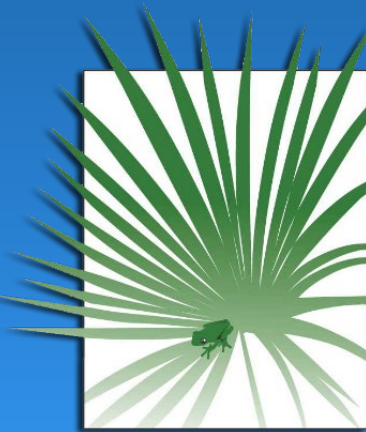


KEY FEATURES IN DETERMINING THE WEEDS FROM THE NATIVES



Dexter Sowell & Kim Gulledge
Florida Natural Areas Inventory
March 2018



FLORIDA
Natural Areas
INVENTORY

INTRODUCTION

- *Land managers and contractors*
- *Active exotics removal in Florida and at same time high number of native/rare species that are very similar to exotics*
- *Avoiding non-target damage to our natives is KEY*
- *This presentation is a series of species comparisons to help us avoid non-target damage*

Information Sources:

- *Florida Natural Areas Inventory*
- *ISB Atlas of Florida Plants*
- *UF/IFAS Center for Invasive Plants*

EXOTIC

NATIVE

Don't let "mistaken identity" happen in your invasives control projects !!!

TREES AND SHRUBS

CHINESE TALLOW

Triadica sebifera



CORALBEAN

Erythrina herbacea



© www.auJardin.info

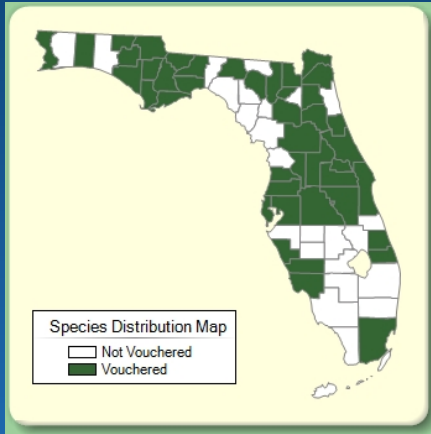


UF/IFAS

Erythrina herbacea

CHINESE TALLOW

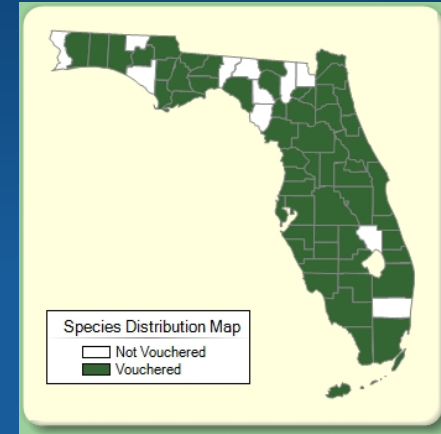
Triadica sebifera



- Tree, unarmed
- Simple leaf
- Small yellow flowers
- Milky sap
- Capsule with white seeds

CORALBEAN

Erythrina herbacea



- Small shrub, armed
- Compound leaf
- Red tubular flower
- No milky sap
- Legume (bean pod) with red seeds



UGA2151093

SHOEBUTTON ARDISIA

Ardisia elliptica



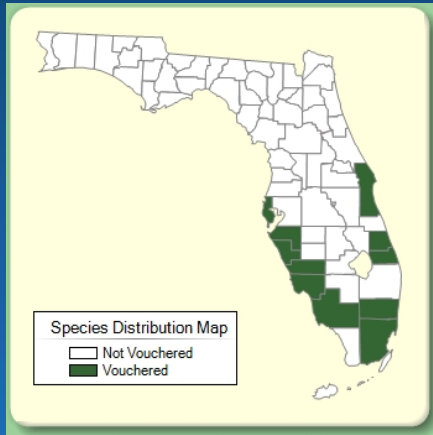
MARLBERRY

Ardisia escallonioides



SHOEBUTTON ARDISIA

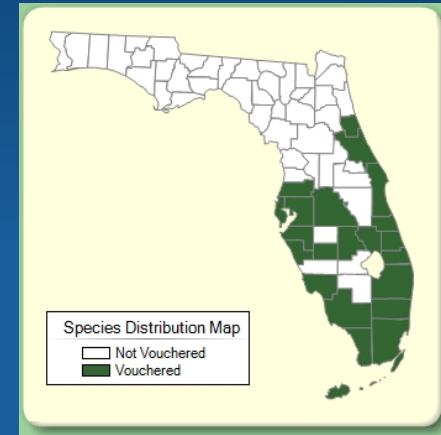
Ardisia elliptica



- Leaf margins revolute
- Flowers in stalked axillary clusters
- Shrub <2 meters tall

MARLBERRY

Ardisia escallonioides



- Leaf margins flat
- Flowers in terminal clusters
- Shrub/small tree to 5 meters tall or more

CORAL ARDISIA

Ardisia crenata



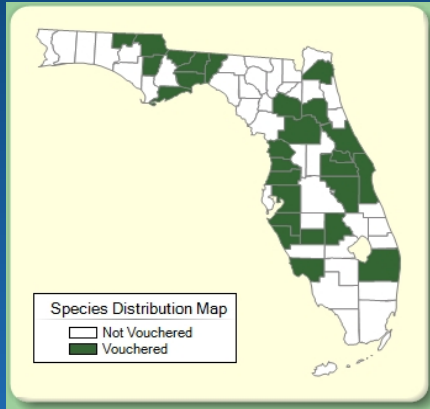
MARLBERRY

Ardisia escallonioides



CORAL ARDISIA

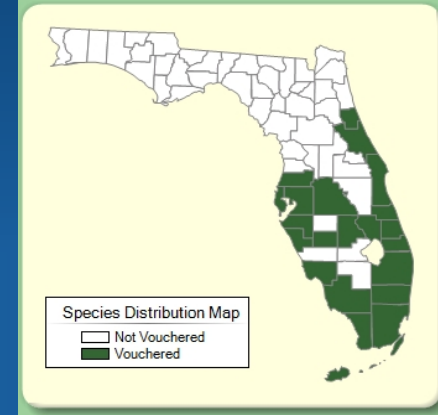
Ardisia crenata



- Leaves with crenate margins
- Flowers in stalked axillary clusters
- Bright red drupes

MARLBERRY

Ardisia escallonioides



- Leaves entire
- Flowers in terminal clusters
- Drupes turning black

CORAL ARDISIA

Ardisia crenata



WILD COFFEE

Psychotria nervosa



Psychotria nervosa

Photo by T. Ann Williams

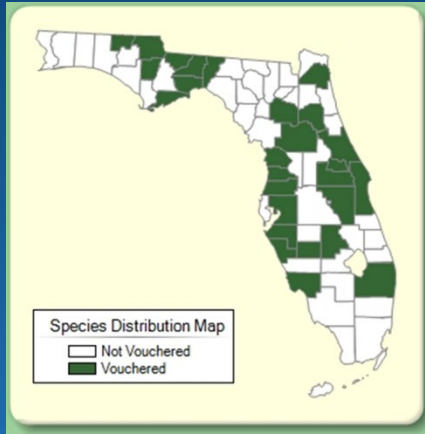
Psychotria nervosa

Photo by Keith Bradley



CORAL ARDISIA

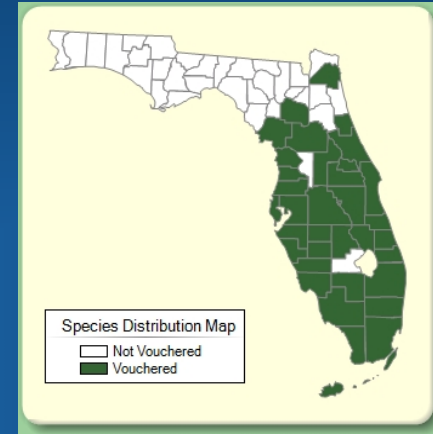
Ardisia crenata



- Alternate leaves
- Revolute, crenate leaf margin
- Leaf veins not prominent

WILD COFFEE

Psychotria nervosa



- Opposite leaves
- Slightly revolute, entire to wavy leaf margin
- Leaf veins prominent



CHINESE PRIVET

Ligustrum sinense



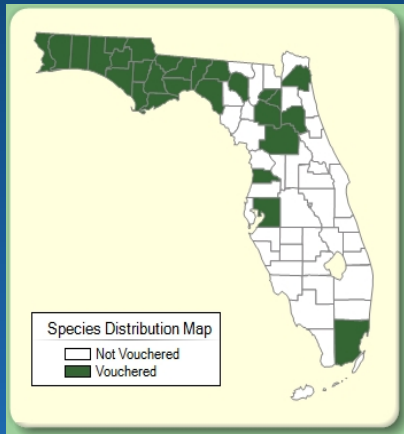
GODFREY'S SWAMP PRIVET

Forestiera godfreyi



CHINESE PRIVET

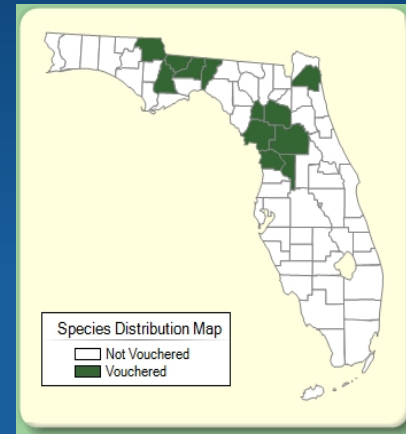
Ligustrum sinense



- Terminal flower clusters
- Evergreen leaves
- Leaf margins entire
- Short petiole
- Underside of leaves with hairs along the midvein

GODFREY'S SWAMP PRIVET

Forestiera godfreyi



- Axillary flower clusters
- Deciduous leaves
- Leaf margins toothed above the middle
- Longer petiole
- Underside of leaves uniformly hairy

CHINESE PRIVET

Ligustrum sinense



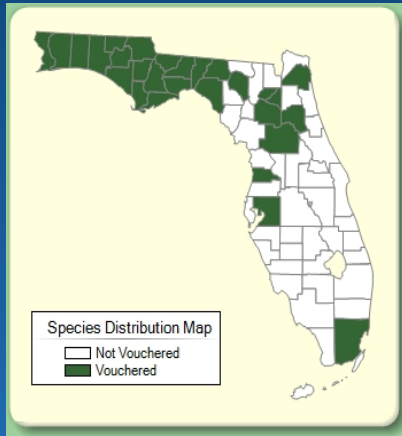
FLORIDA SWAMP PRIVET

Forestiera segregata



CHINESE PRIVET

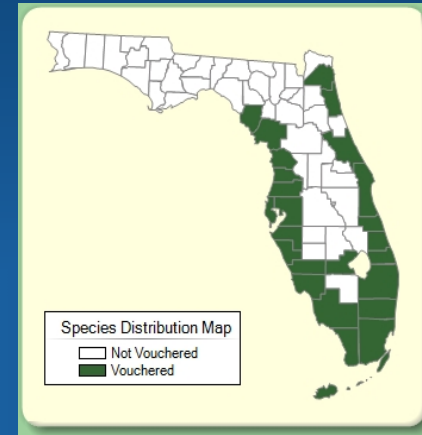
Ligustrum sinense



- Terminal flower clusters
- Short petiole
- Leaves elliptic
- Underside of leaves with hairs along the midvein

FLORIDA SWAMP PRIVET

Forestiera segregata



- Axillary flower clusters
- Leaves sessile
- Leaves obovate
- Underside of leaves glabrous



CHINESE PRIVET

Ligustrum sinense

UGA5302027

CHINESE PRIVET

Ligustrum sinense



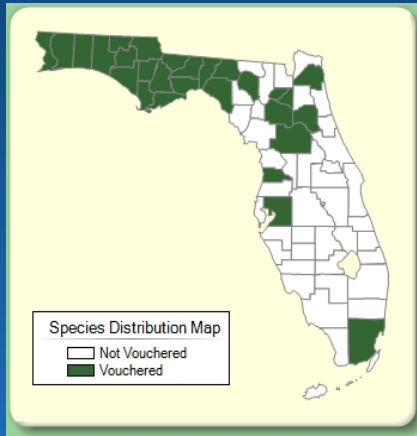
WALTER'S VIBURNUM

Viburnum obovatum



CHINESE PRIVET

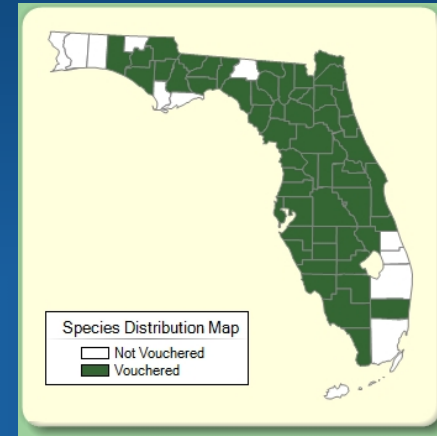
Ligustrum sinense



- Four petals/flower
- Leaf margin entire
- No short shoots
- Young stems hairy

WALTER'S VIBURNUM

Viburnum obovatum



- Five petals/flower
- Leaf margin entire or serrate
- Short shoots
- Young stems and leaves with rusty scales

BEACH NAUPAKA

Scaevola taccada



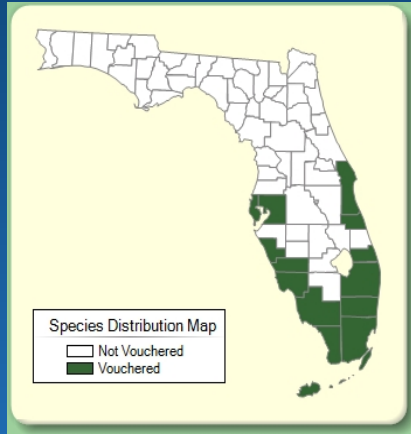
INKBERRY

Scaevola plumieri



BEACH NAUPAKA

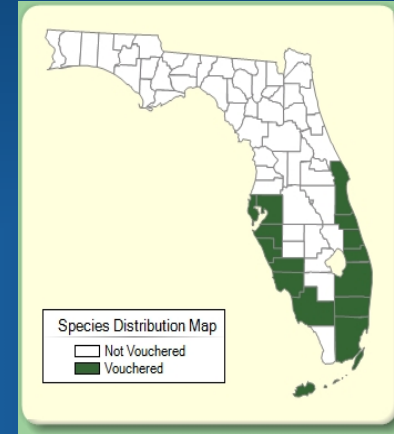
Scaevola taccada



- Leaves longer (to 21 cm)
- Leaves rolled
- Leaves less succulent
- White fruit
- Green foliage

INKBERRY

Scaevola plumieri



- Leaves shorter (to 10 cm)
- Leaves flat
- Leaves more succulent
- Black fruit
- Yellow-green foliage

BEACH NAUPAKA

Scaevola taccada



INKBERRY

Scaevola plumieri





Invasive, beach Naupaka (*Scaevola taccada*) growing with native Inkberry (*Scaevola plumieri*).

BEACH NAUPAKA

Scaevola taccada



BEACH NAUPAKA

Scaevola taccada



SEVENYEAR APPLE

Genipa clusiifolia



BEACH NAUPAKA

Scaevola taccada

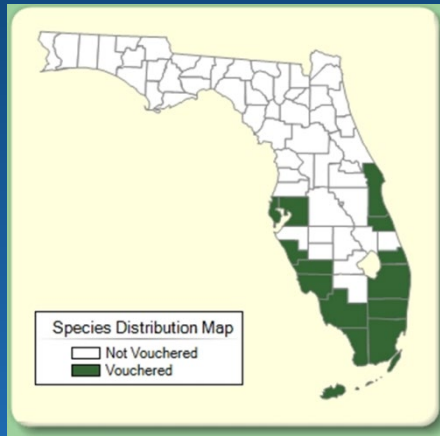


SEVENYEAR APPLE

Genipa glusiifolia

BEACH NAUPAKA

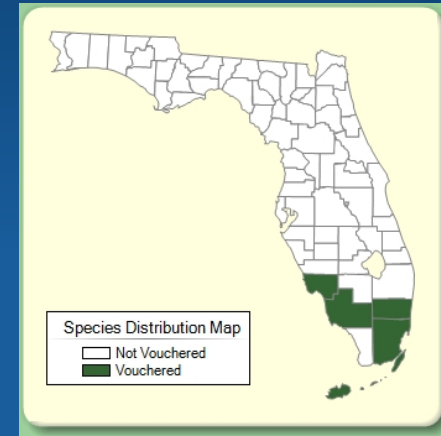
Scaevola taccada



- Leaves alternate (but densely clustered)
- White fruit
- Fruit smaller
- Flowers zygomorphic

SEVENYEAR APPLE

Genipa clusiifolia



- Leaves opposite
- Black fruit (green when immature)
- Fruit larger (6-10cm)
- Flowers actinomorphic

LANTANA

Lantana strigocamara



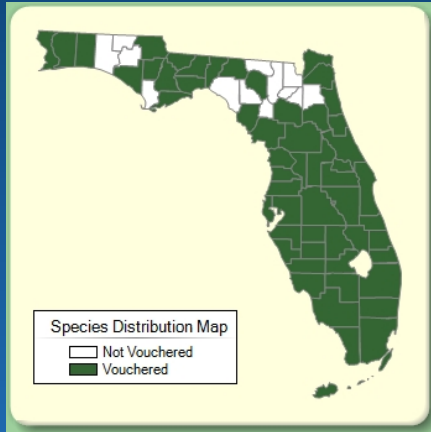
PINELAND LANTANA

Lantana depressa



LANTANA

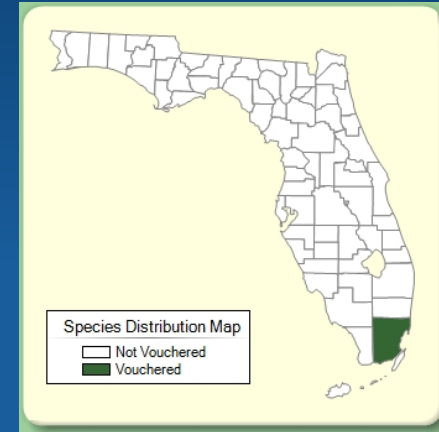
Lantana camara



- Obtuse leaf base
- Leaves more or less flat
- Orange or multi-colored flowers

PINELAND LANTANA

Lantana depressa



- Acute leaf base
- Leaves folded along midrib
- All flowers yellow

LANTANA

Lantana camara



HEAVENLY BAMBOO

Nandina domestica



DEVIL'S WALKINGSTICK

Aralia spinosa



HEAVENLY BAMBOO

Nandina domestica



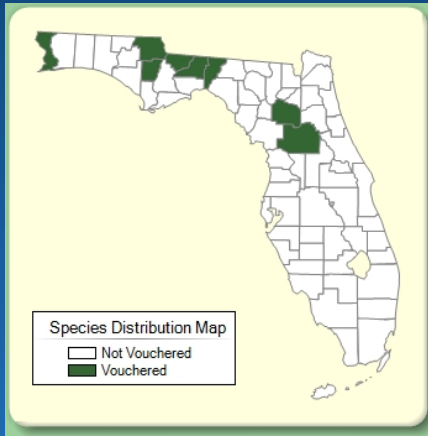
DEVIL'S WALKINGSTICK

Aralia spinosa



HEAVENLY BAMBOO

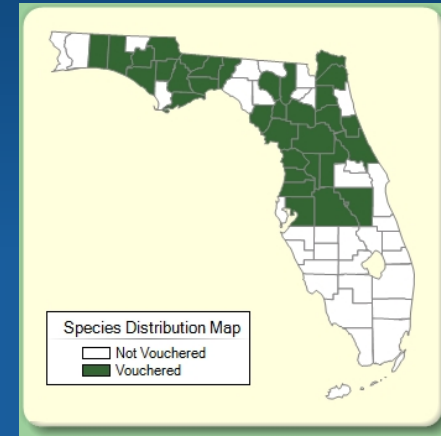
Nandina domestica



- Leaflet margin entire
- Stem and leaves unarmed
- Red berry

DEVIL'S WALKINGSTICK

Aralia spinosa



- Leaflet margin serrate
- Stem and leaves armed with prickles
- Purple/black drupe

Aralia spinosa

Photo by Shirley Denton



DEVIL'S WALKINGSTICK

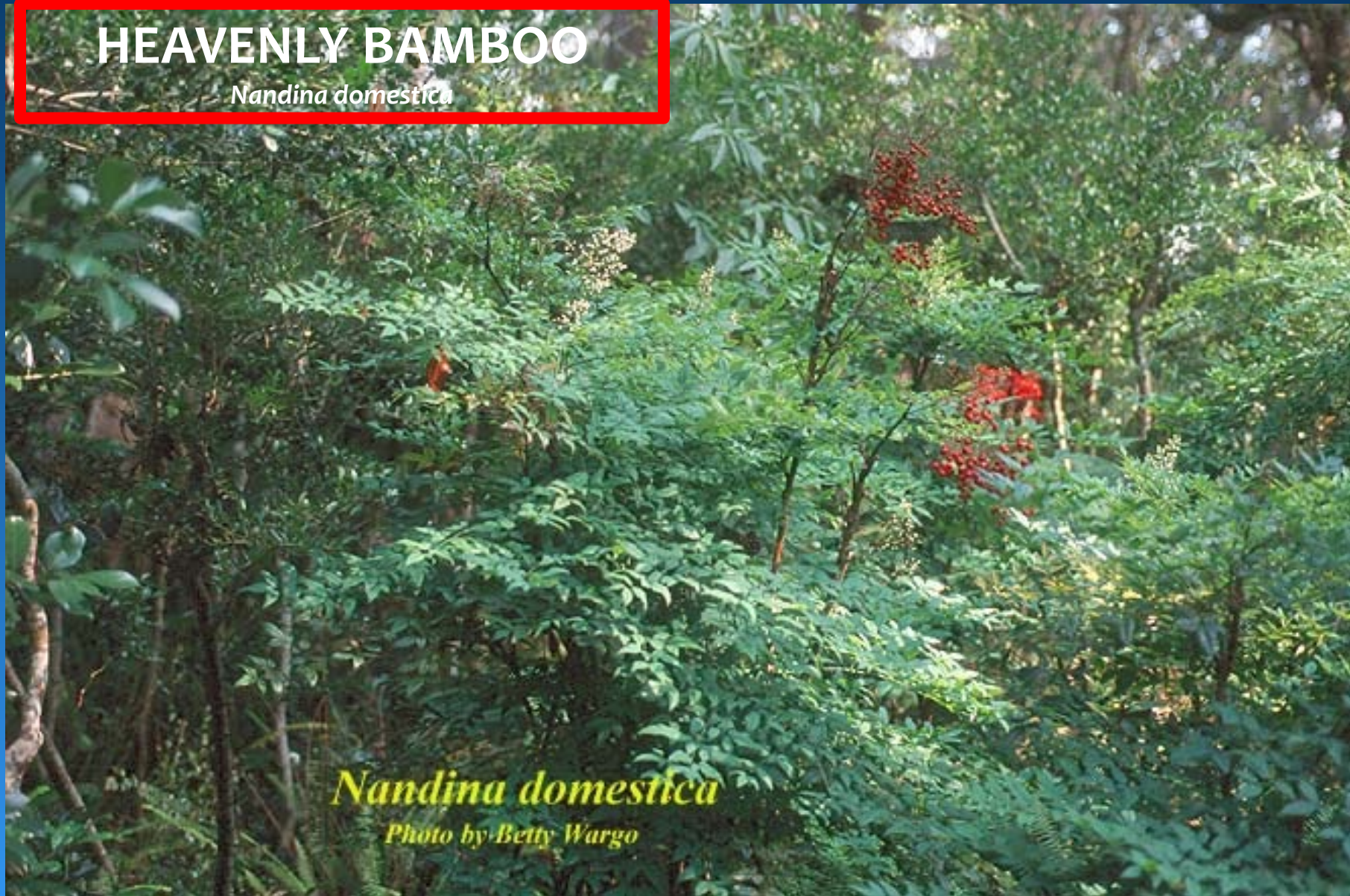
Aralia spinosa

HEAVENLY BAMBOO

Nandina domestica

Nandina domestica

Photo by Betty Wargo



SILVERTHORN

Elaeagnus pungens



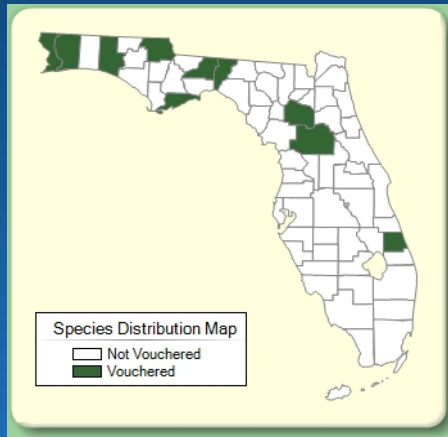
GUM BULLY

Sideroxylon lanuginosum



SILVERTHORN

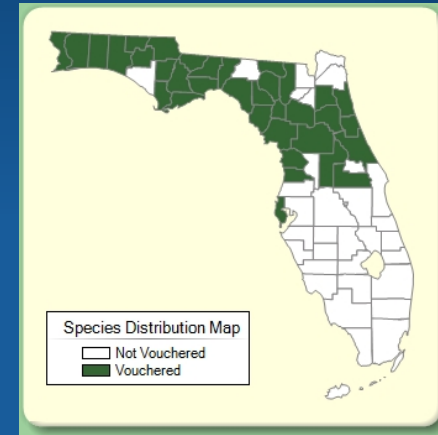
Elaeagnus pungens



- Twigs and underside of leaf with silvery and rusty scales
- Fruit a large berry covered with scales
- No milky sap

GUM BULLY

Sideroxylon lanuginosum



- Twigs and underside of leaf with soft hairs
- Fruit a black berry
- Milky sap

JAVA PLUM

Syzygium cumini



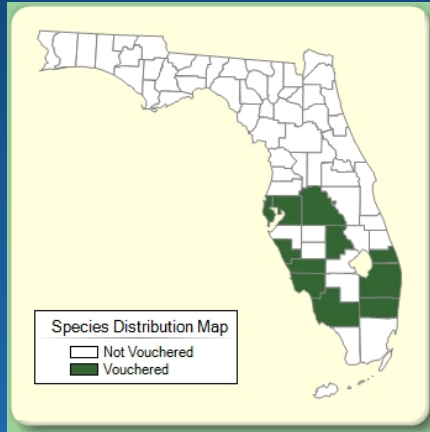
FALSE MASTIC

Sideroxylon foetidissimum



JAVA PLUM

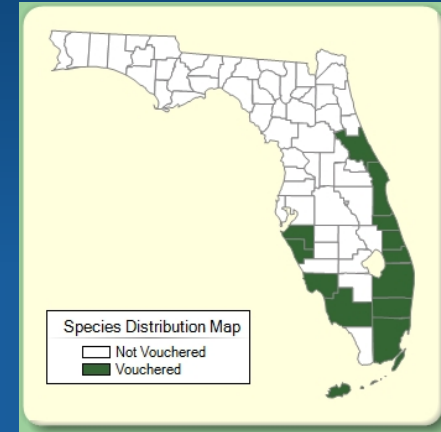
Syzygium cumini



- Black fruit
- Entire leaf margin
- Opposite leaves
- Lateral leaf veins quite faint

FALSE MASTIC

Sideroxylon foetidissimum



- Yellow fruit
- Wavy leaf margin
- Alternate leaves
- Lateral leaf veins more apparent

JAVA PLUM

Syzygium cumini



FALSE MASTIC

Sideroxylon foetidissimum



CARROTWOOD

Cupaniopsis anacardioides



PARADISE TREE

Simarouba glauca



CARROTWOOD

Cupaniopsis anacardioides



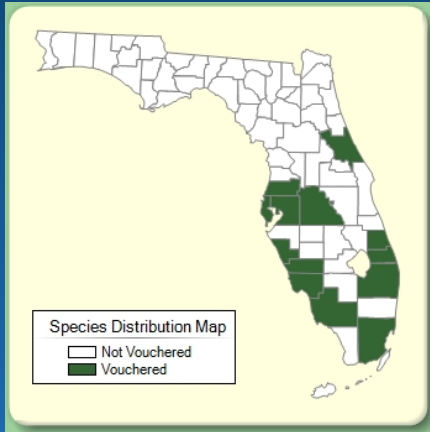
PARADISE TREE

Simarouba glauca



CARROTWOOD

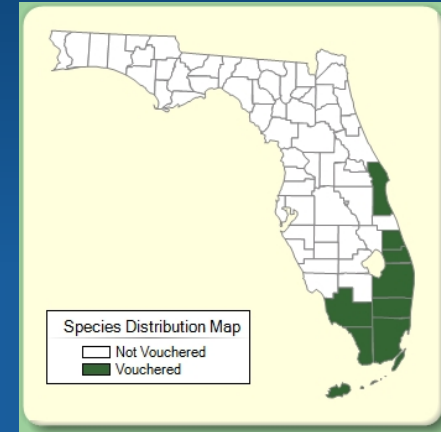
Cupaniopsis anacardioides



- Leaves with 4-12 leaflets
- Leaves green when young
- Leaves yellowish-green
- Inner bark orange
- Orange, 3-lobed fruit

PARADISE TREE

Simarouba glauca



- Leaves with 9-21 leaflets
- Leaves red-orange when young
- Leaves dark green
- Inner bark not orange
- Purplish/black fruit

CARROTWOOD

Cupaniopsis anacardioides

PARADISE TREE

Simarouba glauca



STRAWBERRY GUAVA

Psidium cattleianum



POSSUMHAW

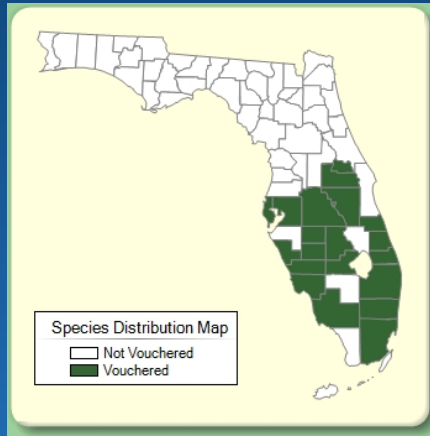
Viburnum nudum



COPYRIGHT J.R. MANHART

STRAWBERRY GUAVA

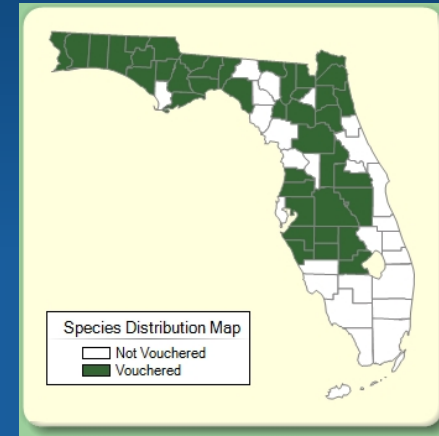
Psidium cattleianum



- Crushed leaves fragrant
- Flowers/fruits axillary
- Berries yellow or red
- Berries with persistent, fleshy sepals at apex

POSSUMHAW

Viburnum nudum



- Leaves not fragrant
- Flowers/fruits terminal
- Drupes purplish black
- Drupes without sepals at apex

STRAWBERRY GUAVA

Psidium cattleianum



Psidium cattleianum
Photo by Dennis Girard



WHITE STOPPER

Eugenia axillaris

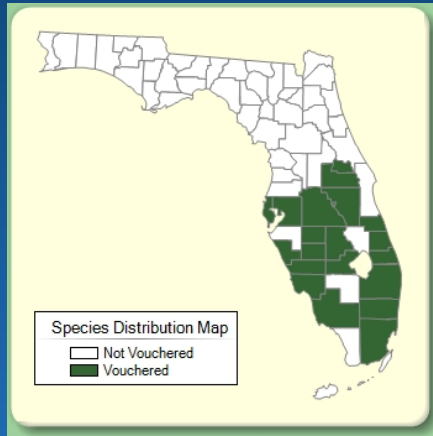


axillaris
Bradley



STRAWBERRY GUAVA

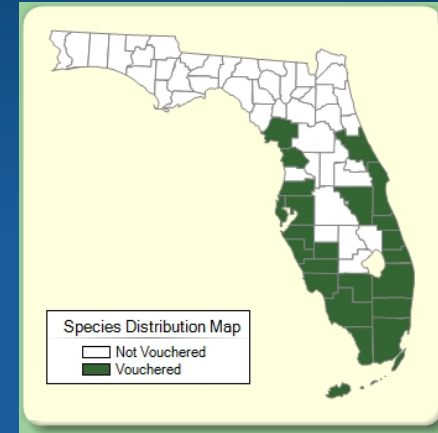
Psidium cattleianum



- Yellowish to red berry
- Pedicels 1-2 cm long, stout
- Leaves mostly obovate
- Short acuminate leaf apex

WHITE STOPPER

Eugenia axillaris



- Black berry
- Pedicels <0.5 cm long
- Leaves ovate to elliptic
- Acute leaf apex

SURINAM CHERRY

Eugenia uniflora

Eugenia uniflora
Photo by Dennis Girard



WHITE STOPPER

Eugenia axillaris

Eugenia axillaris
Photo and © by Roger Hammer
Wildflowers of the Everglades



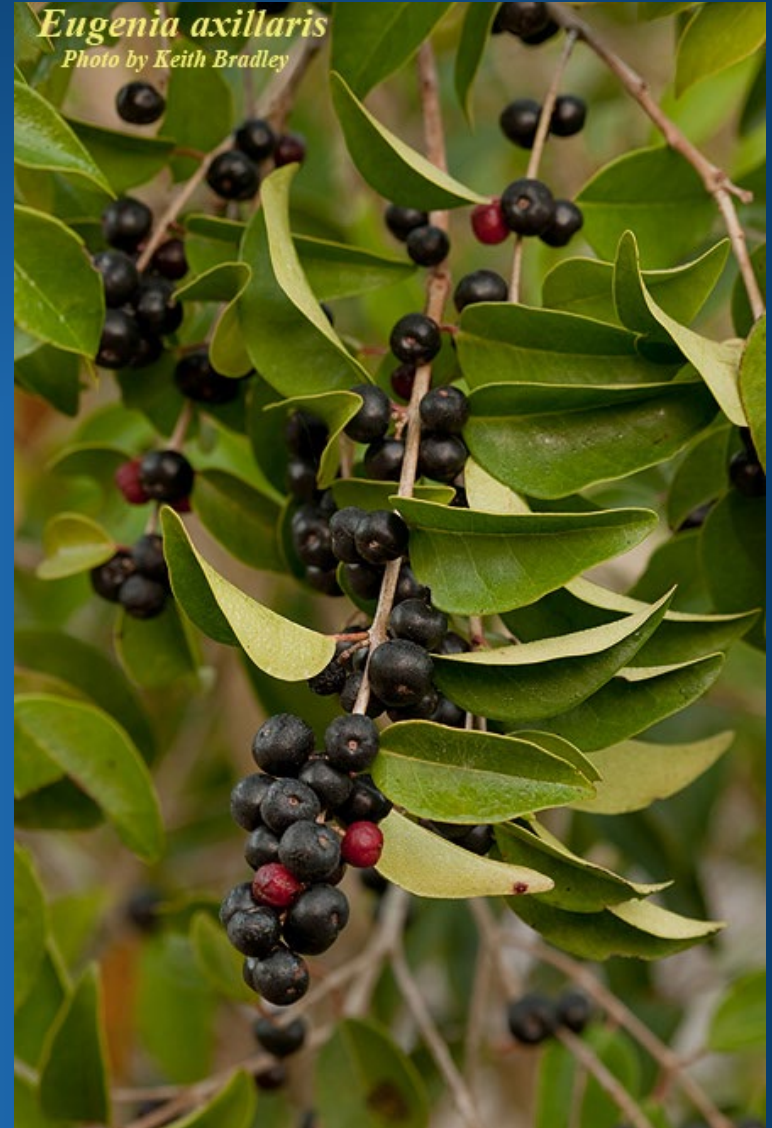
SURINAM CHERRY

Eugenia uniflora



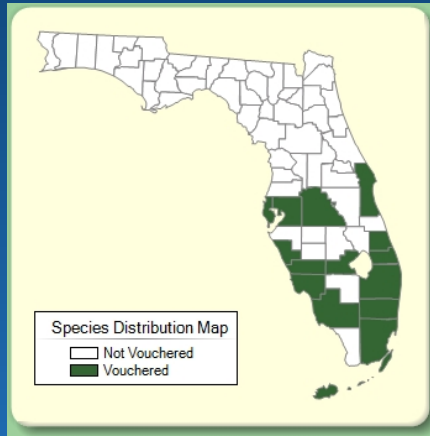
WHITE STOPPER

Eugenia axillaris



SURINAM CHERRY

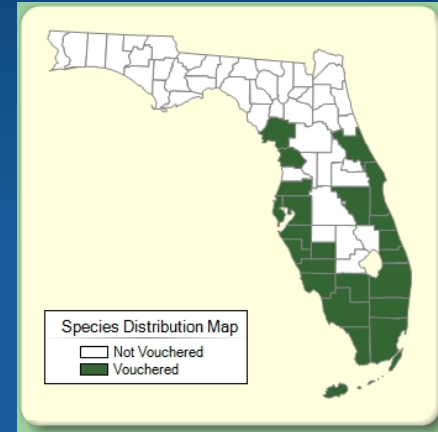
Eugenia uniflora



- Large, red 'ribbed' berry
- Pedicels >0.5 cm long
- Petiole very short (2-5 mm)

WHITE STOPPER

Eugenia axillaris



- Small, black berry
- Pedicels <0.5 cm long
- Petiole longer and reddish

GUAVA

Psidium guajava



Psidium guajava
Photo by Asit K. Ghosh



POND APPLE

Annona glabra



Annona glabra
Photo by Gil Nelson



Annona glabra
Photo and © by Roger Hammer
Wildflowers of the Everglades

GUAVA

Psidium guajava



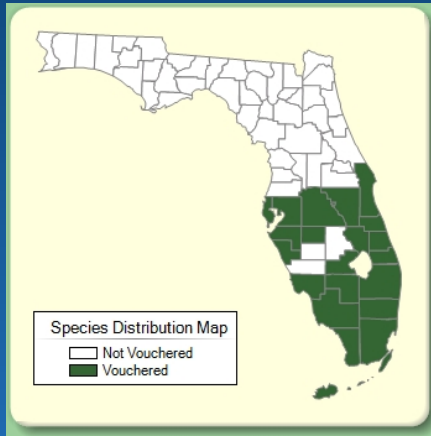
POND APPLE

Annona glabra



GUAVA

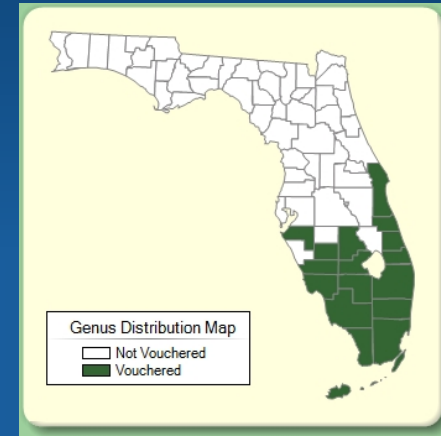
Psidium guajava



- Opposite leaves
- Leaf veins prominent
- Fruit with persistent, fleshy sepals at the apex

POND APPLE

Annona glabra



- Alternate leaves
- Leaf veins obscure
- Fruit without persistent sepals

CAMPHOR TREE

Cinnamomum camphora



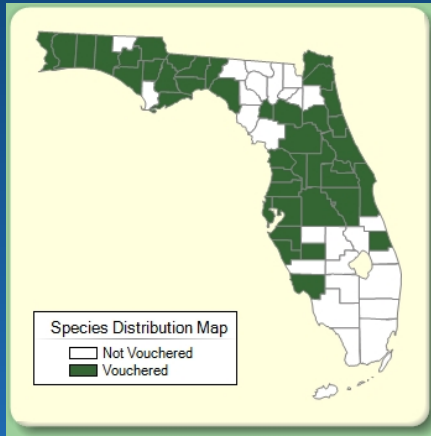
SWAMP BAY

Persea palustris



CAMPHOR TREE

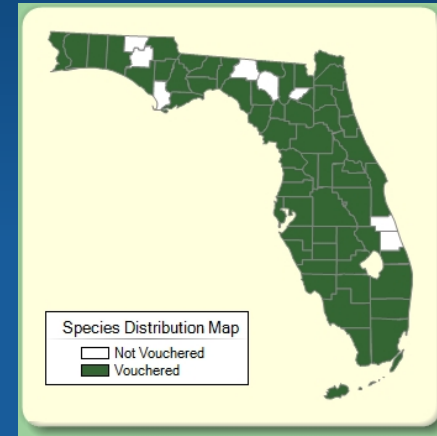
Cinnamomum camphora



- Crushed leaves have a strong camphor smell
- Glaucous leaf underside
- Three veins at leaf base
- Fruit with a cupule

SWAMP BAY

Persea palustris



- Crushed leaves have a bay leaf smell
- Pubescent leaf underside
- One vein at leaf base
- Fruit lacking a cupule

LAUREL FIG

Ficus microcarpa



Ficus microcarpa
Photo by Keith Bradley



STRANGLER FIG

Ficus aurea



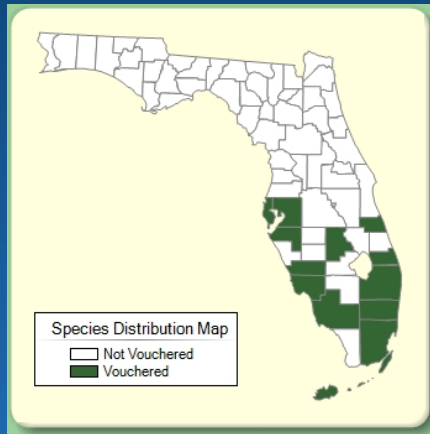
Ficus aurea
Photo by Rob Curtis/The Early Birder



Ficus aurea
Photo by Walter Hodge
USF Herbarium Slide Collection

LAUREL FIG

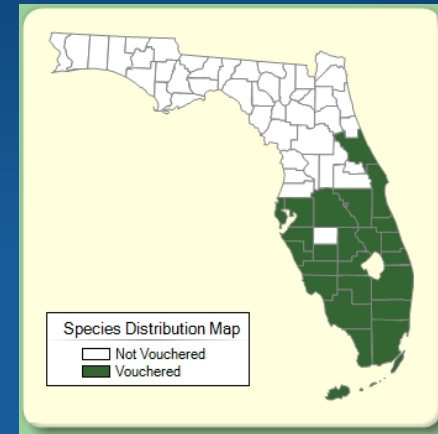
Ficus microcarpa



- Smaller leaves (4-6 cm long)
- Veins obscure
- Lowest pair of veins at a sharper angle than rest
- Figs ca. 1 cm long

STRANGLER FIG

Ficus aurea



- Larger leaves (6-12 cm long)
- Veins yellowish
- Lowest pair of veins not different
- Figs ca. 2 cm long

LAUREL FIG

Ficus microcarpa



STRANGLER FIG

Ficus aurea



LEAD TREE

Leucaena leucocephala



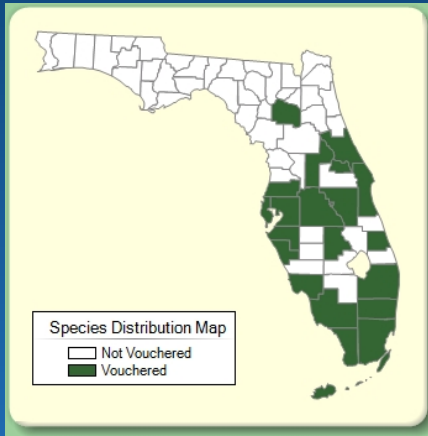
WILD TAMARIND

Lysiloma latisiliquum



LEAD TREE

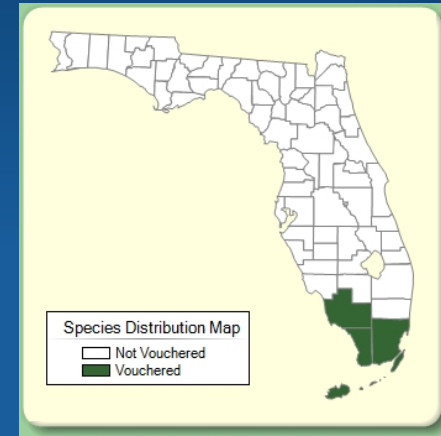
Leucaena leucocephala



- Leaflet very asymmetrical
- Legume narrower
- 10 stamens/flower
- Stipules inconspicuous

WILD TAMARIND

Lysiloma latisiliquum



- Leaflet slightly asymmetrical
- Legume wider
- >10 stamens/flower
- Stipules conspicuous, large on new growth

LEAD TREE

Leucaena leucocephala



WILD TAMARIND

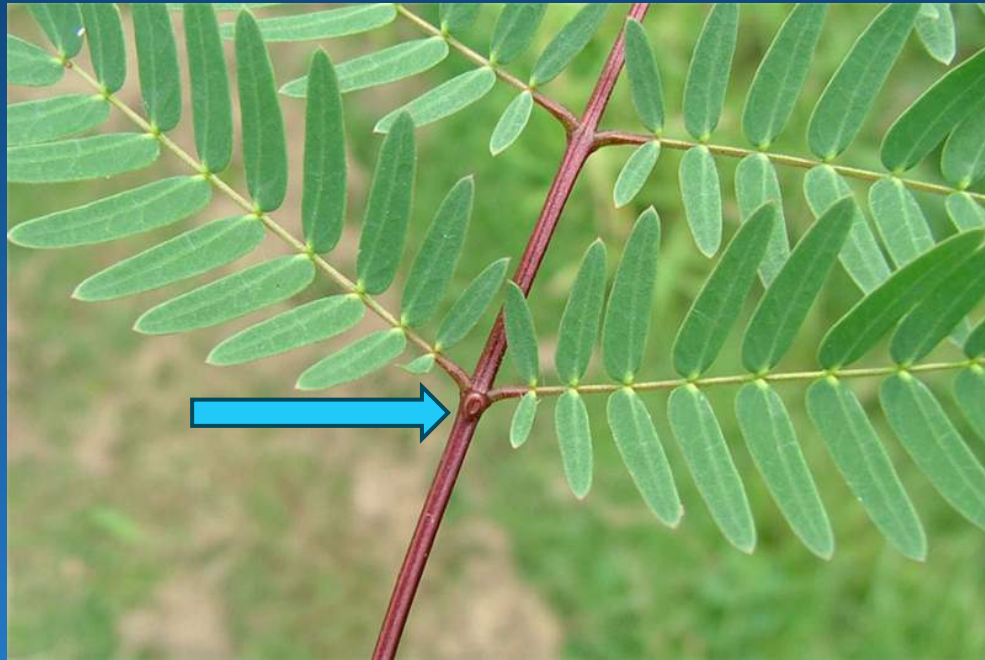
Lysiloma latisiliquum



Bobby Hattaway / www.discoverlife.org

LEAD TREE

Leucaena leucocephala



- Gland at top of petiole (under first leaflets) on lead tree; stipules at base of new leaves on wild tamarind

WILD TAMARIND

Lysiloma latisiliquum



BRAZILIAN PEPPER

*Schinus terebinthifolia**



DAHOON

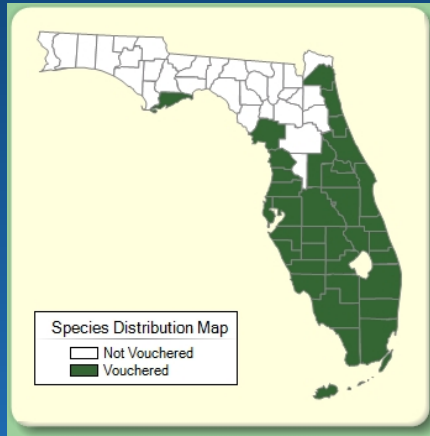
Ilex cassine



- Recent name change to match latin gender of *Schinus*
 - ... *folius* to ... *folia*

BRAZILIAN PEPPER

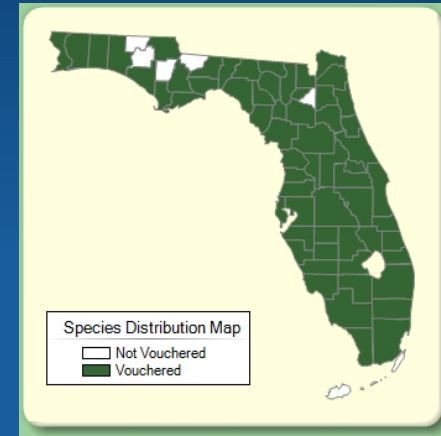
Schinus terebinthifolia



- Compound leaf
- Crushed leaves have a pungent odor
- Drupes with a single seed
- Drupe without a black dot on top

DAHOON

Ilex cassine



- Simple leaf
- Crushed leaves are odorless
- Drupes with four seeds
- Fruit with a black dot on top (persistent stigma)

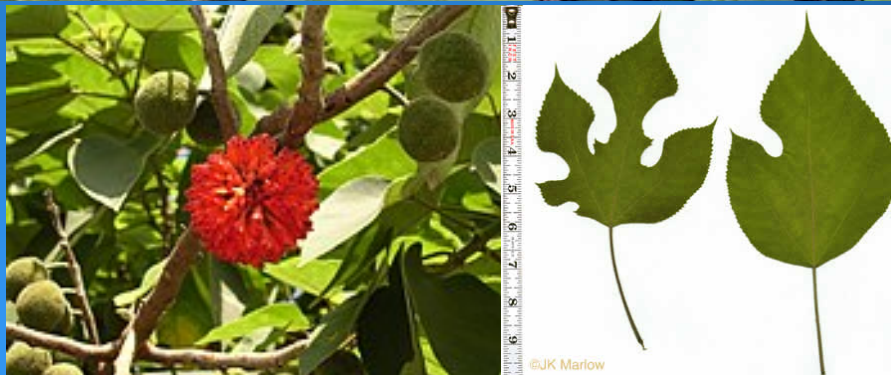
PAPER MULBERRY

Broussonetia papyrifera



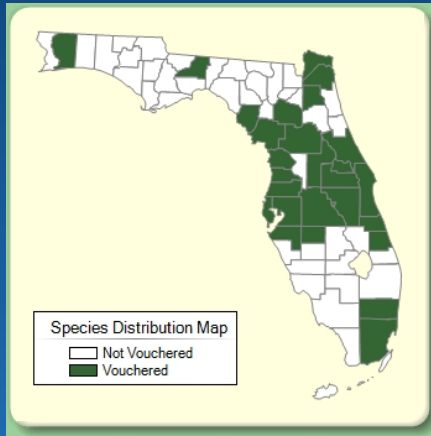
RED MULBERRY

Morus rubra



PAPER MULBERRY

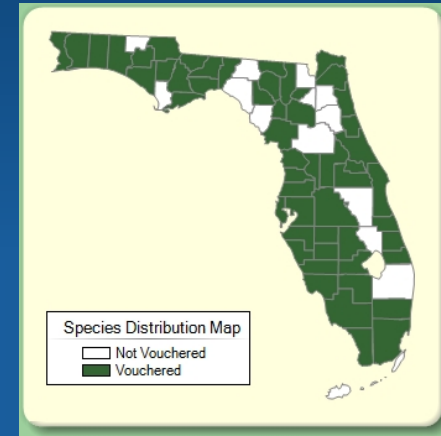
Broussonetia papyrifera



- Clonal, thicket forming
- Small twigs pubescent
- Petioles often longer, up to the length of the leaf
- Leaves usually dull green

RED MULBERRY

Morus rubra



- Solitary
- Small twigs glabrous, or with only a few hairs
- Petioles 2 to 2.5 cm long
- Leaves usually mid-green

SISAL HEMP

Agave sisalana

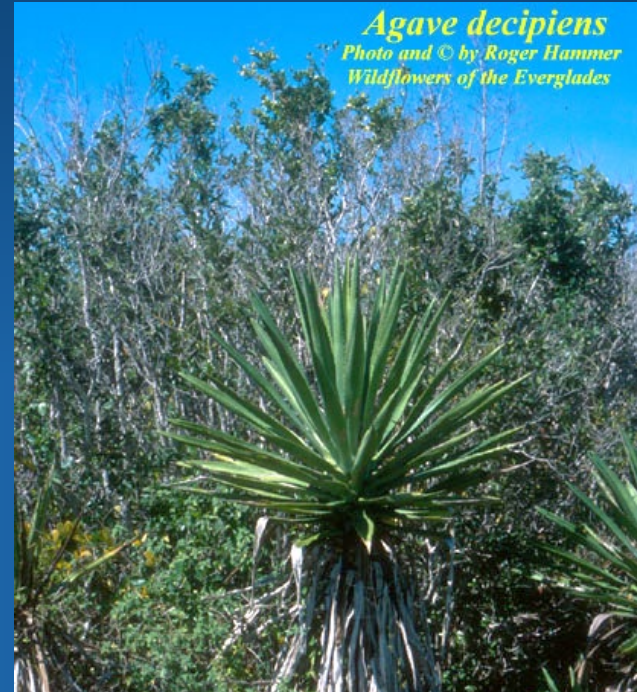


1581012



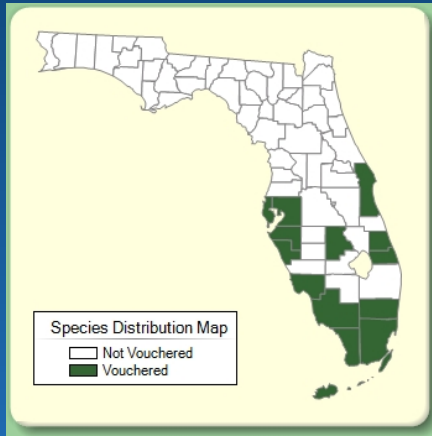
FALSE SISAL

Agave decipiens



SISAL HEMP

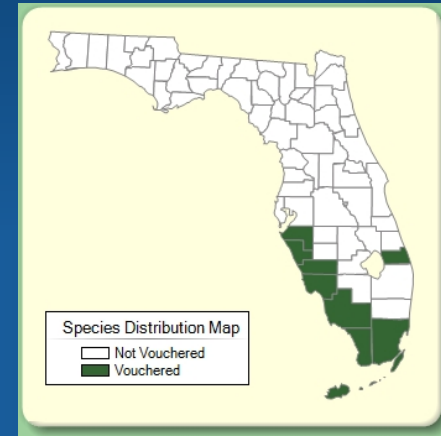
Agave sisalana



- Leaves entire
- Leaves larger
 - 90-130 cm long
 - 9-12 cm wide
- Upper leaf surface flat

FALSE SISAL

Agave decipiens



- Leaves w/ recurved teeth
- Leaves smaller
 - 70-100 cm long
 - 7-10 cm wide
- Upper leaf surface concave

RATTLEBOX

Sesbania punicea



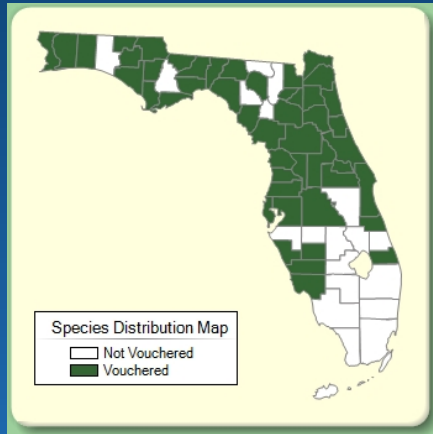
BLADDERPOD

Sesbania vesicaria



RATTLEBOX

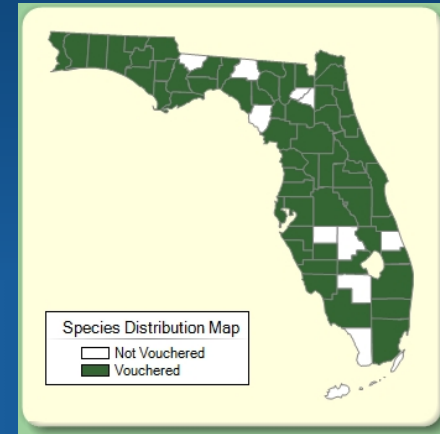
Sesbania punicea



- Plants woody
- Flowers yellowish in center, but without distinctive eye
- Fruit 4-angled

BLADDERPOD

Sesbania vesicaria



- Plants mainly herbaceous
- Flowers yellow to tri-colored with a distinctive yellow eye
- Fruit flattened (2-angled)

RATTLEBOX

Sesbania punicea



BLADDERPOD

Sesbania vesicaria



FERNS

SWORD FERN

Nephrolepis cordifolia

Nephrolepis cordifolia
Photo by Dennis Girard

WILD BOSTON FERN

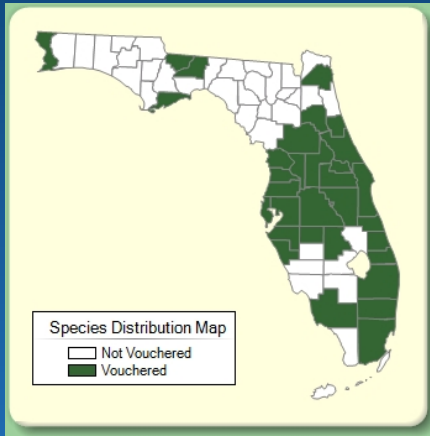
Nephrolepis exaltata

Nephrolepis exaltata
Photo by Keith Bradley



SWORD FERN

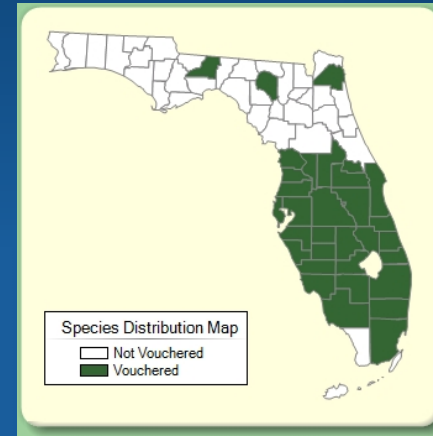
Nephrolepis cordifolia



- Roots with tubers
- Scales on rachis two colors
- Pinnae (leaflets) blunt-tipped

WILD BOSTON FERN

Nephrolepis exaltata



- Roots lacking tubers
- Scales on rachis one color
- Pinnae more pointed at apex

SWORD FERN

Nephrolepis cordifolia

WILD BOSTON FERN

Nephrolepis exaltata



SWORD FERN

Nephrolepis cordifolia



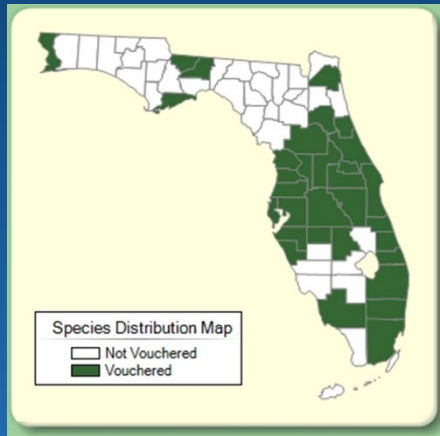
PLUME POLYPODY

Pecluma plumula



SWORD FERN

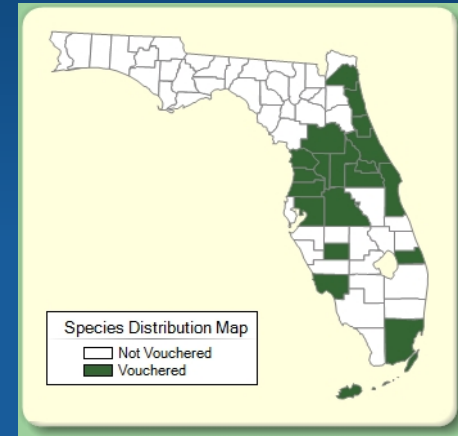
Nephrolepis cordifolia



- Rarely epiphytic
- Pinnae serrate
- Kidney-shaped indusium

PLUME POLYPODY

Pecluma plumula



- Usually epiphytic
- Pinnae entire
- No indusium

SWORD FERN

Nephrolepis cordifolia



PLUME POLYPODY

Pecluma plumula



HERBS
and
GRASSES

PRAXELIS

Praxelis clematidea



Praxelis clematidea
Photo by Alan Franck



BLUE MISTFLOWER

Conoclinium coelestinum

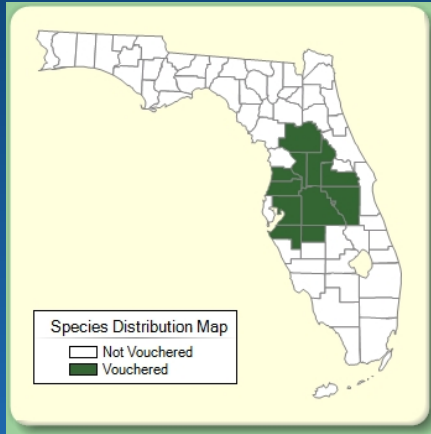


Conoclinium coelestinum
Photo by Mary Keim



PRAXELIS

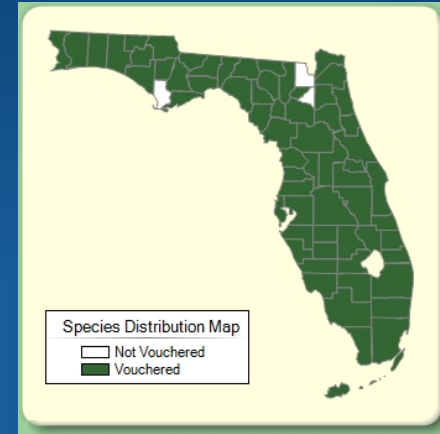
Praxelis clematidea



- Crushed leaves have a pungent odor of cat urine
- Phyllaries deciduous (absent in fruit)
- Flower heads more than 0.5 cm long

BLUE MISTFLOWER

Conoclinium coelestinum



- Crushed leaves may be fragrant, but not of cat urine
- Phyllaries persistent (present in fruit)
- Flower heads less than 0.5 cm long

PERUVIAN PRIMROSEWILLOW

Ludwigia peruviana



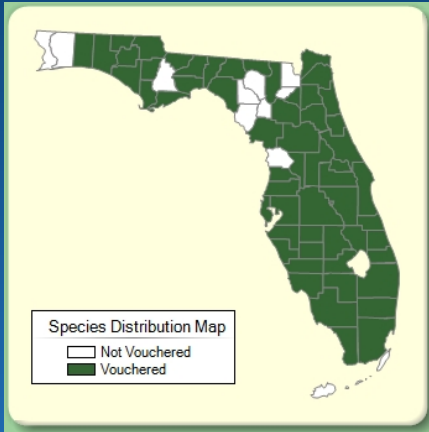
ANGLESTEM PRIMROSEWILLOW

Ludwigia leptocarpa



PERUVIAN PRIMROSEWILLOW

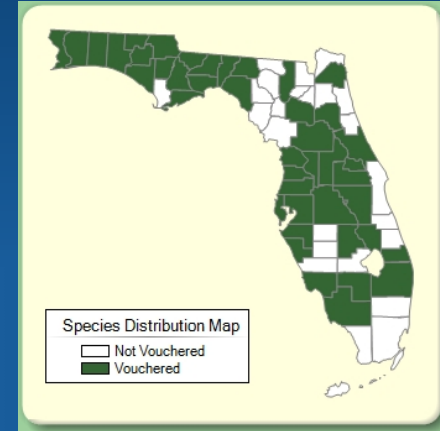
Ludwigia peruviana



- Overall larger plant/shrub
- Larger flower
- Usually 4 petals
- Fruits square, broad, to 3 cm long

ANGLESTEM PRIMROSEWILLOW

Ludwigia leptocarpa



- Smaller plant/herb
- Smaller flower
- Usually 5 petals
- Fruits narrowly cylindrical, to 5 cm long

PERUVIAN PRIMROSEWILLOW

Ludwigia peruviana



ANGLESTEM PRIMROSEWILLOW

Ludwigia leptocarpa



COGON GRASS

Imperata cylindrica



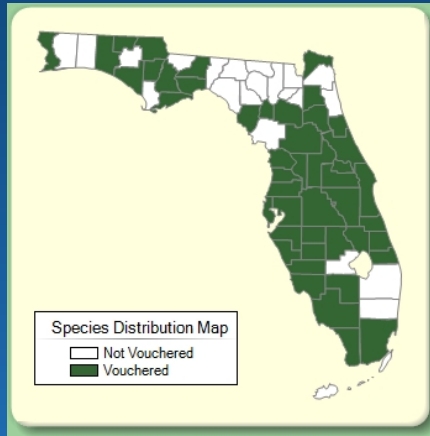
BROOMSEDGE BLUESTEM

Andropogon virginicus



COGON GRASS

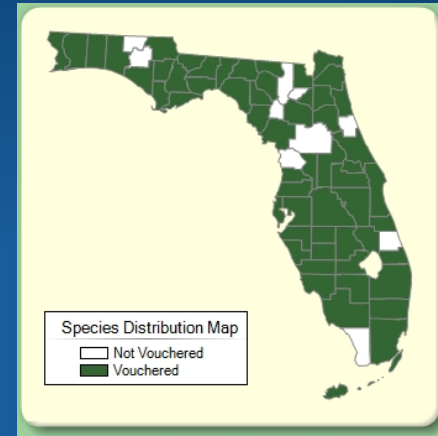
Imperata cylindrica



- Rhizomatous
- Midvein of leaf white and often offset

BROOMSEDGE BLUESTEM

Andropogon virginicus



- Clumping
- Midvein of leaf usually centered

COGON GRASS

Imperata cylindrica



BROOMSEDGE BLUESTEM

Andropogon virginicus



COGON GRASS

Imperata cylindrica



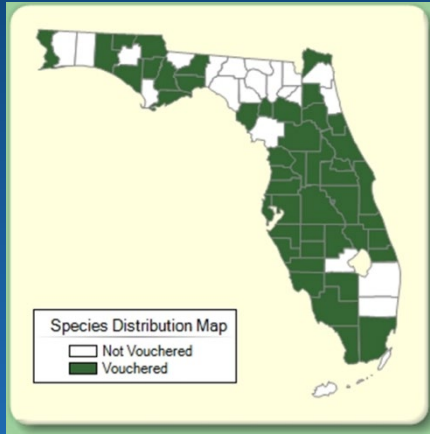
YELLOW INDIANGRASS

Sorghastrum nutans



COGON GRASS

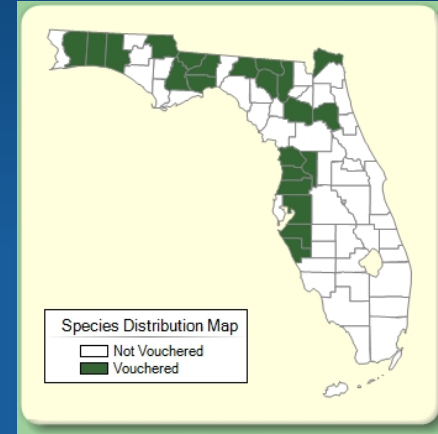
Imperata cylindrica



- Midvein of leaf white and often offset
- Ligule short (0.2-3.5 mm)
- Large fuzzy panicle of flowers, silvery white and cylindrical

YELLOW INDIANGRASS

Sorghastrum nutans



- Midvein of leaf usually centered
- Ligule long (2-6 mm)
- Plume-like panicle of flowers, bronze yellow

COGON GRASS

Imperata cylindrica



UGA1380059



UGA2132087

YELLOW INDIANGRASS

Sorghastrum nutans



TORPEDO GRASS

Panicum repens



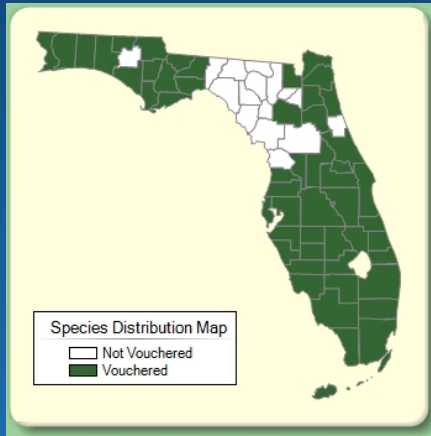
MAIDENCANE

Panicum hemitomon



TORPEDO GRASS

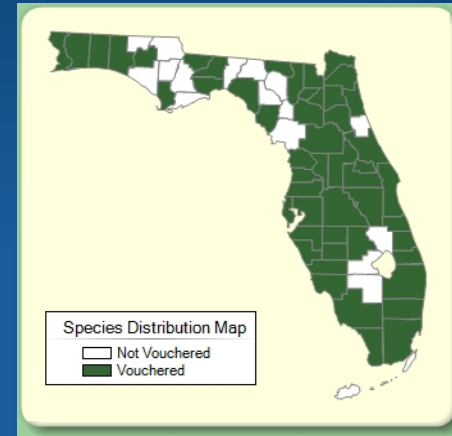
Panicum repens



- Plants shorter (20-90 cm tall), leaves narrower
- Rhizomes sharp-pointed
- Inflorescence broader

MAIDENCANE

Panicum hemitomon



- Plants taller (50-200 cm tall), leaves broader
- Rhizomes not sharp
- Inflorescence narrow (to 1 cm wide)

WEST INDIAN MARSH GRASS

Hymenachne amplexicaulis



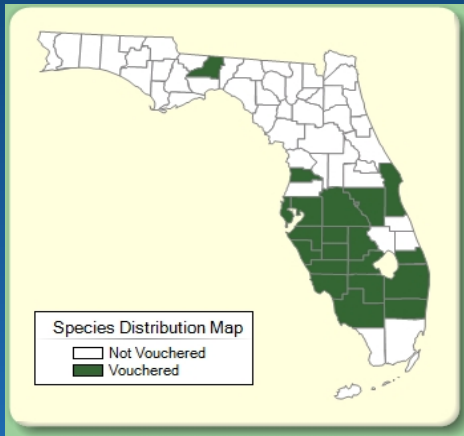
MAIDENCANE

Panicum hemitomon



WEST INDIAN MARSH GRASS

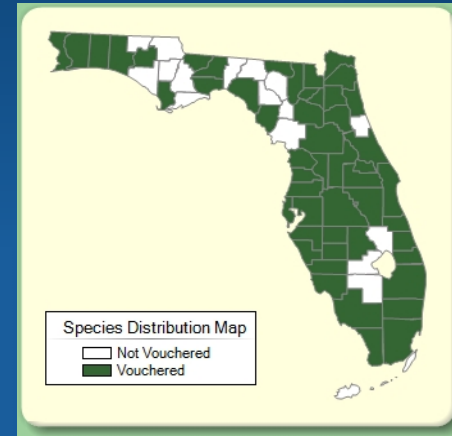
Hymenachne amplexicaulis



- Ligules 1-2.5 mm long
- Internodes with solid white pith
- Base of leaf blade clasping

MAIDENCANE

Panicum hemitomon



- Ligules <1 mm long
- Internodes without solid white pith
- Base of leaf cordate

WEST INDIAN MARSH GRASS

Hymenachne amplexicaulis

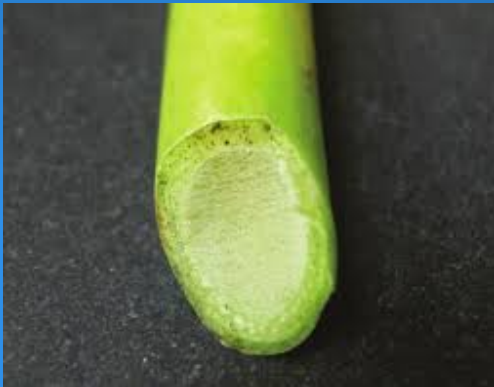
Hymenachne amplexicaulis

Photo by William Overholt



MAIDENCANE

Panicum hemitomon



WEST INDIAN MARSH GRASS

Hymenachne amplexicaulis



Hymenachne amplexicaulis
Photo by Wilbur Olscholtz

AMERICAN CUPSCALE

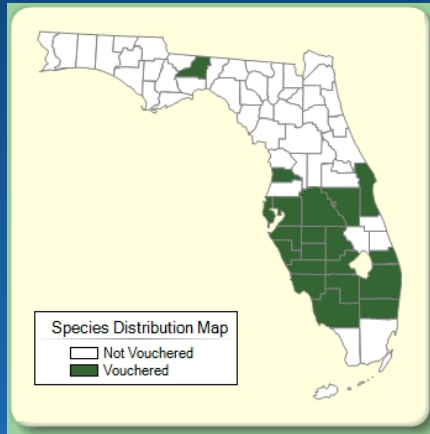
Sacciolepis striata



American cupscale-grass
Sacciolepis striata
Photo by A. Murray
Copyright 2001 Univ. Florida

WEST INDIAN MARSH GRASS

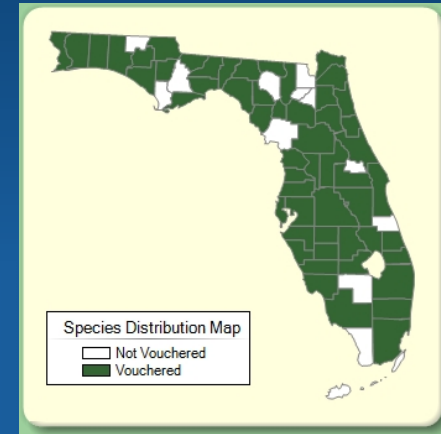
Hymenachne amplexicaulis



- Ligules 1-2.5 mm long
- Internodes with solid white pith
- Base of leaf blade clasping

AMERICAN CUPSCALE

Sacciolepis striata



- Ligules <1 mm long
- Internodes without solid white pith
- Base of leaf cordate

BURMA REED

Neyraudia reynaudiana



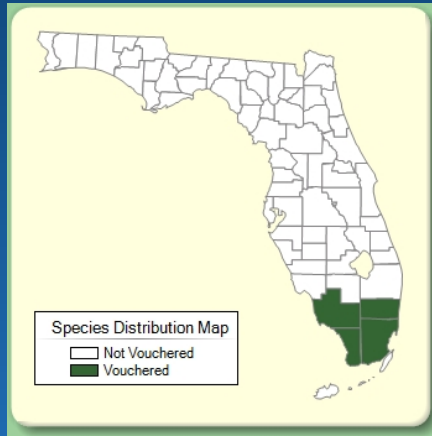
COMMON REED

Phragmites australis



BURMA REED

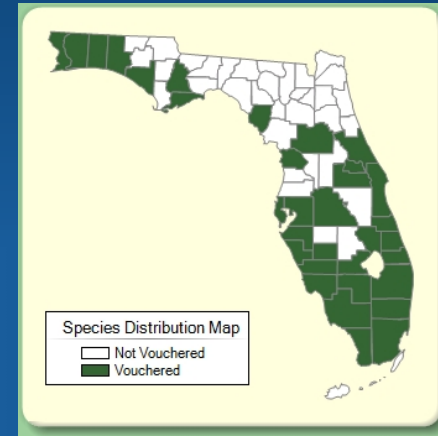
Neyraudia reynaudiana



- Ligules on both sides of leaf
- Glabrous internodes

COMMON REED

Phragmites australis



- Ligule only on inside of leaf
- Pubescent internodes

NAPIER GRASS

Pennisetum purpureum



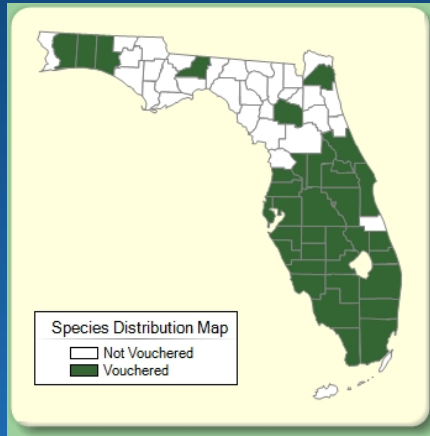
COMMON REED

Phragmites australis



NAPIER GRASS

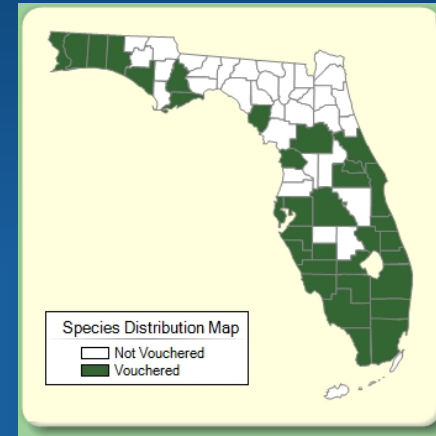
Pennisetum purpureum



- Ligules 1.5 to 5 mm long
- Inflorescence a dense terminal panicle

COMMON REED

Phragmites australis



- Ligules about 1 mm long
- Inflorescence a bushy panicle

NAPIER GRASS

Pennisetum purpureum



COMMON REED

Phragmites australis





Ligule on Napier grass

GOLDEN BAMBOO

Phyllostachys aurea



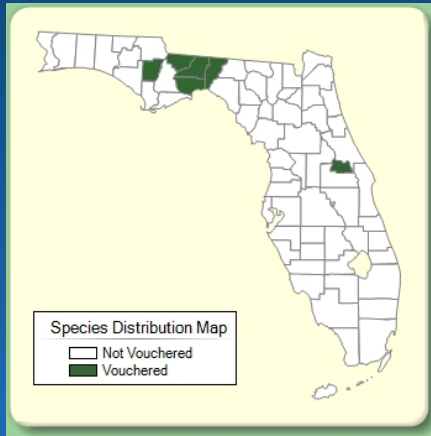
SWITCHCANE

Arundinaria gigantea



GOLDEN BAMBOO

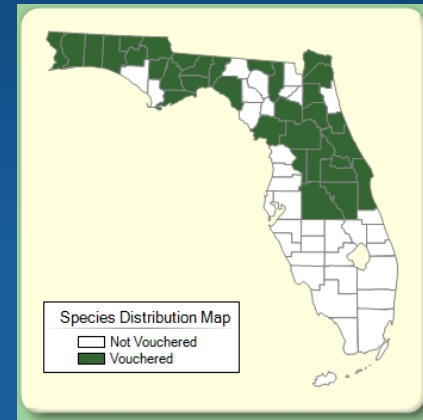
Phyllostachys aurea



- Stem flattened or grooved on one side just above the node
- Swollen band just below node

SWITCHCANE

Arundinaria gigantea



- Stem round
- Node may be swollen, but lacking a swollen band just below the node

TROPICAL NUTRUSH

Scleria microcarpa

Scleria microcarpa

Photo by Alexandra Onisko



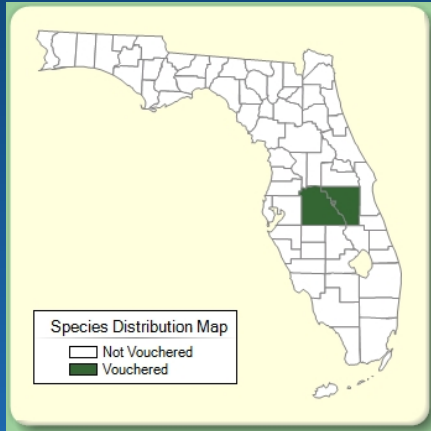
TALL NUTGRASS

Scleria triglomerata



TROPICAL NUTRUSH

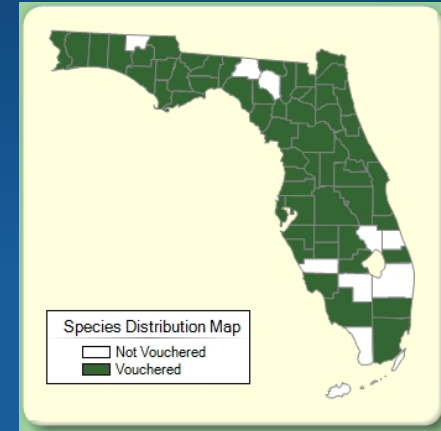
Scleria nicrocarpa



- Leaf sheath strongly winged
- Achenes in multiple lax racemes
- Achenes with a large “cupula” at base

TALL NUTGRASS

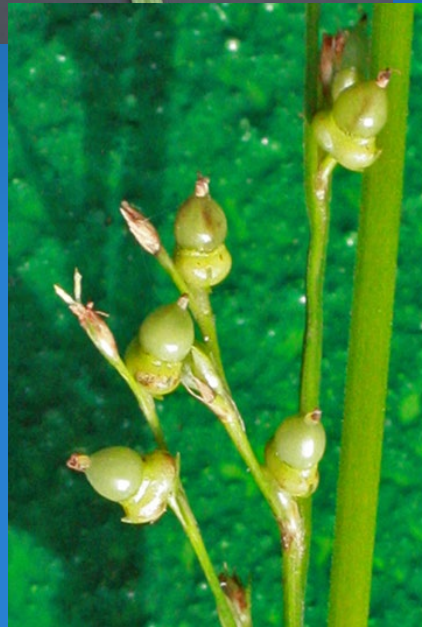
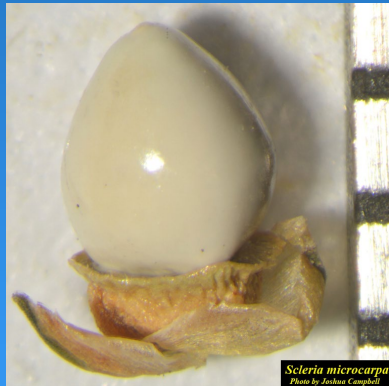
Scleria triglomerata



- Stem sharply angled, but leaf sheath not winged
- Achenes in 1 to several clusters
- Achenes with 3-lobed disk at base and subtended by bracts, but no “cupula”

TROPICAL NUTRUSH

Scleria microcarpa

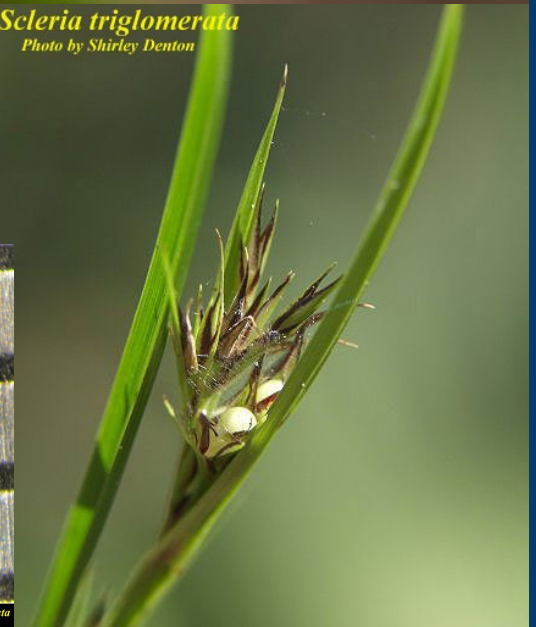
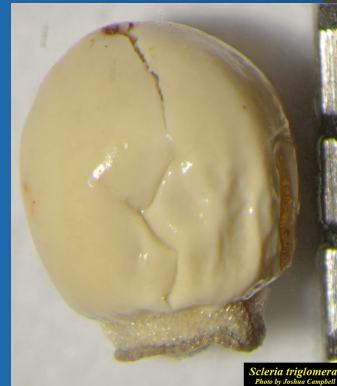


TALL NUTGRASS

Scleria triglomerata



Scleria triglomerata
Photo by Shirley Denton



VINES

CHINESE WISTERIA

Wisteria sinensis



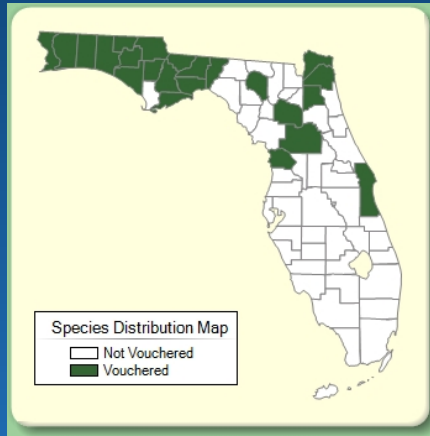
AMERICAN WISTERIA

Wisteria frutescens



CHINESE WISTERIA

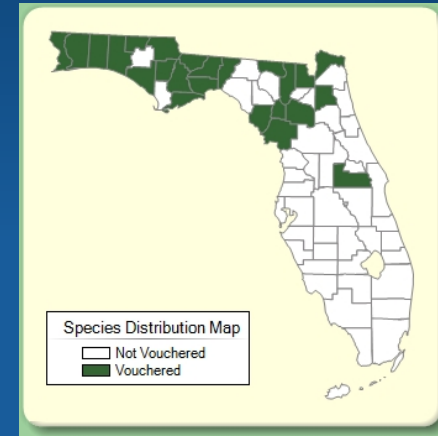
Wisteria sinensis



- Leaves longer (to 40 cm)
- Flowers just before or as leaves are emerging
- Inflorescence longer (up to 40 cm long)

AMERICAN WISTERIA

Wisteria frutescens



- Leaves shorter (to 30 cm)
- Flowers after leaves have appeared
- Inflorescence shorter (up to 25 cm long)

CHINESE WISTERIA

Wisteria sinensis



AMERICAN WISTERIA

Wisteria frutescens

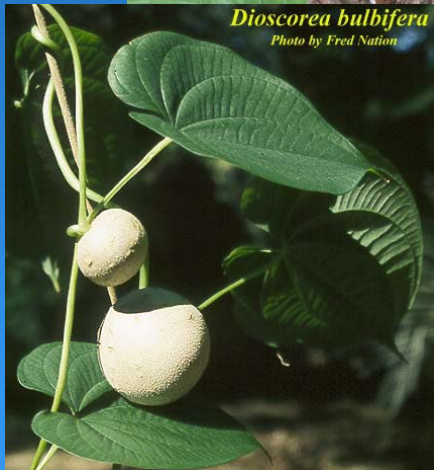


AIR-POTATO

Dioscorea bulbifera



Dioscorea bulbifera
Photo by Fred Nation



FLORIDA YAM

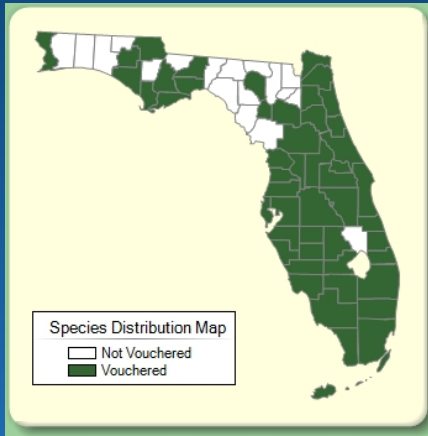
Dioscorea floridana



Dioscorea floridana
Photo by Shirley Denton

AIR-POTATO

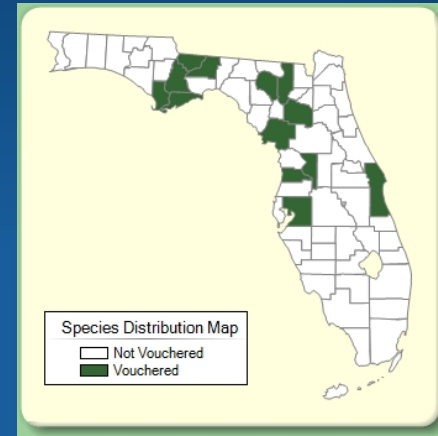
Dioscorea bulbifera



- Stems have aerial tubers
- Leaves larger
- Secondary veins often prominent

FLORIDA YAM

Dioscorea floridana



- Stems lacking tubers
- Leaves smaller
- Secondary veins less prominent

JAPANESE HONEYSUCKLE

Lonicera japonica



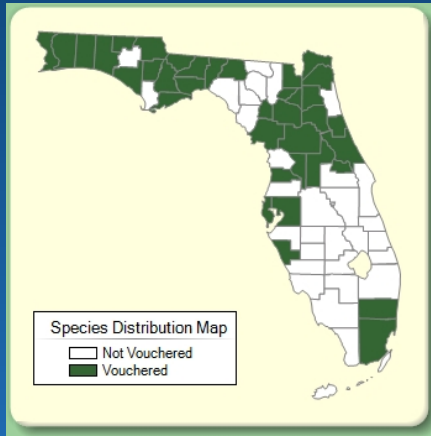
TRUMPET HONEYSUCKLE

Lonicera sempervirens



JAPANESE HONEYSUCKLE

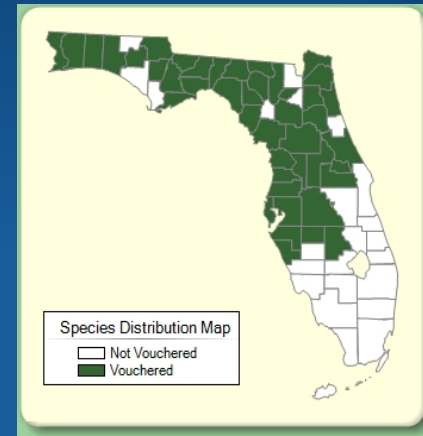
Lonicera japonica



- Leaves pubescent or glabrous, but not glaucous
- Leaf apex acute to slightly acuminate
- Flowers white to creamy yellow

TRUMPET HONEYSUCKLE

Lonicera sempervirens



- Leaves with a glaucous underside
- Leaf apex rounded
- Flowers red

JAPANESE HONEYSUCKLE

Lonicera japonica



TRUMPET HONEYSUCKLE

Lonicera sempervirens



BEACH VITEX

Vitex rotundifolia



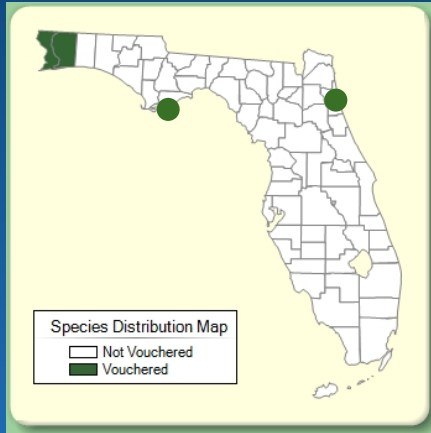
RAILROAD VINE

Ipomoea pes-caprae ssp. *brasiliensis*



BEACH VITEX

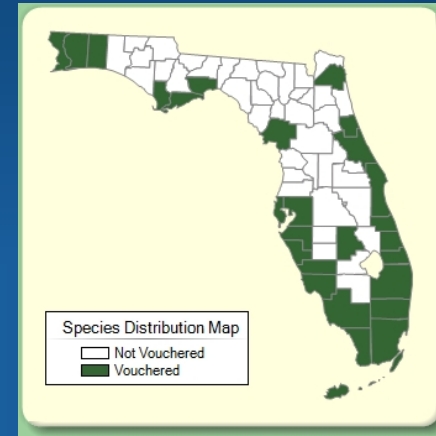
Vitex rotundifolia



- Opposite leaves
- Woody growth
- Panicles of smaller blue flowers

RAILROAD VINE

Ipomoea pes-caprae ssp. *brasiliensis*



- Alternate leaves
- Herbaceous
- Solitary, “morning glory” flowers

BEACH VITEX

Vitex rotundifolia



RAILROAD VINE

Ipomoea pes-caprae ssp. *brasiliensis*





THANK YOU!!

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Dexter Sowell dsowell@fnai.fsu.edu

