Refuge, Big Pine Key. The island is typical of the lower Florida Keys and has a rich variety of tropical and subtropical plants and animals found nowhere else in the world. Historically speaking the temperate plant species migrated southward during the ice age and found a foothold while tropical and subtropical species were being swept in by hurricane wind and tide from Cuba and the West Indies as scraps of wood, bits of stem, and seed.

Big Pine Key is nearly 3.2 km. wide, and 13.3 km. long. Its 2,400 ha. comprise one of the largest Keys in the southern archipelago and contain the greatest number of plant species on the Keys within the Refuge. The island is fringed with red mangroves, which reach long aerial roots into the marl along the shore and partially enclose the large salt-water lake on the northeastern shore of the island. In some areas, scrub is allied with the
In others the buttonwood replaces it. The black mangrove flourishes within this extending fringe of vegetation and in turn gives way on higher ground to hammocks of tropical trees and shrubs such as scrub palmetto, Jamaica dogwood, gumbo limbo, pigeon plum, sea grape, and poisonwood. An almost impenetrable wall of underbrush surrounds these areas.

The dense entwining branches of buttonwood hammocks permit the sunlight to filter through only in scattered spots upon the wet marl and sloughs beneath. In the tree notches grow numerous epiphytes, ferns, drab or gayly colored orchids, and the crimson spikes of the bromeliads. Tree trunks support heavy vines, and the branches have swinging beards of Spanish moss.

On the northern end of the island, grassland and scrub areas intersperse with stunted mangrove recesses that surround the oolitic limestone exposed in long sweeps by hurricane action. Few species survive here.

Along the shore of the south-east peninsula is a beach dune supporting the characteristic low vegetation. Spiny plants form impenetrable thickets in the hammocks to the east and south of the Key where the vegetation grows on sand and shell.

The center of Big Pine Key is noted for the stand of tall sparse Caribbean pine with understory of small palms. Here the encroachments of civilization have been felt most keenly.

U.S. Highway No. 1 has crossed the Key, and in its wake is a wave of housing developments, motels, powerlines, and drainage ditches. Fires have swept dry areas, and garden plots have been dug in pockets of black soil.

Residents of Monroe County and conservationists who have visited Big Pine Key decry the loss of this unique vegetation and the wildlife it supports both in dry and wet seasons.

Concerned citizens and conservation groups donated and leased lands for Key Deer habitat until the Federal Government was able to establish a Key Deer Wildlife Refuge. In the process of establishing this habitat some of the flora will also be protected. Only when these refuge lands are set aside permanently and the public educated to the value of saving unique indigenous flora and fauna as part of its heritage will this ecology be saved for future generations - for their pleasure and their scientific knowledge.

This plant list is sponsored by the Bureau of Sport Fisheries and Wildlife in the Department of the Interior. The list is dedicated to a better understanding of the flora of the Keys and of the ecological factors there.

Alice H. Franklin
The compilation is derived from the holdings of the National Herbarium, Smithsonian Institution, Washington, D.C. (designated as U.S.), and the Key Deer Wildlife Refuge Herbarium, Big Pine Key, Florida (designated as B). These are specimens mainly of the Killip Collection. The collection is split and has never been catalogued. Listings appear as on the herbarium sheets with a few exceptions. Authorities have been added where missing. Classification is according to: (1) National Herbarium Classification (Engler and Prantl), and (2) Classification by Small.

**Plant List**

**Typhaceae**
- Typha angustifolia L. (U.S., B)
- Typha domingensis Pers. (U.S., B)

**Potamogetonaceae**
- Diplanthera wrightii Aschers. (B)
- Syringodium filiforme Kütz. (B)
- Leptochloa dubia (B.K.K.) Nees (B)
- Muhlenbergia capillaris var. filipes (E.A. Curtis) Chapm. (B)
- Panicum adspersum Trin. (B)
- Panicum caeruleum Hack. (B)
- Panicum chamnanii Vasey (B)
- Panicum fasciculatum Swartz (B)
- Panicum virgatum var. cubense Griseb. (B)
- Paspalum bidentatum Cham. (B)
- Paspalum monostachyum Vasey (B)
- Paspalum propinquum Nash (B)
- Paspalum vaginatum Swartz (B)
- Setaria glauca var. geniculata Urban (B)
- Setaria lutescens (Weigel) F.T. Hubb. (B)
- Setaria macroperma (Scribn. & Merr.) Schum. (B)
- Sorghastrum secundum (Ell.) Nash (B)
- Spartina spartinae (Trin.) Merr. (B)
- Sporobolus virginicus (L.) Kunth (B)

**Hydrocharitaceae**
- Thalassia testudinum (Koenig) Sims (U.S., B)
Cyperaceae

Abilugaardia monostachya (L.) Vahl
Cladium jamaicense Crantz
Cyperus bruneus Sw.
Cyperus blugettii Britton
Cyperus compressus L.
Cyperus elegans L.
Cyperus farax L.C. Rich.
Cyperus fuliginosus Chapm.
Cyperus inflexus Muhl.
Cyperus ligularis L.
Cyperus planifolius var. bruneus Kükenth
Cyperus planifolius var. ottonis Kükenth
Cyperus polystachyus Rothb.
Dichromena colorata A. S. Hitchc.
Dichromena floridensis Britton
Dichromena latifolia Baldwin
Eleocharis cellulosa Torr.
Eleocharis sintenisii Boeckl.
Fimbristylis castanea (Michx.) Vahl
Fimbristylis spathacea (L.) Vahl
Rhynchospora divergens Chapman ex M.A. Curtis
Rhynchospora microcarpa Baldw.
Schoenoplectus nigricans L.
Scleria verticillata Muhl.

Finaceae

Pinus caribaea Morlet

Palmaceae

Coccothrinax argentea (Jacq.) Bailey
Coccothrinax argentea (Lodd.) Sarg.
Coccothrinax jucunda Sargent
Cocos nucifera L.
Phoenix dactylifera L.
Sabal palmetto (Walt.) Lodd.
Sabal serrulata (Michx.) Hook.
(Sabal repens (Berth.) Small)
Thrinax microcarpa Sarg.
Thrinax perviflora Sw. multiflora Wright

Bromeliaceae

Tillandsia balbisiana Schult.
Tillandsia cirrhata Schlecht.
Tillandsia flexuosa Sw.
Tillandsia usneoides L.
Tillandsia utriculata L.

Commelinaceae

Commelina communis L.

Liliaceae

Aleris bracteata Northrop
Aloe vera L.
Asparagus officinalis L. (U.S.)
Sanseveria guinensis (L.) Willd. (U.S.)
Smutax havanensis Jacq. (U.S.) (B)

Amaryllidaceae, Agavaceae (Nasuaceae)
Agave decipiens Baker (U.S.) (B)
Agave sisalana Perrine (U.S.) (B)
Hymenocallis keyensis Small (U.S.) (B)
Hypoxis hirsuta (L.) Coville (U.S.)
Hypoxis juncea J.E. Smith (U.S.) (B)
Hypoxis micrantha Pollard (U.S.) (B)

Iridaceae (Ixiaceae)
Sisyrinchium flagellum Bickn. (U.S.) (B)

Orchidaceae
Bletia purpurea (Lam.) DC. (U.S.) (B)
Epidendrum tampense Lindl. (U.S.) (B)
Habenaria quinqueneta (Hitch.) Sw. (U.S.) (B)
Spiranthes tortiliis (Sw.) L.C. Rich (U.S.) (B)

Casuarinaceae
Casuarina equisetifolia Forst. (U.S.)

Myrtaceae
Myrica cerifera L. (U.S.) (B)

Ulmaceae
Trema floridana Britton (U.S.)
Trema lanceolata (R. & S.) Blume (U.S.)
Trema mollis (Willd.) Blume (U.S.) (B)

Moraceae, Atocarpaceae
Ficus aurea Nutt. (U.S.) (B)
Ficus brevifolia Nutt (U.S.) (B)

Urticaceae
Pilea harnierioides (Sw.) Lindl. (U.S.)
Pilea microphylla (L.) Leibm. (U.S.) (B)

Oleaceae
Ximenia americana L. (U.S.) (B)

Polygonaceae
Coccoloba ussifolia Jacq. (U.S.) (B)
Coccoloba uvifera (L.) Jacq. (U.S.)

Chenopodiaceae
Atriplex pentandra (Jacq.) Standl. (U.S.) (B)
Salicornia bigelovii Torr. (U.S.) (B)
Salicornia perennis Mill. (U.S.) (B)
Suaeda linearis (Ell.) Moq. (U.S.) (B)

Amaranthaceae
Alternanthera floridana (Chapm.) Small (U.S.) (B)
Alternanthera ramosissima Chod. (U.S.)
Amaranthus gracilis Desf. (U.S.)
Amaranthaceae (continued)

- Amaranthus hybridus L. (U.S.)
- Amaranthus spinosus L. (U.S.)
- Iresine celosia L. (U.S.)
- Philomerus vermicularis (L.) R. Br.

Nyctaginaceae, Pisoniaceae

(Ailtonaceae)

- Boerhaavia erecta L. (U.S.)
- Bougainvillea glabra Chois.
- Pisonia aculeata L. (U.S.)
- Pisonia rotundata Griseb.
- Torrubia bracei Britton (U.S.)
- Torrubia globosa Small (U.S.)
- Torrubia longifolia (Heimerl) Britton (U.S.)

Iridaceae

- Batis maritima L. (U.S.)

Phytolaccaceae

- Rivina humilis L. (U.S.)

Aizoaceae, Ficoidaceae

(Tetragonaceae)

- Sesuvium maritimum (Walt.) BSP. (U.S.)
- Sesuvium portulacastrum L. (U.S.)
- Trianchema portulacastrum L. Argentina

- A.T. Hunziker & Cocucci

Portulacaceae

- Portulaca oleracea L. (b)
- Portulaca pheosperma Urban (U.S.) (b)

Ceratophyllaceae

- Ceratophyllum floridanum Fassett (U.S.) (b)

Annonaceae

- Annona glabra L. (U.S.) (b)

Lauraceae

(Cassythaceae)

- Cassytha filiformis L. (U.S.)
- Persea palustris (Ref.) Sarg. (U.S.)

Cruciferae

(Brassicaceae)

- Cakile edentula (Bigel.) Hook. (U.S.)
- Cakile funiformis Greene (U.S.)
- Cakile lanceolata (Willd.) O.E. Schols (U.S.)
- Lepidium virginicum L. (U.S.)

Capparidaceae

- Capparis cynophallophora L. (U.S.)
- Capparis flexuosa L. (U.S.)

Rosaceae

- Chrysobalanus icaco L. (U.S.)
- Globanmus oblongifolius (Michx.) Small (U.S.)
<table>
<thead>
<tr>
<th>Mimosaceae</th>
<th>Papilionaceae (Fabaceae)</th>
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<tbody>
<tr>
<td>Albizia lebbeck (L.) Benth.</td>
<td>Canavalia linearis (Thunb.) DC.</td>
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<td>Desmanthus depressus H. &amp; B.</td>
<td>Canavalia maritima (Aubl.) Thou.</td>
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<td>Entada gigas (L.) Fawc. &amp; Rendle</td>
<td>Centrosema angustifolium (H.B.K.) Benth.</td>
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<tr>
<td>Leucaena glauca (L.) Benth.</td>
<td>Crotalaria maritima Chapm.</td>
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<td>Neptunia floridana Small</td>
<td>Crotalaria maritima var. linearis (Small) Senn.</td>
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<td>Pithecellobium guadalupense Chapm.</td>
<td>(Crotalaria linearis Small)</td>
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<td>Pithecellobium keyense Britton</td>
<td>Desmodium canum (Conl.) Schinz. &amp; Thell.</td>
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<tr>
<td>Pithecellobium unguis-cati (L.) Benth.</td>
<td>Desmodium obtusum (Muhl.) DC.</td>
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<td>Poponax macrantheoides (Bert.) B. &amp; R.</td>
<td>Desmodium tortuosum var. hirtellum DC.</td>
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<tr>
<td>Poponax tortuosa (L.) Raf.</td>
<td>Erythrina herbacea L.</td>
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<tr>
<td>Vachellia farnesiana (L.) W. &amp; A.</td>
<td>Galactia parvifolia A. Rich</td>
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<tr>
<td>Vachellia peninsularis Small</td>
<td>Galactia speciformis T. &amp; G.</td>
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<tr>
<td>Vachellia insularis Small</td>
<td>Galactia volubilis var. intermedi Vail</td>
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<td></td>
<td>Indigofera minista Ortega</td>
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<tr>
<td>Cesalpinaceae (Cassieaeae)</td>
<td>Indigofera tinctoria L.</td>
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<tr>
<td>Canavalia lineata (Thunb.) DC.</td>
<td>Phaseolus lathyroides L.</td>
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<tr>
<td>Canavalia maritima (Aubl.) Thou.</td>
<td>Piscidia communis (Blake) Harms</td>
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<tr>
<td>Centrosema angustifolium (H.B.K.) Benth.</td>
<td>Rhyynchosis cinerea Nash</td>
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<tr>
<td>Crotalaria maritima Chapm.</td>
<td>Rhyynchosis minima (L.) DC.</td>
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<tr>
<td>Crotalaria maritima var. linearis (Small) Senn.</td>
<td>Rhyynchosis parvifolia DC.</td>
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<tr>
<td>Desmodium canum (Conl.) Schinz. &amp; Thell.</td>
<td>Sesbania emerus (Aubl.) Urb.</td>
</tr>
<tr>
<td>Desmodium obtusum (Muhl.) DC.</td>
<td>(Sesban macrocarpus Muhl.)</td>
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<tr>
<td>Desmodium tortuosum var. hirtellum DC.</td>
<td>(Sesban emerus Urban)</td>
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</tbody>
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### Papilionaceae (continued) (Fabaceae)
- *Sophora tomentosa* L.  
- *Stylosanthes calcicola* Small  
- *Stylosanthes hamata* (L.) Taub.  
- *Stizolobium deeringianum* Hort.  
- *Vigna luteola* (Jacq.) Bench.  

### Linaceae
- *Linum arenicola* (Small) H. Winkl.  
  *(Cathartolinum arenicola* Small)*  

### Rutaceae
- *Amyris elemifera* L.  
- *Citrus aurantifolia* (Christm.) Swingle  
- *Fagara pterota* L.  
  *(Zanthoxylum fagara* (L.) Sarg.)*

### Simaroubaceae (Surianaceae)
- *Simarouba glauca* DC.  
  *(U.S.)*  
- *Suriana maritima* L.  
  *(U.S.)*

### Malpighiaceae
- *Byronisia lucida* (Sw.) DC.  
  *(U.S.)*  
  *(Byronisia cuneata* (Turcz.) P. Wilson)*  

### Burseraceae
- *Bursera simaruba* (L.) Sarg.  
  *(U.S.)*

### Polygalaceae
- *Polygala baldwinii* Nutt.  
  *(U.S.)*  
- *Polygala ceratii* Small  
  *(B)*

### Polygalaceae (continued)
- *Polygala grandiflora* Walt  
  *(U.S.)*  
- *Polygala ledees Blake  
  *(U.S.)* *(B)*  
- *Polygala praetervisa* Chod.  
  *(U.S.)* *(B)*

### Euphorbiaceae
- *Acalypha chamaedrifolia* (Lam.) Muell. Arg.  
  *(U.S.)* *(B)*  
- *Acalypha corchorifolia* Willd.  
  *(Acalypha reptans* Sw.)*  
- *Chamaesyce adenoptera* (Berol.) Small  
  *(U.S.)*

### Polygalaceae
- *Polygala grandiflora* Walt  
  *(U.S.)*  
- *Polygala ledees Blake  
  *(U.S.)* *(B)*  
- *Polygala praetervisa* Chod.  
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### Euphorbiaceae
- *Acalypha chamaedrifolia* (Lam.) Muell. Arg.  
  *(U.S.)* *(B)*  
- *Acalypha corchorifolia* Willd.  
  *(Acalypha reptans* Sw.)*  
- *Chamaesyce adenoptera* (Berol.) Small  
  *(U.S.)*

### Chamaesyce
- *Chamaesyce adicoides* Small  
  *(U.S.)*
- *Chamaesyce blodgettii* (Engelm.) Small  
  *(U.S.)*
- *Chamaesyce buxifolia* Small  
  *(U.S.)*
- *Chamaesyce chinogenes* Small  
  *(U.S.)*
- *Chamaesyce gremieri* Small  
  *(U.S.)*
- *Chamaesyce glomerifera* Millsp.  
  *(U.S.)* *(B)*

### Chamaesyce
- *Chamaesyce hirta var. procumbens* (DC.) N.E. Brown  
  *(U.S.)*
- *Chamaesyce hirta* (L.) Millsp.  
  *(U.S.)*
- *Chamaesyce hypericifolia* (L.) Small  
  *(U.S.)*
- *Chamaesyce hyssopifolia* (L.) Small  
  *(U.S.)*
- *Chamaesyce ingallitis* Small  
  *(U.S.)*
- *Chamaesyce scoparia* Small  
  *(U.S.)* *(B)*
- *Chamaesyce serpens* Small  
  *(U.S.)* *(B)*
- *Chamaesyce serpyllum* Small  
  *(U.S.)* *(B)*
Euphorbiaceae (continued)

Cnidias stimulosus (Michx.) Gray (U.S.) (B)
Croton berlandieri Torr. (U.S.) (B)
Croton linearis Jacq. (U.S.)
Ditaxis blodgettii (Torr.) Pax. (U.S.) (B)
Drypetes diversifolia Krug. & Urb. (U.S.) (B)
Drypetes lateriflora (Sw.) Krug. & Urb. (U.S.)
Euphorbia tirucalli L. (U.S.)
Hippomane manguinella L. (U.S.) (B)
Phyllanthus niruri L. (U.S.)
Phyllanthus pentaphyllus C. Wright (U.S.)
Phyllanthus pentaphyllus var. floridanus Webster (U.S.)
Phyllanthus pruinosis Poeppig (U.S.)
Phyllanthus schwartzii Koste (U.S.) (B) = P. schwartzii Rupr. et Maxim. (Sor.) (U.S.)
Poinsietia goniculata (Ortega) Small (U.S.) (B)
Poinsietia pinetorum Small (U.S.) (B)
Poinsietia heterophylla (L.) Kl. & Garcke (B)
Savia bahamensis Friton (U.S.) (B)
Tragia saxicola Small (U.S.) (B)

Celastraceae

Gymnadenia latifolia (Sw.) Urb. (U.S.) (B)
Rhacoma crossepetalum L. (U.S.) (B)
Rhacoma ilicifolia (Poir.) Trel. (U.S.) (B)
Sheafferia frutescens Jacq. (U.S.)
Maytenus phyllanthoides Bentham. (B)

Sapindaceae

Cupanis glabra Sw. (U.S.) (B)
Exothea paniculata (Jacq.) Radlk. (U.S.) (B)
Hypelate trifoliata Sw. (U.S.) (B)

Rhamnaceae

(Caragana indica (L.) Brongn. (U.S.) (B)
Krugiodendron ferreum (Vahl) Urban (U.S.) (B)
Reynosia septentrionalis Urban (U.S.) (B)

Vitaceae

Cissus trifoliata L. (U.S.) (B)
Parthenocissus quinquefolia (L.) Planch. (U.S.) (B)
Vitis munsoniana Simpson (U.S.) (B)

Dodonaeaceae

Dodonaea microcarpa Small (B)

Malvaceae

Abutlon permolle (Mill.) Sweet (U.S.) (B)
Gayoides crispum(L.) Small (U.S.) (B)
Gayoides imberbe (Griseb.) Small
### Malvaceae (continued)

<table>
<thead>
<tr>
<th>Species</th>
<th>Location</th>
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<tbody>
<tr>
<td>Gossypium barbadense</td>
<td>U.S.</td>
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<td>Gossypium hirsutum</td>
<td>U.S.</td>
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<tr>
<td>Hibiscus pilosus (Sw.) P. &amp; R.</td>
<td>U.S. (B)</td>
</tr>
<tr>
<td>Hibiscus rosa-sinensis</td>
<td>U.S.</td>
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<tr>
<td>Hibiscus syriacus</td>
<td>U.S.</td>
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<tr>
<td>Malvastrum corchorifolium (Desr.) Britton</td>
<td>U.S. (B)</td>
</tr>
<tr>
<td>Sida carpinifolia</td>
<td>U.S. (B)</td>
</tr>
<tr>
<td>Sida ciliaris</td>
<td>U.S. (B)</td>
</tr>
<tr>
<td>Sida ellipti T. &amp; G.</td>
<td>U.S. (B)</td>
</tr>
<tr>
<td>Sida procumbens Sw.</td>
<td>U.S. (B)</td>
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<tr>
<td>Thespesia populnea (L.) Soland. ex Correa</td>
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### Sterculiaceae

**Buettneraceae**

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<thead>
<tr>
<th>Species</th>
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<tbody>
<tr>
<td>Ayenia euphresiifolia Griseb.</td>
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<tr>
<td>Waltheria americana L.</td>
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### Gutiferae

**Clusiaceae**

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<tr>
<td>Clusia roses var. colombiana Cuatr.</td>
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### Canellaceae

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<tr>
<td>Canella winteriana (L.) Gaertn.</td>
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### Turneraceae

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<tbody>
<tr>
<td>Piriqueta caroliniana (Walt.) Urb.</td>
<td>U.S.</td>
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<tr>
<td>Piriqueta caroliniana var. tomentosa (Chunm.) Urb.</td>
<td>U.S. (B)</td>
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<td>Piriqueta tomentosa H.B.K.</td>
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### Turneraceae (continued)

<table>
<thead>
<tr>
<th>Species</th>
<th>Location</th>
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<tbody>
<tr>
<td>Turnerera caroliniana Walt</td>
<td>U.S.</td>
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<tr>
<td>Turnerera ulmifolia L.</td>
<td>U.S.</td>
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### Passifloraceae

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<td>Passiflora suberosa L.</td>
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### Caricaceae

**Cappaceae**

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<td>Carica papaya L.</td>
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### Cactaceae

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<td>Acanthocereus floridanus Small</td>
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</tr>
<tr>
<td>Cephalocereus keyensis B. &amp; R.</td>
<td>U.S.</td>
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<tr>
<td>Harrisia simpsonii Small</td>
<td>U.S. (B)</td>
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<tr>
<td>Opuntia oblonga Small</td>
<td>U.S.</td>
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<tr>
<td>Opuntia dilento (Ker) Haw.</td>
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<tr>
<td>Opuntia keyensis Britton</td>
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<td>Opuntia ochozentra Small</td>
<td>U.S. (B)</td>
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### Lythraceae

<table>
<thead>
<tr>
<th>Species</th>
<th>Location</th>
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<tr>
<td>Ammania latifolia L.</td>
<td>U.S.</td>
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<tr>
<td>Ammania teres Raf.</td>
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<td>Lythrum lineare L.</td>
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### Rhizophoraceae

<table>
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<td>Rhizophora angare L.</td>
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### Puniceae

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<tbody>
<tr>
<td>Punica granatum L.</td>
<td>U.S.</td>
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Combreaceae  
(Combreaceae)  
Conocarpus erectus L. (U.S.)  
Conocarpus erectus var. serviceus Fors ex DC. (U.S.) (B)  
Laguncularia racemosa (L.) Gaertn. (U.S.) (B)  
Terminalia catappa L. (U.S.) (B)

Myrtaceae  
Eugenia axillaris (Sw.) Willd. (U.S.) (B)  
Eugenia bahamensis Kaersk (U.S.)  
Eugenia buxifolia (Sw.) Willd. (U.S.)  
Eugenia longipes (Sw.) Willd. (U.S.) (B)  
Eugenia myrtoides Poir. (U.S.) (B)  
Paidium guianav L. (U.S.)

Haloragaceae  
Prosperpinaca platycarpa Small (U.S.)

Onagraceae  
(Epiphylaceae)  
Gaurs angustifolia Michx. (U.S.) (B)  
Ludwigia microcarpa Michx. (U.S.) (B)

Umbrelligerone  
(Ammiaceae)  
Centella asiatica (L.) Urb. (U.S.) (B)

Theophrastaceae  
Jacquinta keyensis Mez (U.S.) (B)

Hyrsinaceae  
Ardisia escallonioides S. & C. (U.S.) (B)  
Rapanea guianensis Aubl. (U.S.) (B)  
Samolus ebracteatus H.B.K. (U.S.) (B)

Plumbaginaceae  
(Americalaceae)  
Limonium angustatum (Gray) Small (U.S.) (B)  
Limonium carolinum Britt. (U.S.) (B)

Sapotaceae  
Achras sapota L. (U.S.)

Spigelia  
Cynoctonum mitreola (L.) Britt. (U.S.) (B)  
Cynoctonum sessilifolium (Walt.) J.K. Gmel. (U.S.) (B)  
Polypremum procmum L. (U.S.) (B)  
Spigelia anthelmia L. (U.S.) (B)
<table>
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<tr>
<th>Family</th>
<th>Genus</th>
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<td>Gentianaceae</td>
<td>Eustoma</td>
<td>exaltatum (L.) Griseb.</td>
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<td>Sabbatia</td>
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<td>stellaris Pursh.</td>
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<td>Apocynaceae</td>
<td>Angadenia</td>
<td>sagraei (A. DC.) Miers</td>
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<td>Carissa</td>
<td>grandiflora DC.</td>
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<td>Catharanthus</td>
<td>roseus (L.) G. Don</td>
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<td>Echites</td>
<td>umbellata Jacq.</td>
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<td>(Urechites lutes (L.) Brit.)</td>
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<td>Nerium</td>
<td>oleander L.</td>
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<td>Rhabdadenia</td>
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<td>corallicular Small</td>
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<td>Vallesia</td>
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<td>glabra Cov.</td>
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<td>Acalyphiaceae</td>
<td>Amphistelma</td>
<td>scoparia (Nutt.) Small</td>
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<td>Asclepiadora</td>
<td>viridis (Walt.) Gray</td>
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<td>Cryptostegia</td>
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<td>Funestrum</td>
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<td>Metastelma</td>
<td>blodgettii Gray</td>
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<tr>
<td></td>
<td>Metastelma</td>
<td>northropiae Schltr.</td>
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<td>(Epicon northropiae (Schlecht.) Small)</td>
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<td>palustris (Pursh) Schltr.</td>
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<td>(Lyonia palustris (Pursh) Small)</td>
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<td>Sacrotemme</td>
<td>clausum (Jacq.) R. &amp; S.</td>
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<td>Convovulaceae</td>
<td>Evolvulus</td>
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<td>alsinoides L. var. grisebachianus Meissn.</td>
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<td>grisebachii Peter</td>
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<td>sericeus Sw. (Evolvulus macilentes Small)</td>
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<td>sericeus var. discolor (Benth) Gray</td>
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<td>wrightii House</td>
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<td>Ipomoea</td>
<td>batatus (L.) Lam.</td>
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<td>pes-caprae (L.) Sweet</td>
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<td>sagittata Cav.</td>
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<td>tileaceae (Willd.) Choisy</td>
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<td>tuba (Schlecht.) Don (Calonyction tuba (Schlecht.) Colla)</td>
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<td>pentantha (Jacq.) G. Don</td>
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<td>Boraginaceae, Heliotropeaceae, Ehretiaceae</td>
<td><em>Bourreria ovata</em> Miers</td>
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<td>Cordia</td>
<td>globosa (Jacq.) H.B.K.</td>
<td>(U.S.) (B)</td>
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</table>
Boraginaceae, Heliotropaceae, Echiteeaceae (continued)

Cordia sebestena L. (U.S.)
Heliotropium angiospernum Murr. (U.S.) (B)
Heliotropium curassavicum L. (U.S.) (B)
Heliotropium leavenworthii Torr. (B)
Tournefortia gnaphalodes (L.) Br. (U.S.) (B)
Tournefortia volubilis L. (U.S.) (B)

Verbenaceae
(Avicennaceae)

Avicennia nitida Jacq. (U.S.)
Citharexylum fruticosum L. (U.S.) (B)
Lantana involucrata L. (U.S.)
Lantana odorata L. (U.S.) (B)
Phyla nodiflora (L.) Greene (U.S.) (B)
Valerianoides jamaicensis var. angustifolium O. Ktze. (B)

Labiatee

Ocimum micranthum Willd. (U.S.) (B)
Salvia coccinea L. (U.S.)
Scutellaria havanaensis Jacq. (U.S.) (B)

Solanaceae

Capsicum annuum L. (U.S.) (B)
Capsicum frutescens L. (U.S.) (B)
Lycium carolinianum Walt. (U.S.) (B)
Nicotiana tabacum L. (U.S.)

Solanaceae (continued)

Physalis angulata L. (U.S.)
Physalis angustifolia Hutt. (U.S.) (B)
Physalis barbadensis Jacq. (U.S.) (B)
Physalis floridana Rydb. (U.S.)
Solanum guttata D. Don (U.S.)
Solanum bahamense L. (U.S.) (B)
Solanum blodgettii Chapm. (U.S.) (B)
Solanum gracile Link (U.S.) (B)
Solanum nigrom L. (U.S.)
Solanum verbascifolium L. (U.S.) (B)

Scrophulariaceae

Brama monieri (L.) Pennell (U.S.) (B)
Buchnera elongata Sw. (U.S.)
Buchnera floridana Grandoger (U.S.) (B)
Capraria biflora L. (U.S.) (B)
Gerardia fasciculata f. peninsularis Pennell (U.S.)
Gerardia keyensis Pennell (B)
Gerardia maritima var. grandiflora Bentham. (U.S.) (B)
Gerardia purpurea var. carteri Pennell (U.S.) (B)
Lentibulariaceae
(Pinguiculaceae)

- Pinguicula pumila Michx.
- Utricularia macrorhyncha Barnh.

Acanthaceae

- Barleria cistata L.
- Diapedium assurgens O. Ktze.
- Dyschoriste angusta (A. Gray) Small
- Ruellia heteromorpha Fernald

Rubiaceae

- Borreria ocimoides (Burman) DC.
- Borreria terminalis Small
- Borreria podocephala DC.
- Cassia clivicifolia (Jacq.) Urb.
- Catesbaea parviflora var. septentrionalis Kr. & Urb.
- Chlicocca alba (L.) Hitchc.
- Chlicocca pinetorum Britton
- Erithalis fruticosa L.
- Ernodea augusta Small
- Ernodea littoralis Sw.
- Exostema caribaeum (Jacq.) R. & S.
- Galium bermudense L.
- Guettarda elliptica Sw.

Rubiaceae (continued)

- Guettarda scabra Vent.
- Hamelia patens Jacq.
- Houstonia filifolia (A. Gray) Small
- Houstonia floridana Standl.
- Morinda rolo L.
- Psychotria undata Jacq.
- Randia aculeata L.
- Spermacoce keyensis Small
- Strumpfia maritima Jacq.

Cucurbitaceae

- Cucumis melo L.
- Melothria criassifolia Small
- Morinda charantiata L.

Lobeliaceae

- Lobelia granulosa Walt.

Compositae - Ambrosiaceae, Cichoriaceae, Carduaceae

- Ageratum litorale Gray
- Ambrosia elatior L.
- Ambrosia hispida Pursh
- Aster adnatus Nutt.
- Aster bracei Britton
- Aster dumosus L.
- Aster exilis Ell.
- Baccharis halimiola L.
Compositae - Ambrosiaceae, Cichoriaceae, Carduaceae (continued)

Bidens leucantha (L.) Willd. (U.S.)
Borrichia arborescens (L.) DC. (U.S.) (B)
Borrichia frutescens (L.) DC. (U.S.) (B)

Chrysopsis graciliformis (Michx.) Nutt. (U.S.)
Chrysopsis tracyi Small (U.S.) (B)

Cirsium horridulum Michx. (B)
Cirsium smallii Britton (U.S.)

Conyza canadensis var. pusilla (Nutt.) Cronq. (U.S.)

Coreopsis leavenworthii T. & G. (U.S.) (B)

Emilia coccinea (Sims) Sweet (U.S.)

Eupatorium odoratum L. (U.S.)

Erigeron pusillus Nutt. (Leptilum canadensis (L.) Britt.) (U.S.) (B)

Erechtites hieracifolia (L.) Raf. (U.S.)

Flaveria latifolia (J.K. Johnst.) Rydb. (U.S.) (B)

Flaveria linearis Lag. (U.S.)

Flaveria trinervia (Spreng.) C. Mohr (U.S.) (B)

Geiliodis picta Sweet (U.S.) (B)

Haplopappus phyllocephalus var. negaraphalus (Rash) Hall (U.S.)

Lactuca intybus Jacq. (U.S.)

Liatris tenuifolia Nutt. (U.S.) (B)

Melanthrea deltoides Michx. (U.S.) (B)

Compositae - Ambrosiaceae, Cichoriaceae, Carduaceae (continued)

Melanthrea parvifolia Small (U.S.) (B)
Mikania betatifolia DC. (U.S.) (B)

Pectis leptosepala Urban (U.S.) (B)

Pluchea foetida (L.) DC. (U.S.)

Pluchea foetida (L.) DC. var. inbricate Kearney (U.S.)

Pluchea purpurascens (Sw.) DC. (U.S.) (B)

Pluchea rosea Godfrey (U.S.) (B)

Pterocephalon undulatum (Wall.) Ell. (U.S.) (B)

Sachsia bahamensis Urban (B)

Solidago chrysopsis Small (U.S.)

Solidago petrolata Mill. (U.S.) (B)

Sonchus asper (L.) Hill (U.S.)

Sonchus oleraceus L. (U.S.)

Tridax procumbens L. (U.S.) (B)

Vernonia blodgettii Small (U.S.) (B)
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