

**FLORISTIC SURVEY AND RARE SPECIES
ASSESSMENT OF FIVE PROPERTIES IN THE
FLORIDA KEYS WILDLIFE & ENVIRONMENTAL
AREA**

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Report submitted to the Florida Fish and Wildlife
Conservation Commission, Marathon, Florida

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Introduction:

The Florida Fish and Wildlife Conservation Commission (“Commission”) has acquired over 21 properties from Key Largo to Sugarloaf Key in Monroe County, Florida. The Commission possessed very little floristic data on any of these properties, including floristic inventories, lists of rare plant species, status of rare plants and lists of exotic species. The Institute for Regional Conservation (“IRC”) was contracted to provide these data to the Commission for each of these properties. Data for 16 of these properties was submitted to the Commission in 2000 (Bradley et al.). This report includes data from five additional properties acquired since the previous surveys were conducted.

Study Design:

Survey five selected Commission owned properties producing plant species lists for individual parcels and collect occurrence data for Federal, State, and Florida Natural Areas Inventory (FNAI) listed rare species. Field biologists will walk transects across each property in order to fully cover all available habitat types on each property.

- a) Make a list of all plant species found at each property.
- b) Estimate population sizes on a \log_{10} scale of all plant species that are federally listed, state listed, Florida Natural Areas Inventory tracked, and Institute for Regional Conservation ranked as imperiled or critically imperiled in southern Florida.
- c) Collect GPS coordinates for occurrences of rare plant species when they occupy small, discrete areas on each site.

Results:

Five properties were surveyed during this study. A total of 188 native and naturalized plant species were recorded. Of these, 165 (88%) are considered native to the Florida Keys and 23 (12%) are considered exotic. The number of plant species on each property ranged from 62 to 102 species, with an average of 79. The number of native plant species ranged from 53 to 92 species with an average of 72. The number of exotic plant species ranged from 1 to 11 with an average of seven.

One plant species listed as threatened by the U.S. Fish and Wildlife Service was found, Garber’s spurge (*Chamaesyce garberi*). It was found at Big Torch Key parcels 884 & 884. Thirty-one plant species listed by the State of Florida as Threatened or Endangered were recorded. Twelve plant species listed by the Florida Natural Areas Inventory (FNAI) as Critically Imperiled (S1) or Imperiled (S2) in Florida were recorded. Eight species considered Critically Imperiled (SF1) or Imperiled (SF2) in South Florida by The Institute for Regional Conservation were recorded. A total of thirty-two rare plant species were recorded (Table 13), 19% of the total number of native plant species. One plant species being considered for listing by the U.S. Fish and Wildlife Service (Bradley & Gann 2000) was found, sand flax (*Linum arenicola*). It was found at Big Torch Key parcels 884 & 885.

Plant inventories for each of the five properties are provided in Tables 1 – 5. Lists of rare plant species on each property are provided in Tables 6 – 10. Population size estimates are noted.

GPS coordinates of rare plant occurrences have not been included in this report. They have been provided to the Commission electronically and are also maintained by IRC.

Citations:

Bradley, K.A. & G.D. Gann. 1999. Status summaries of 12 rockland plant taxa in southern Florida. Unpublished report submitted to the U.S. Fish and Wildlife Service, Vero Beach, Florida.

Bradley, K.A., S.W. Woodmansee, & G.D. Gann. 2000. Floristic summary and rare species assessment of the properties in the Florida Keys Wildlife & Environmental Area. Report submitted to the Florida Fish and Wildlife Conservation Commission, Marathon, Florida.

Table 1:
The Vascular Plants of
Big Torch Key Parcels 884 & 885, Florida Keys Wildlife &
Environmental Area

Field Data Collected By:

Keith A. Bradley and Steven W. Woodmansee
The Institute for Regional Conservation
Miami, Florida
On June 7, 2001

Dicots

Amaranthaceae

Blutaparon vermiculare

Samphire, Silverhead

Anacardiaceae

Metopium toxiferum

Poisonwood, Florida poisontree

E *Schinus terebinthifolius*

Brazilian-pepper

Apocynaceae

Pentalinon luteum

Wild-allamanda, Hammock viperstail

Asclepiadaceae

Cynanchum angustifolium

Vine milkweed, Gulf Coast swallowwort

Asteraceae

Aster bracei

Brace's aster

Bidens alba var. *radiata*

Spanish-needles

Borrichia arborescens

Green sea-oxeye-daisy, Tree seaside oxeye

Borrichia frutescens

Silver sea-oxeye-daisy, Bushy seaside oxeye

Flaveria linearis

Narrowleaf yellowtops

Pectis glaucescens

Tea-blinkum, Sanddune cinchweed

Pluchea carolinensis

Cure-for-all

Rayjacksonia phyllocephala

Camphor daisy

Avicenniaceae

Avicennia germinans

Black mangrove

Bataceae

Batis maritima

Saltwort, Turtleweed

Buddlejaceae

Polypremum procumbens

Rustweed, Juniperleaf

Burseraceae

Bursera simaruba

Gumbo-limbo

<u>Casuarinaceae</u>	
E <i>Casuarina equisetifolia</i>	Australian-pine, Horsetail casuarina
<u>Celastraceae</u>	
<i>Crossopetalum rhacoma</i>	Rhacoma, Maidenberry
<u>Chenopodiaceae</u>	
<i>Salicornia bigelovii</i>	Annual glasswort
<i>Salicornia perennis</i>	Perennial glasswort
<u>Combretaceae</u>	
<i>Conocarpus erectus</i>	Buttonwood
<i>Laguncularia racemosa</i>	White mangrove
<u>Euphorbiaceae</u>	
<i>Chamaesyce blodgettii</i>	Limestone sandmat
<i>Chamaesyce garberi</i>	Garber's sandmat
<i>Chamaesyce mesembrianthemifolia</i>	Seaside spurge, Coastal beach sandmat
<i>Drypetes diversifolia</i>	Milkbark, Whitewood
<u>Fabaceae</u>	
<i>Acacia pinetorum</i>	Pineland acacia
<i>Piscidia piscipula</i>	Jamaica-dogwood, Florida fishpoison tree
<i>Pithecellobium keyense</i>	Florida Keys blackbead
<i>Sophora tomentosa</i> var. <i>truncata</i>	Yellow necklacepod
<u>Gentianaceae</u>	
<i>Eustoma exaltatum</i>	Seaside gentian, Marshgentian
<u>Linaceae</u>	
<i>Linum arenicola</i>	Sand flax
<u>Malpighiaceae</u>	
<i>Byrsonima lucida</i>	Locustberry
<u>Malvaceae</u>	
<i>Sida ciliaris</i>	Bracted fanpetals, Fringed fanpetals
<u>Moraceae</u>	
<i>Ficus aurea</i>	Strangler fig, Golden fig
<i>Ficus citrifolia</i>	Short-leaf fig, Wild banyan tree
<u>Myrsinaceae</u>	
<i>Ardisia escallonioides</i>	Marlberry
<i>Rapanea punctata</i>	Myrsine, Colicwood
<u>Myrtaceae</u>	
<i>Calypttranthes pallens</i>	Spicewood, Pale lidflower
<i>Eugenia axillaris</i>	White stopper
<i>Eugenia foetida</i>	Spanish stopper, Boxleaf stopper
<i>Psidium longipes</i>	Longstalked-stopper
<u>Nyctaginaceae</u>	
<i>Guapira discolor</i>	Blolly, Beefree
<u>Olacaceae</u>	

<i>Ximena americana</i>	Hog-plum, Tallowwood
<u>Polygalaceae</u> <i>Polygala grandiflora</i>	Candyweed, Showy milkwort
<u>Polygonaceae</u> <i>Coccoloba diversifolia</i> <i>Coccoloba uvifera</i>	Pigeonplum, Tietongue Seagrape
<u>Rhamnaceae</u> <i>Krugiodendron ferreum</i> <i>Reynosia septentrionalis</i>	Black ironwood, Leadwood Darlingplum
<u>Rhizophoraceae</u> <i>Rhizophora mangle</i>	Red mangrove
<u>Rubiaceae</u> <i>Chiococca parvifolia</i> <i>Erithalis fruticosa</i> <i>Ernodea littoralis</i> <i>Morinda royoc</i> <i>Randia aculeata</i> E <i>Spermacoce verticillata</i>	Pineland snowberry Blacktorch Beach-creeper, Coughbush Yellowroot, Redgal, Mouse's pineapple White indigoberry Shrubby false buttonweed
<u>Rutaceae</u> <i>Amyris elemifera</i>	Common torchwood, Sea torchwood
<u>Sapotaceae</u> <i>Manilkara jaimiqui</i> subsp. <i>emarginata</i> <i>Sideroxylon celastrinum</i>	Wild dilly Saffronplum
<u>Scrophulariaceae</u> <i>Agalinis fasciculata</i>	Beach false foxglove
<u>Solanaceae</u> <i>Lycium carolinianum</i> <i>Solanum verbascifolium</i>	Christmasberry, Carolina desertthorn Mullein nightshade
<u>Sterculiaceae</u> <i>Waltheria indica</i>	Sleepy morning
<u>Surianaceae</u> <i>Suriana maritima</i>	Baycedar
<u>Verbenaceae</u> <i>Phyla nodiflora</i> <i>Stachytarpheta jamaicensis</i>	Frog fruit, Turkey tangle fogfruit, Capeweed Blue porterweed, Joee

Monocots

<u>Agavaceae</u> E <i>Agave sisalana</i>	Sisal-hemp
<u>Areaceae</u> E <i>Coccothrinax argentata</i> E <i>Phoenix reclinata</i> <i>Serenoa repens</i>	Florida silver palm Senegal date palm Saw palmetto

Thrinax morrisii
Thrinax radiata

Silver thatch palm, Brittle thatch palm
Green thatch palm, Florida thatch palm

Bromeliaceae

Tillandsia flexuosa
Tillandsia paucifolia
Tillandsia utriculata

Banded wild-pine, Twisted airplant
Twisted wild-pine, Potbelly airplant
Giant wild-pine, Giant airplant

Cyperaceae

Abildgaardia ovata
Cladium jamaicense
E *Fimbristylis cymosa*
Fimbristylis spadicea
Rhynchospora floridensis

Flatspike sedge
Saw-grass, Jamaica swamp sawgrass
Hurricane sedge, Hurricanegrass
Marsh fimbry
Florida whitetop

Orchidaceae

Encyclia tampensis
E *Oeceoclades maculata*

Florida butterfly orchid
African ground orchid, Monk orchid

Poaceae

Andropogon glomeratus var. *pumilus*
Aristida purpurascens var. *tenuispica*
E *Dactyloctenium aegyptium*
Eragrostis elliottii
Eustachys petraea
Monanthochloe littoralis
Panicum virgatum
Paspalum caespitosum
Schizachyrium gracile
Schizachyrium sanguineum
Spartina spartinae
Sporobolus domingensis
Sporobolus virginicus

Common bushy bluestem
Hillsborough threeawn
Crow's-foot grass, Durban crowfootgrass
Elliott's love grass
Common fingergrass, Pinewoods fingergrass
Shoregrass, Keygrass
Switchgrass
Blue paspalum, Blue crowngrass
Wire bluestem
Crimson bluestem
Gulf cordgrass
Coral dropseed
Seashore dropseed

Pteridophytes

Nephrolepidaceae

E *Nephrolepis multiflora*

Asian sword fern

Polypodiaceae

Phlebodium aureum

Golden polypody

E = Not Native to the site

Table 2:
The Vascular Plants of
Key Largo Ansama Parcel, Florida Keys
Wildlife & Environmental Area

Field Data Collected By:

Keith A. Bradley and Steven W. Woodmansee
The Institute for Regional Conservation
Miami, Florida
On May 31, 2001

Dicots

Anacardiaceae

	<i>Metopium toxiferum</i>	Poisonwood, Florida poisontree
E	<i>Schinus terebinthifolius</i>	Brazilian-pepper

Apocynaceae

	<i>Catharanthus roseus</i>	Madagascar-periwinkle
E	<i>Echites umbellata</i>	Devil's-potato, Rubbervine

Boraginaceae

	<i>Heliotropium angiospermum</i>	Scorpionstail
	<i>Tournefortia volubilis</i>	Twining soldierbush

Burseraceae

	<i>Bursera simaruba</i>	Gumbo-limbo
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Canellaceae

	<i>Canella winterana</i>	Cinnamon bark, Pepper cinnamon
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Capparaceae

	<i>Capparis flexuosa</i>	Limber caper, Bayleaf capertree
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Convolvulaceae

	<i>Ipomoea indica</i> var. <i>acuminata</i>	Ocean-blue morningglory
E	<i>Merremia dissecta</i>	Baby woodrose, Noyauvine

Euphorbiaceae

	<i>Chamaesyce hypericifolia</i>	Eyebane, Graceful sandmat
	<i>Chamaesyce ophthalmica</i>	Florida hammock sandmat
	<i>Gymnanthes lucida</i>	Crabwood, Oysterwood
	<i>Poinsettia cyathophora</i>	Paintedleaf, Fire-on-the-mountain

Fabaceae

	<i>Desmanthus virgatus</i>	Wild tantan
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<i>Galactia striata</i>	Florida Hammock milkpea
<i>Galactia volubilis</i>	Downy milkpea
E <i>Leucaena leucocephala</i>	White leadtree
<i>Lysiloma latisiliquum</i>	Wild-tamarind, False tamarind
<i>Piscidia piscipula</i>	Jamaica-dogwood, Florida fishpoison tree
<i>Pithecellobium keyense</i>	Florida Keys blackbead
<i>Pithecellobium unguis-cati</i>	Cat's-claw, Catclaw blackbead
<i>Rhynchosia swartzii</i>	Swartz's snoutbean
<i>Stylosanthes hamata</i>	Pencilflower, Cheesytoes
<u>Malvaceae</u>	
<i>Herissantia crispa</i>	Bladdermallow
<u>Meliaceae</u>	
<i>Swietenia mahagoni</i>	West Indian mahogany
<u>Moraceae</u>	
<i>Ficus aurea</i>	Strangler fig, Golden fig
<i>Ficus citrifolia</i>	Short-leaf fig, Wild banyan tree
<u>Myrsinaceae</u>	
<i>Ardisia escallonioides</i>	Marlberry
<u>Myrtaceae</u>	
<i>Eugenia axillaris</i>	White stopper
<i>Eugenia foetida</i>	Spanish stopper, Boxleaf stopper
<u>Nyctaginaceae</u>	
<i>Guapira discolor</i>	Bolly, Beeftree
<i>Pisonia aculeata</i>	Devil's claws, Pullback
<u>Passifloraceae</u>	
<i>Passiflora multiflora</i>	Whiteflower passionflower
<i>Passiflora suberosa</i>	Corksystem passionflower
<u>Polygonaceae</u>	
<i>Coccoloba diversifolia</i>	Pigeonplum, Tietongue
<u>Rhamnaceae</u>	
<i>Gouania lupuloides</i>	Chewstick, Whiteroot
<u>Rubiaceae</u>	
<i>Chiococca alba</i>	Common snowberry, Milkberry
<i>Guettarda elliptica</i>	Everglades velvetseed, Hammock velvetseed
<i>Guettarda scabra</i>	Rough velvetseed
<i>Hamelia patens</i>	Firebush
<i>Morinda royoc</i>	Yellowroot, Redgal, Mouse's pineapple
<i>Psychotria nervosa</i>	Shiny-leaved wild-coffee
<u>Rutaceae</u>	
<i>Zanthoxylum fagara</i>	Wild-lime, Lime prickly-ash
<u>Sapindaceae</u>	
<i>Cardiospermum corindum</i>	Balloonvine, Heartseed
<i>Exothea paniculata</i>	Inkwood, Butterbough
<u>Sapotaceae</u>	

	<i>Chrysophyllum oliviforme</i>	Satinleaf
E	<i>Manilkara zapota</i>	Sapodilla
	<i>Sideroxylon salicifolium</i>	Willow-bustic, White bully

Sterculiaceae

	<i>Waltheria indica</i>	Sleepy morning
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Tiliaceae

	<i>Corchorus siliquosus</i>	Slippery burr
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Ulmaceae

	<i>Trema micranthum</i>	Florida trema, Nettletree
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Verbenaceae

	<i>Lantana involucrata</i>	Wild-sage, Buttonsage
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Vitaceae

	<i>Vitis rotundifolia</i>	Muscadine
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Monocots

Agavaceae

E	<i>Sansevieria hyacinthoides</i>	Bowstring-hemp, Mother-in-laws tongue
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Orchidaceae

E	<i>Oeceoclades maculata</i>	African ground orchid, Monk orchid
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Poaceae

	<i>Lasiacis divaricata</i>	Smallcane, Florida tibisee
E	<i>Panicum maximum</i>	Guineagrass
	<i>Paspalum caespitosum</i>	Blue paspalum, Blue crowngrass
	<i>Paspalum setaceum</i>	Thin paspalum
E	<i>Rhynchelytrum repens</i>	Rose Natalgrass
E	<i>Sporobolus indicus</i> var. <i>pyramidalis</i>	West Indian dropseed
E	<i>Stenotaphrum secundatum</i>	St. Augustine grass

E = Not Native to the site

Table 3:
**The Vascular Plants of
 Key Largo Brown Parcel, Florida Keys
 Wildlife & Environmental Area**

Field Data Collected By:

Keith A. Bradley and Steven W. Woodmansee
 The Institute for Regional Conservation
 Miami, Florida
 On May 31, 2001

Dicots

<u>Aizoaceae</u>	
<i>Sesuvium portulacastrum</i>	Perennial sea-purslane, Shoreline seapurslane
<u>Amaranthaceae</u>	
<i>Alternanthera flavescens</i>	Yellow joyweed
<i>Blutaparon vermiculare</i>	Samphire, Silverhead
<u>Anacardiaceae</u>	
<i>Metopium toxiferum</i>	Poisonwood, Florida poisontree
E <i>Schinus terebinthifolius</i>	Brazilian-pepper
<u>Apocynaceae</u>	
<i>Echites umbellata</i>	Devil's-potato, Rubbervine
<u>Asclepiadaceae</u>	
<i>Cynanchum angustifolium</i>	Vine milkweed, Gulf Coast swallowwort
<i>Cynanchum northropiae</i>	Vine milkweed, Fragrant swallowwort
<u>Asteraceae</u>	
<i>Bidens alba</i> var. <i>radiata</i>	Spanish-needles
<i>Borrchia arborescens</i>	Green sea-oxeye-daisy, Tree seaside oxeye
<i>Borrchia frutescens</i>	Silver sea-oxeye-daisy, Bushy seaside oxeye
<u>Avicenniaceae</u>	
<i>Avicennia germinans</i>	Black mangrove
<u>Bataceae</u>	
<i>Batis maritima</i>	Saltwort, Turtleweed
<u>Boraginaceae</u>	
<i>Borreria succulenta</i>	Smooth strongback, Bahama strongbark
<i>Heliotropium curassavicum</i>	Seaside heliotrope, Salt heliotrope
<i>Tournefortia volubilis</i>	Twining soldierbush
<u>Burseraceae</u>	

Bursera simaruba

Gumbo-limbo

Cactaceae

Acanthocereus tetragonus
Harrisia simpsonii
Opuntia stricta

Barbwire cactus, Dilldoe cactus
Simpson's pricklyapples
Erect pricklypear

Canellaceae

Canella winterana

Cinnamon bark, Pepper cinnamon

Capparaceae

Capparis cynophallophora
Capparis flexuosa

Jamaica caper-tree
Limber caper, Bayleaf capertree

Caricaceae

E *Carica papaya*

Papaya

Casuarinaceae

E *Casuarina equisetifolia*

Australian-pine, Horsetail casuarina

Celastraceae

Crossopetalum rhacoma
Maytenus phyllanthoides

Rhacoma, Maidenberry
Florida mayten

Chenopodiaceae

Atriplex pentandra
Salicornia bigelovii
Salicornia perennis
Suaeda linearis

Beach orach, Crested saltbush
Annual glasswort
Perennial glasswort
Sea-blite, Annual seepweed

Combretaceae

Conocarpus erectus
Laguncularia racemosa

Buttonwood
White mangrove

Convolvulaceae

Ipomoea indica var. *acuminata*

Ocean-blue morningglory

Euphorbiaceae

Chamaesyce blodgettii
Chamaesyce hirta
Chamaesyce hypericifolia
Gymnanthes lucida
Poinsettia cyathophora

Limestone sandmat
Hairy spurge, Pillpod sandmat
Eyebane, Graceful sandmat
Crabwood, Oysterwood
Paintedleaf, Fire-on-the-mountain

Fabaceae

Galactia striata
E *Leucaena leucocephala*
Lysiloma latisiliquum
Piscidia piscipula
Pithecellobium keyense
Pithecellobium unguis-cati
Rhynchosia minima
Sophora tomentosa var. *truncata*

Florida Hammock milkpea
White leadtree
Wild-tamarind, False tamarind
Jamaica-dogwood, Florida fishpoison tree
Florida Keys blackbead
Cat's-claw, Catclaw blackbead
Least snoutbean
Yellow necklacepod

Malvaceae

Herissantia crispa
Sida acuta

Bladdermallow
Common wireweed, Common fanpetals

E	<i>Thespesia populnea</i>	Portiatree
	<u>Meliaceae</u>	
	<i>Swietenia mahagoni</i>	West Indian mahogany
	<u>Moraceae</u>	
	<i>Ficus citrifolia</i>	Short-leaf fig, Wild banyan tree
	<u>Myrsinaceae</u>	
	<i>Ardisia escallonioides</i>	Marlberry
	<u>Myrtaceae</u>	
	<i>Eugenia axillaris</i>	White stopper
	<i>Eugenia foetida</i>	Spanish stopper, Boxleaf stopper
	<u>Nyctaginaceae</u>	
	<i>Guapira discolor</i>	Blolly, Beeftree
	<i>Pisonia aculeata</i>	Devil's claws, Pullback
	<u>Olacaceae</u>	
	<i>Ximenia americana</i>	Hog-plum, Tallowwood
	<u>Passifloraceae</u>	
	<i>Passiflora multiflora</i>	Whiteflower passionflower
	<i>Passiflora suberosa</i>	Corkystem passionflower
	<u>Plumbaginaceae</u>	
	<i>Limonium carolinianum</i>	Saltmarsh-rosemary, Carolina sealavender
	<u>Polygalaceae</u>	
	<i>Polygala grandiflora</i>	Candyweed, Showy milkwort
	<u>Polygonaceae</u>	
	<i>Coccoloba diversifolia</i>	Pigeonplum, Tietongue
	<i>Coccoloba uvifera</i>	Seagrape
	<u>Portulacaceae</u>	
	<i>Portulaca oleracea</i>	Purslane, Little hogweed
	<i>Portulaca rubricaulis</i>	Stalked purslane, Redstem purslane
	<u>Rhamnaceae</u>	
	<i>Krugiodendron ferreum</i>	Black ironwood, Leadwood
	<i>Reynosa septentrionalis</i>	Darlingplum
	<u>Rubiaceae</u>	
	<i>Chiococca alba</i>	Common snowberry, Milkberry
	<i>Chiococca parvifolia</i>	Pineland snowberry
	<i>Guettarda scabra</i>	Rough velvetseed
	<i>Morinda royoc</i>	Yellowroot, Redgal, Mouse's pineapple
	<i>Psychotria nervosa</i>	Shiny-leaved wild-coffee
	<i>Randia aculeata</i>	White indigoberry
	<u>Rutaceae</u>	
	<i>Amyris elemifera</i>	Common torchwood, Sea torchwood
	<i>Zanthoxylum fagara</i>	Wild-lime, Lime prickly-ash
	<u>Sapindaceae</u>	

Exothea paniculata

Inkwood, Butterbough

Sapotaceae

Sideroxylon celastrinum

Saffronplum

Solanaceae

Lycium carolinianum

Christmasberry, Carolina desertthorn

Solanum americanum

Common nightshade, American black nightshade

Solanum erianthum

Potatotree

Verbenaceae

Stachytarpheta jamaicensis

Blue porterweed, Joee

Vitaceae

Vitis rotundifolia

Muscadine

Monocots

Bromeliaceae

Tillandsia flexuosa

Banded wild-pine, Twisted airplant

Tillandsia paucifolia

Twisted wild-pine, Potbelly airplant

Tillandsia recurvata

Ball-moss

Tillandsia usneoides

Spanish-moss

Tillandsia utriculata

Giant wild-pine, Giant airplant

Cyperaceae

E *Fimbristylis cymosa*

Hurricane sedge, Hurricanegrass

Fimbristylis spadicea

Marsh fimbry

Poaceae

Cenchrus incertus

Coastal sandbur

E *Dactyloctenium aegyptium*

Crow's-foot grass, Durban crowfootgrass

E *Eleusine indica*

Indian goose grass

E *Panicum maximum*

Guineagrass

Paspalum caespitosum

Blue paspalum, Blue crowngrass

E *Rhynchelytrum repens*

Rose Natalgrass

Setaria parviflora

Knotroot foxtail, Yellow bristlegrass

Spartina patens

Marshhay cordgrass, Saltmeadow cordgrass

Spartina spartinae

Gulf cordgrass

Sporobolus domingensis

Coral dropseed

Sporobolus virginicus

Seashore dropseed

Urochloa subquadripara

Signal grass, Tropical signalgrass

E = Not Native to the site

Table 4:

**The Vascular Plants of
Little Knockemdown Key Franklin & Zuchero Parcels, Florida
Keys
Wildlife & Environmental Area**

Field Data Collected By:

Keith A. Bradley and Steven W. Woodmansee
The Institute for Regional Conservation
Miami, Florida
On June 8, 2001

Dicots

Anacardiaceae

Metopium toxiferum

Poisonwood, Florida poisontree

Toxicodendron radicans

Eastern poison-ivy

Apocynaceae

Pentalinon luteum

Wild-allamanda, Hammock viperstail

Asteraceae

Borrchia arborescens

Green sea-oxeye-daisy, Tree seaside oxeye

Borrchia frutescens

Silver sea-oxeye-daisy, Bushy seaside oxeye

Avicenniaceae

Avicennia germinans

Black mangrove

Bataceae

Batis maritima

Saltwort, Turtleweed

Boraginaceae

Borreria succulenta

Smooth strongback, Bahama strongbark

Burseraceae

Bursera simaruba

Gumbo-limbo

Canellaceae

Canella winterana

Cinnamon bark, Pepper cinnamon

Capparaceae

Capparis flexuosa

Limber caper, Bayleaf capertree

Celastraceae

Crossopetalum rhacoma

Rhacoma, Maidenberry

Gyminda latifolia

West Indian false boxwood

Chenopodiaceae

<i>Salicornia perennis</i>	Perennial glasswort
<u>Combretaceae</u>	
<i>Conocarpus erectus</i>	Buttonwood
<i>Laguncularia racemosa</i>	White mangrove
<u>Euphorbiaceae</u>	
<i>Chamaesyce porteriana</i>	Porter's sandmat
<i>Savia bahamensis</i>	Maidenbush, Bahama maidenbush
<u>Fabaceae</u>	
<i>Piscidia piscipula</i>	Jamaica-dogwood, Florida fishpoison tree
<i>Pithecellobium keyense</i>	Florida Keys blackbead
<i>Sophora tomentosa</i> var. <i>truncata</i>	Yellow necklacepod
<u>Gentianaceae</u>	
<i>Sabatia stellaris</i>	Rose-of-Plymouth
<u>Malpighiaceae</u>	
<i>Byrsonima lucida</i>	Locustberry
<u>Moraceae</u>	
<i>Ficus citrifolia</i>	Short-leaf fig, Wild banyan tree
<u>Myricaceae</u>	
<i>Myrica cerifera</i>	Wax myrtle, Southern Bayberry
<u>Myrsinaceae</u>	
<i>Ardisia escallonioides</i>	Marlberry
<i>Rapanea punctata</i>	Myrsine, Colicwood
<u>Myrtaceae</u>	
<i>Calyptranthes pallens</i>	Spicewood, Pale lidflower
<i>Eugenia axillaris</i>	White stopper
<i>Eugenia foetida</i>	Spanish stopper, Boxleaf stopper
<i>Psidium longipes</i>	Longstalked-stopper
<u>Nyctaginaceae</u>	
<i>Guapira discolor</i>	Blolly, Beeftree
<u>Olacaceae</u>	
<i>Ximenia americana</i>	Hog-plum, Tallowwood
<u>Plumbaginaceae</u>	
<i>Limonium carolinianum</i>	Saltmarsh-rosemary, Carolina sealavender
<u>Polygonaceae</u>	
<i>Coccoloba diversifolia</i>	Pigeonplum, Tietongue
<i>Coccoloba uvifera</i>	Seagrape
<u>Rhamnaceae</u>	
<i>Reynosa septentrionalis</i>	Darlingplum
<u>Rhizophoraceae</u>	
<i>Rhizophora mangle</i>	Red mangrove
<u>Rubiaceae</u>	
<i>Chiococca parvifolia</i>	Pineland snowberry

<i>Erithalis fruticosa</i>	Blacktorch
<i>Ernodea littoralis</i>	Beach-creeper, Coughbush
<i>Guettarda scabra</i>	Rough velvetseed
<i>Morinda royoc</i>	Yellowroot, Redgal, Mouse's pineapple
<i>Randia aculeata</i>	White indigoberry
<u>Rutaceae</u>	
<i>Amyris elemifera</i>	Common torchwood, Sea torchwood
<u>Sapindaceae</u>	
<i>Exothea paniculata</i>	Inkwood, Butterbough
<u>Sapotaceae</u>	
<i>Manilkara jaimiqui</i> subsp. <i>emarginata</i>	Wild dilly
E <i>Manilkara zapota</i>	Sapodilla
<i>Sideroxylon celastrinum</i>	Saffronplum
<u>Simaroubaceae</u>	
<i>Simarouba glauca</i>	Paradisetree
<u>Solanaceae</u>	
<i>Lycium carolinianum</i>	Christmasberry, Carolina desertthorn
<u>Surianaceae</u>	
<i>Suriana maritima</i>	Baycedar
<u>Theophrastaceae</u>	
<i>Jacquinia keyensis</i>	Joewood

Monocots

<u>Arecaceae</u>	
<i>Sabal palmetto</i>	Cabbage palm
<i>Thrinax morrisii</i>	Silver thatch palm, Brittle thatch palm
<i>Thrinax radiata</i>	Green thatch palm, Florida thatch palm
<u>Bromeliaceae</u>	
<i>Tillandsia flexuosa</i>	Banded wild-pine, Twisted airplant
<i>Tillandsia paucifolia</i>	Twisted wild-pine, Potbelly airplant
<i>Tillandsia utriculata</i>	Giant wild-pine, Giant airplant
<u>Cyperaceae</u>	
<i>Abildgaardia ovata</i>	Flatspike sedge
<i>Cladium jamaicense</i>	Saw-grass, Jamaica swamp sawgrass
<i>Fimbristylis spadicea</i>	Marsh fimbry
<i>Rhynchospora floridensis</i>	Florida whitetop
<u>Poaceae</u>	
<i>Andropogon glomeratus</i> var. <i>pumilus</i>	Common bushy bluestem
<i>Monanthochloe littoralis</i>	Shoregrass, Keygrass
<i>Paspalum caespitosum</i>	Blue paspalum, Blue crowngrass
<i>Sporobolus virginicus</i>	Seashore dropseed
<u>Typhaceae</u>	
<i>Typha domingensis</i>	Southern cat-tail

Pteridophytes

Dennstaedtiaceae

Pteridium aquilinum var. *caudatum*

Lacy braken fern

E = Not Native to the site

Table 5:
**The Vascular Plants of
 Little Knockemdown Key Parcels 1844, 1845 & 1867, Florida Keys
 Wildlife & Environmental Area**

Field Data Collected By:

Keith A. Bradley and Steven W. Woodmansee
 The Institute for Regional Conservation
 Miami, Florida
 On June 7, 2001

Dicots

<u>Anacardiaceae</u> <i>Metopium toxiferum</i>	Poisonwood, Florida poisontree
<u>Apocynaceae</u> <i>Echites umbellata</i> <i>Pentalinon luteum</i>	Devil's-potato, Rubbervine Wild-allamanda, Hammock viperstail
<u>Asteraceae</u> <i>Borrchia arborescens</i> <i>Borrchia frutescens</i>	Green sea-oxeye-daisy, Tree seaside oxeye Silver sea-oxeye-daisy, Bushy seaside oxeye
<u>Avicenniaceae</u> <i>Avicennia germinans</i>	Black mangrove
<u>Bataceae</u> <i>Batis maritima</i>	Saltwort, Turtleweed
<u>Boraginaceae</u> <i>Borreria succulenta</i>	Smooth strongback, Bahama strongbark
<u>Bursaceae</u> <i>Bursera simaruba</i>	Gumbo-limbo
<u>Canellaceae</u> <i>Canella winterana</i>	Cinnamon bark, Pepper cinnamon
<u>Celastraceae</u> <i>Crossopetalum rhacoma</i>	Rhacoma, Maidenberry
<u>Chenopodiaceae</u> <i>Salicornia bigelovii</i> <i>Salicornia perennis</i>	Annual glasswort Perennial glasswort
<u>Combretaceae</u> <i>Conocarpus erectus</i>	Buttonwood

Laguncularia racemosa

White mangrove

<u>Euphorbiaceae</u> <i>Drypetes diversifolia</i>	Milkbark, Whitewood
<u>Fabaceae</u> <i>Piscidia piscipula</i> <i>Pithecellobium keyense</i> <i>Sophora tomentosa</i> var. <i>truncata</i>	Jamaica-dogwood, Florida fishpoison tree Florida Keys blackbead Yellow necklacepod
<u>Malpighiaceae</u> <i>Byrsonima lucida</i>	Locustberry
<u>Moraceae</u> <i>Ficus aurea</i> <i>Ficus citrifolia</i>	Strangler fig, Golden fig Short-leaf fig, Wild banyan tree
<u>Myrsinaceae</u> <i>Ardisia escallonioides</i> <i>Rapanea punctata</i>	Marlberry Myrsine, Colicwood
<u>Myrtaceae</u> <i>Calypttranthes pallens</i> <i>Eugenia axillaris</i> <i>Eugenia foetida</i> <i>Psidium longipes</i>	Spicewood, Pale lidflower White stopper Spanish stopper, Boxleaf stopper Longstalked-stopper
<u>Nyctaginaceae</u> <i>Guapira discolor</i>	Blolly, Beefree
<u>Olacaceae</u> <i>Ximenia americana</i>	Hog-plum, Tallowwood
<u>Plumbaginaceae</u> <i>Limonium carolinianum</i>	Saltmarsh-rosemary, Carolina sealavender
<u>Polygonaceae</u> <i>Coccoloba diversifolia</i> <i>Coccoloba uvifera</i>	Pigeonplum, Tietongue Seagrape
<u>Rhamnaceae</u> <i>Reynosa septentrionalis</i>	Darlingplum
<u>Rhizophoraceae</u> <i>Rhizophora mangle</i>	Red mangrove
<u>Rubiaceae</u> <i>Chiococca parvifolia</i> <i>Erithalis fruticosa</i> <i>Ernodea littoralis</i> <i>Genipa clusiifolia</i> <i>Guettarda scabra</i> <i>Morinda royoc</i> <i>Randia aculeata</i>	Pineland snowberry Blacktorch Beach-creeper, Coughbush Sevenyear-apple, Sevenyear apple Rough velvetseed Yellowroot, Redgal, Mouse's pineapple White indigoberry
<u>Rutaceae</u> <i>Amyris elemifera</i>	Common torchwood, Sea torchwood

Sapindaceae

Exothea paniculata

Inkwood, Butterbough

Sapotaceae

Manilkara jaimiqui subsp. *emarginata*

Wild dilly

Sideroxylon celastrinum

Saffronplum

Sideroxylon salicifolium

Willow-bustic, White bully

Simaroubaceae

Simarouba glauca

Paradisetree

Surianaceae

Suriana maritima

Baycedar

Theophrastaceae

Jacquinia keyensis

Joewood

Monocots

Agavaceae

E *Agave sisalana*

Sisal-hemp

Arecaceae

Coccothrinax argentata

Florida silver palm

E *Cocos nucifera*

Coconut palm

Sabal palmetto

Cabbage palm

Thrinax morrisii

Silver thatch palm, Brittle thatch palm

Bromeliaceae

Tillandsia flexuosa

Banded wild-pine, Twisted airplant

Tillandsia paucifolia

Twisted wild-pine, Potbelly airplant

Cyperaceae

Cladium jamaicense

Saw-grass, Jamaica swamp sawgrass

Fimbristylis spadicea

Marsh fimbry

Orchidaceae

E *Oeceoclades maculata*

African ground orchid, Monk orchid

Poaceae

Monanthochloe littoralis

Shoregrass, Keygrass

Sporobolus virginicus

Seashore dropseed

E = Not Native to the site

Table 6:
The Rare Vascular Plants of
Big Torch Key Parcels 884 & 885,
Florida Keys Wildlife & Environmental Area

Field Data Collected By:

Keith A. Bradley and Steven W. Woodmansee
The Institute for Regional Conservation
Miami, Florida
On June 6, 2001

<u>Species</u>	<u>State Status</u>	<u>Federal Status</u>	<u>FNAI Status</u>	<u>IRC Status</u>	<u>Pop. Estimate</u>
<i>Byrsonima lucida</i>	T				1,001-10,000
<i>Calyptranthes pallens</i>	T				1,001-10,000
<i>Chamaesyce garberi</i>	E	T	S1	SF2	2-10
<i>Coccothrinax argentata</i>	T				2-10
<i>Crossopetalum rhacoma</i>	T				101-1,000
<i>Drypetes diversifolia</i>	E		S2	SF2	2-10
<i>Erithalis fruticosa</i>	T				1,001-10,000
<i>Linum arenicola</i>	E		S1S2	SF2	11-100
<i>Manilkara jaimiqui</i> subsp. <i>emarginata</i>	T				1,001-10,000
<i>Pithecellobium keyense</i>	T				101-1,000
<i>Psidium longipes</i>	T		S2		1,001-10,000
<i>Reynosia septentrionalis</i>	T				1,001-10,000
<i>Rhynchospora floridensis</i>			S2		11-100
<i>Solanum verbascifolium</i>	T				101-1,000
<i>Thrinax morrisii</i>	E				101-1,000
<i>Thrinax radiata</i>	E		S2		11-100
<i>Tillandsia flexuosa</i>	T				101-1,000
<i>Tillandsia utriculata</i>	E				11-100

T = Threatened
E = Endangered
S1 = Critically Imperiled in Florida
S2 = Imperiled in Florida
SF1 = Critically Imperiled in South Florida
SF2 = Imperiled in South Florida

Table 7:
The Rare Vascular Plants of
Key Largo Ansama Parcel,
Florida Keys Wildlife & Environmental Area

Field Data Collected By:

Keith A. Bradley and Steven W. Woodmansee
The Institute for Regional Conservation
Miami, Florida
On May 31, 2001

<u>Species</u>	<u>State Status</u>	<u>Federal Status</u>	<u>FNAI Status</u>	<u>IRC Status</u>	<u>Pop. Estimate</u>
<i>Canella winterana</i>	E		S2		2-10
<i>Chrysophyllum oliviforme</i>	T				2-10
<i>Passiflora multiflora</i>	E		S1	SF2	2-10
<i>Pithecellobium keyense</i>	T				101-1,000
<i>Rhynchosia swartzii</i>	E			SF1	1
<i>Swietenia mahagoni</i>	T				101-1,000

T = Threatened
E = Endangered
S1 = Critically Imperiled in Florida
S2 = Imperiled in Florida
SF1 = Critically Imperiled in South Florida
SF2 = Imperiled in South Florida

Table 8:
The Rare Vascular Plants of
Key Largo Brown Parcel,
Florida Keys Wildlife & Environmental Area

Field Data Collected By:

Keith A. Bradley and Steven W. Woodmansee
The Institute for Regional Conservation
Miami, Florida
On May 31, 2001

<u>Species</u>	<u>State Status</u>	<u>Federal Status</u>	<u>FNAI Status</u>	<u>IRC Status</u>	<u>Pop. Estimate</u>
<i>Acanthocereus tetragonus</i>	T				2-10
<i>Bourreria succulenta</i>	E				2-10
<i>Canella winterana</i>	E		S2		2-10
<i>Crossopetalum rhacoma</i>	T				2-10
<i>Harrisia simpsonii</i>	E		S2	SF2	2-10
<i>Maytenus phyllanthoides</i>	T				2-10
<i>Opuntia stricta</i>	T				2-10
<i>Passiflora multiflora</i>	E		S1	SF2	1
<i>Pithecellobium keyense</i>	T				1,001-10,000
<i>Reynosia septentrionalis</i>	T				1
<i>Swietenia mahagoni</i>	T				101-1,000
<i>Tillandsia flexuosa</i>	T				101-1,000
<i>Tillandsia utriculata</i>	E				101-1,000

T = Threatened
E = Endangered
S1 = Critically Imperiled in Florida
S2 = Imperiled in Florida
SF1 = Critically Imperiled in South Florida
SF2 = Imperiled in South Florida

Table 9:

The Rare Vascular Plants of

Little Knockemdown Key Franklin & Zuchero Parcels,

Florida Keys Wildlife & Environmental Area

Field Data Collected By:

Keith A. Bradley and Steven W. Woodmansee
The Institute for Regional Conservation
Miami, Florida
On June 8, 2001

<u>Species</u>	<u>State Status</u>	<u>Federal Status</u>	<u>FNAI Status</u>	<u>IRC Status</u>	<u>Pop. Estimate</u>
<i>Bourreria succulenta</i>	E				2-10
<i>Byrsonima lucida</i>	T				1,001-10,000
<i>Calyptanthes pallens</i>	T				11-100
<i>Canella winterana</i>	E		S2		2-10
<i>Chamaesyce porteriana</i>	E		S2		101-1,000
<i>Crossopetalum rhacoma</i>	T				101-1,000
<i>Erithalis fruticosa</i>	T				1,001-10,000
<i>Gyminda latifolia</i>	E		S2	SF2	11-100
<i>Jacquinia keyensis</i>	T				101-1,000
<i>Manilkara jaimiqui</i> subsp. <i>emarginata</i>	T				1,001-10,000
<i>Pithecellobium keyense</i>	T				1,001-10,000
<i>Psidium longipes</i>	T		S2		2-10
<i>Reynosia septentrionalis</i>	T				1,001-10,000
<i>Rhynchospora floridensis</i>			S2		11-100
<i>Savia bahamensis</i>	E		S2	SF2	11-100
<i>Thrinax morrisii</i>	E				1,001-10,000
<i>Thrinax radiata</i>	E		S2		1
<i>Tillandsia flexuosa</i>	T				101-1,000
<i>Tillandsia utriculata</i>	E				2-10

T = Threatened
E = Endangered
S1 = Critically Imperiled in Florida
S2 = Imperiled in Florida
SF1 = Critically Imperiled in South Florida
SF2 = Imperiled in South Florida

Table 10:
The Rare Vascular Plants of
Little Knockemdown Key Parcels 1844, 1845 & 1867,
Florida Keys Wildlife & Environmental Area

Field Data Collected By:

Keith A. Bradley and Steven W. Woodmansee
The Institute for Regional Conservation
Miami, Florida
On June 7, 2001

<u>Species</u>	<u>State Status</u>	<u>Federal Status</u>	<u>FNAI Status</u>	<u>IRC Status</u>	<u>Pop. Estimate</u>
<i>Bourreria succulenta</i>	E				11-100
<i>Byrsonima lucida</i>	T				1,001-10,000
<i>Calyptranthes pallens</i>	T				11-100
<i>Canella winterana</i>	E		S2		2-10
<i>Coccothrinax argentata</i>	T				1
<i>Crossopetalum rhacoma</i>	T				101-1,000
<i>Drypetes diversifolia</i>	E		S2	SF2	11-100
<i>Erithalis fruticosa</i>	T				101-1,000
<i>Jacquinia keyensis</i>	T				2-10
<i>Manilkara jaimiqui</i> subsp. <i>emarginata</i>	T				101-1,000
<i>Pithecellobium keyense</i>	T				1,001-10,000
<i>Psidium longipes</i>	T		S2		11-100
<i>Reynosia septentrionalis</i>	T				1,001-10,000
<i>Thrinax morrisii</i>	E				101-1,000
<i>Tillandsia flexuosa</i>	T				101-1,000

T = Threatened
E = Endangered
S1 = Critically Imperiled in Florida
S2 = Imperiled in Florida
SF1 = Critically Imperiled in South Florida
SF2 = Imperiled in South Florida

Table 11:

**Floristic Summary of
Five Properties in the**

FLORIDA KEYS WILDLIFE & ENVIRONMENTAL AREA

	Total Species¹	Exotic	Native	Total Rare	Federal	State Listed	FNAI²	IRC³
<i>Big Torch Key parcels 884 & 885</i>	97	9	88	18	1	17	6	3
<i>Key Largo Ansama parcel</i>	64	11	53	6	0	6	2	2
<i>Key Largo Brown parcel</i>	102	10	92	13	0	13	3	2
<i>Little Knockemdown Key Franklin & Zuchero parcels</i>	69	1	68	19	0	18	7	2
<i>Little Knockemdown Key parcels 1844, 1845 & 1867</i>	62	3	59	15	0	15	3	1

¹ Native species and naturalized exotics.

² Florida Natural Areas Inventory, taxa listed as Critically Imperiled (S1) or Imperiled (S2) in Florida

³ The Institute for Regional Conservation, taxa listed as Critically Imperiled (SF1) or Imperiled (SF2) in southern Florida

Table 12:
**Comprehensive Plant List of Five Properties in the
 Florida Keys Wildlife & Environmental Area**

N = Native to the Site, E = Exotic to the Site

<u>Species</u>	Big Torch	Key Largo Ansama	Key Largo Brown	Little Knock. Franklin & Zuchero	Little Knock. 1844, 1845 , 1867
<i>Abildgaardia ovata</i>	N			N	
<i>Acacia pinetorum</i>	N				
<i>Acanthocereus tetragonus</i>			N		
<i>Agalinis fasciculata</i>	N				
<i>Agave sisalana</i>	E				E
<i>Alternanthera flavescens</i>			N		
<i>Amyris elemifera</i>	N		N	N	N
<i>Andropogon glomeratus</i> var. <i>pumilus</i>	N			N	
<i>Ardisia escallonioides</i>	N	N	N	N	N
<i>Aristida purpurascens</i> var. <i>tenuispica</i>	N				
<i>Aster bracei</i>	N				
<i>Atriplex pentandra</i>			N		
<i>Avicennia germinans</i>	N		N	N	N
<i>Batis maritima</i>	N		N	N	N
<i>Bidens alba</i> var. <i>radiata</i>	N		N		
<i>Blutaparon vermiculare</i>	N		N		
<i>Borrichia arborescens</i>	N		N	N	N
<i>Borrichia frutescens</i>	N		N	N	N
<i>Bourreria succulenta</i>			N	N	N
<i>Bursera simaruba</i>	N	N	N	N	N
<i>Byrsonima lucida</i>	N			N	N
<i>Calypttranthes pallens</i>	N			N	N
<i>Canella winterana</i>		N	N	N	N
<i>Capparis cynophallophora</i>			N		
<i>Capparis flexuosa</i>		N	N	N	
<i>Cardiospermum corindum</i>		N			
<i>Carica papaya</i>			E		
<i>Casuarina equisetifolia</i>	E		E		
<i>Catharanthus roseus</i>		E			
<i>Cenchrus incertus</i>			N		
<i>Chamaesyce blodgettii</i>	N		N		
<i>Chamaesyce garberi</i>	N				
<i>Chamaesyce hirta</i>			N		
<i>Chamaesyce hypericifolia</i>		N	N		
<i>Chamaesyce mesembrianthemifolia</i>	N				
<i>Chamaesyce ophthalmica</i>		N			

<u>Species</u>	Big Torch	Key Largo Ansama	Key Largo Brown	Little Knock. Franklin & Zuchero	Little Knock. 1844, 1845 , 1867
<i>Chamaesyce porteriana</i>				N	
<i>Chiococca alba</i>		N	N		
<i>Chiococca parvifolia</i>	N		N	N	N
<i>Chrysophyllum oliviforme</i>		N			
<i>Cladium jamaicense</i>	N			N	N
<i>Coccoloba diversifolia</i>	N	N	N	N	N
<i>Coccoloba uvifera</i>	N		N	N	N
<i>Coccothrinax argentata</i>	N				N
<i>Cocos nucifera</i>					E
<i>Conocarpus erectus</i>	N		N	N	N
<i>Corchorus siliquosus</i>		N			
<i>Crossopetalum rhacoma</i>	N		N	N	N
<i>Cynanchum angustifolium</i>	N		N		
<i>Cynanchum northropiae</i>			N		
<i>Dactyloctenium aegyptium</i>	E		E		
<i>Desmanthus virgatus</i>		N			
<i>Drypetes diversifolia</i>	N				N
<i>Echites umbellata</i>		N	N		N
<i>Eleusine indica</i>			E		
<i>Encyclia tampensis</i>	N				
<i>Eragrostis elliotii</i>	N				
<i>Erithalis fruticosa</i>	N			N	N
<i>Ernodea littoralis</i>	N			N	N
<i>Eugenia axillaris</i>	N	N	N	N	N
<i>Eugenia foetida</i>	N	N	N	N	N
<i>Eustachys petraea</i>	N				
<i>Eustoma exaltatum</i>	N				
<i>Exothea paniculata</i>		N	N	N	N
<i>Ficus aurea</i>	N	N			N
<i>Ficus citrifolia</i>	N	N	N	N	N
<i>Fimbristylis cymosa</i>	E		E		
<i>Fimbristylis spadicea</i>	N		N	N	N
<i>Flaveria linearis</i>	N				
<i>Galactia striata</i>		N	N		
<i>Galactia volubilis</i>		N			
<i>Genipa clusiifolia</i>					N
<i>Gouania lupuloides</i>		N			
<i>Guapira discolor</i>	N	N	N	N	N
<i>Guettarda elliptica</i>		N			
<i>Guettarda scabra</i>		N	N	N	N
<i>Gyminda latifolia</i>				N	
<i>Gymnanthes lucida</i>		N	N		
<i>Hamelia patens</i>		N			
<i>Harrisia simpsonii</i>			N		
<i>Heliotropium angiospermum</i>		N			

<u>Species</u>	Big Torch	Key Largo Ansama	Key Largo Brown	Little Knock. Franklin & Zuchero	Little Knock. 1844, 1845, 1867
<i>Heliotropium curassavicum</i>			N		
<i>Herissantia crispa</i>		N	N		
<i>Ipomoea indica</i> var. <i>acuminata</i>		N	N		
<i>Jacquinia keyensis</i>				N	N
<i>Krugiodendron ferreum</i>	N		N		
<i>Laguncularia racemosa</i>	N		N	N	N
<i>Lantana involucrata</i>		N			
<i>Lasiacis divaricata</i>		N			
<i>Leucaena leucocephala</i>		E	E		
<i>Limonium carolinianum</i>			N	N	N
<i>Linum arenicola</i>					
<i>Lycium carolinianum</i>	N		N	N	
<i>Lysiloma latisiliquum</i>		N	N		
<i>Manilkara jaimiqui</i> subsp. <i>emarginata</i>	N			N	N
<i>Manilkara zapota</i>		E		E	
<i>Maytenus phyllanthoides</i>			N		
<i>Merremia dissecta</i>		E			
<i>Metopium toxiferum</i>	N	N	N	N	N
<i>Monanthochloe littoralis</i>	N			N	N
<i>Morinda royoc</i>	N	N	N	N	N
<i>Myrica cerifera</i>				N	
<i>Nephrolepis multiflora</i>	E				
<i>Oeceoclades maculata</i>	E	E			E
<i>Opuntia stricta</i>			N		
<i>Panicum maximum</i>		E	E		
<i>Panicum virgatum</i>	N				
<i>Paspalum caespitosum</i>	N	N	N	N	
<i>Paspalum setaceum</i>		N			
<i>Passiflora multiflora</i>		N	N		
<i>Passiflora suberosa</i>		N	N		
<i>Pectis glaucescens</i>	N				
<i>Pentalinon luteum</i>	N			N	N
<i>Phlebodium aureum</i>	N				
<i>Phoenix reclinata</i>	E				
<i>Phyla nodiflora</i>	N				
<i>Piscidia piscipula</i>	N	N	N	N	N
<i>Pisonia aculeata</i>		N	N		
<i>Pithecellobium keyense</i>	N	N	N	N	N
<i>Pithecellobium unguis-cati</i>		N	N		
<i>Pluchea carolinensis</i>	N				
<i>Poinsettia cyathophora</i>		N	N		
<i>Polygala grandiflora</i>	N		N		
<i>Polypremum procumbens</i>	N				
<i>Portulaca oleracea</i>			N		
<i>Portulaca rubricaulis</i>			N		

<u>Species</u>	<u>Big Torch</u>	<u>Key Largo Ansama</u>	<u>Key Largo Brown</u>	<u>Little Knock. Franklin & Zuchero</u>	<u>Little Knock. 1844, 1845, 1867</u>
<i>Psidium longipes</i>	N			N	N
<i>Psychotria nervosa</i>		N	N		
<i>Pteridium aquilinum</i> var. <i>caudatum</i>				N	
<i>Randia aculeata</i>	N		N	N	N
<i>Rapanea punctata</i>	N			N	N
<i>Rayjacksonia phyllocephala</i>	N				
<i>Reynosia septentrionalis</i>	N		N	N	N
<i>Rhizophora mangle</i>	N			N	N
<i>Rhynchelytrum repens</i>		E	E		
<i>Rhynchosia minima</i>			N		
<i>Rhynchosia swartzii</i>		N			
<i>Rhynchospora floridensis</i>	N			N	
<i>Sabal palmetto</i>				N	N
<i>Sabatia stellaris</i>				N	
<i>Salicornia bigelovii</i>	N		N		N
<i>Salicornia perennis</i>	N		N	N	N
<i>Sansevieria hyacinthoides</i>		E			
<i>Savia bahamensis</i>				N	
<i>Schinus terebinthifolius</i>	E	E	E		
<i>Schizachyrium gracile</i>	N				
<i>Schizachyrium sanguineum</i>	N				
<i>Serenoa repens</i>	N				
<i>Sesuvium portulacastrum</i>			N		
<i>Setaria parviflora</i>			N		
<i>Sida acuta</i>			N		
<i>Sida ciliaris</i>	N				
<i>Sideroxylon celastrinum</i>	N		N	N	N
<i>Sideroxylon salicifolium</i>		N			N
<i>Simarouba glauca</i>				N	N
<i>Solanum americanum</i>			N		
<i>Solanum erianthum</i>			N		
<i>Solanum verbascifolium</i>	N				
<i>Sophora tomentosa</i> var. <i>truncata</i>	N		N	N	N
<i>Spartina patens</i>			N		
<i>Spartina spartinae</i>	N		N		
<i>Spermacoce verticillata</i>	E				
<i>Sporobolus domingensis</i>	N		N		
<i>Sporobolus indicus</i> var. <i>pyramidalis</i>		E			
<i>Sporobolus virginicus</i>	N		N	N	N
<i>Stachytarpheta jamaicensis</i>	N		N		
<i>Stenotaphrum secundatum</i>		E			
<i>Stylosanthes hamata</i>		N			
<i>Suaeda linearis</i>			N		
<i>Suriana maritima</i>	N			N	N
<i>Swietenia mahagoni</i>		N	N		

<u>Species</u>	Big Torch	Key Largo Ansama	Key Largo Brown	Little Knock. Franklin & Zuchero	Little Knock. 1844, 1845 , 1867
<i>Thespesia populnea</i>			E		
<i>Thrinax morrisii</i>	N			N	N
<i>Thrinax radiata</i>	N			N	
<i>Tillandsia flexuosa</i>	N		N	N	N
<i>Tillandsia paucifolia</i>	N		N	N	N
<i>Tillandsia recurvata</i>			N		
<i>Tillandsia usneoides</i>			N		
<i>Tillandsia utriculata</i>	N		N	N	
<i>Tournefortia volubilis</i>		N	N		
<i>Toxicodendron radicans</i>				N	
<i>Trema micranthum</i>		N			
<i>Typha domingensis</i>				N	
<i>Urochloa subquadripara</i>			N		
<i>Vitis rotundifolia</i>		N	N		
<i>Waltheria indica</i>	N	N			
<i>Ximenia americana</i>	N		N	N	N
<i>Zanthoxylum fagara</i>		N	N		

Table 13:
**Rare Plants of Five Properties in the
Florida Keys Wildlife & Environmental Area**

Species	Federal	State	FNAI	IRC
<i>Acanthocereus tetragonus</i>		T		
<i>Bourreria succulenta</i>		E		
<i>Byrsonima lucida</i>		T		
<i>Calypttranthes pallens</i>		T		
<i>Canella winterana</i>		E	S2	
<i>Chamaesyce garberi</i>	T	E	S1	SF2
<i>Chamaesyce porteriana</i>		E	S2	
<i>Chrysophyllum oliviforme</i>		T		
<i>Coccothrinax argentata</i>		T		
<i>Crossopetalum rhacoma</i>		T		
<i>Drypetes diversifolia</i>		E	S2	SF2
<i>Erithalis fruticosa</i>		T		
<i>Gyminda latifolia</i>		E	S2	SF2
<i>Harrisia simpsonii</i>		E	S2	SF2
<i>Jacquinia keyensis</i>		T		
<i>Linum arenicola</i>		E	S1S2	SF2
<i>Manilkara jaimiqui</i> subsp. <i>emarginata</i>		T		
<i>Maytenus phyllanthoides</i>		T		
<i>Opuntia stricta</i>		T		
<i>Passiflora multiflora</i>		E	S1	SF2
<i>Pithecellobium keyense</i>		T		
<i>Psidium longipes</i>		T	S2	
<i>Reynosia septentrionalis</i>		T		
<i>Rhynchosia swartzii</i>		E		SF1
<i>Rhynchospora floridensis</i>			S2	
<i>Savia bahamensis</i>		E	S2	SF2
<i>Solanum verbascifolium</i>		T		
<i>Swietenia mahagoni</i>		T		
<i>Thrinax morrisii</i>		E		
<i>Thrinax radiata</i>		E	S2	
<i>Tillandsia flexuosa</i>		T		
<i>Tillandsia utriculata</i>		E		