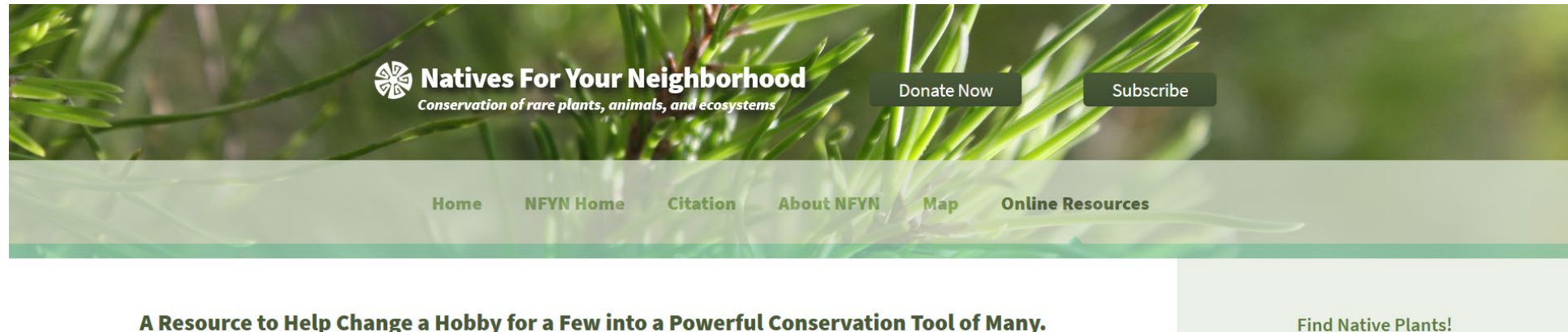


# Natives For Your Neighborhood



**A Resource to Help Change a Hobby for a Few into a Powerful Conservation Tool of Many.**

[Find Native Plants!](#)

George D. Gann

Chief Conservation Strategist, The Institute for Regional Conservation  
International Policy Lead, Society for Ecological Restoration

May 5, 2020



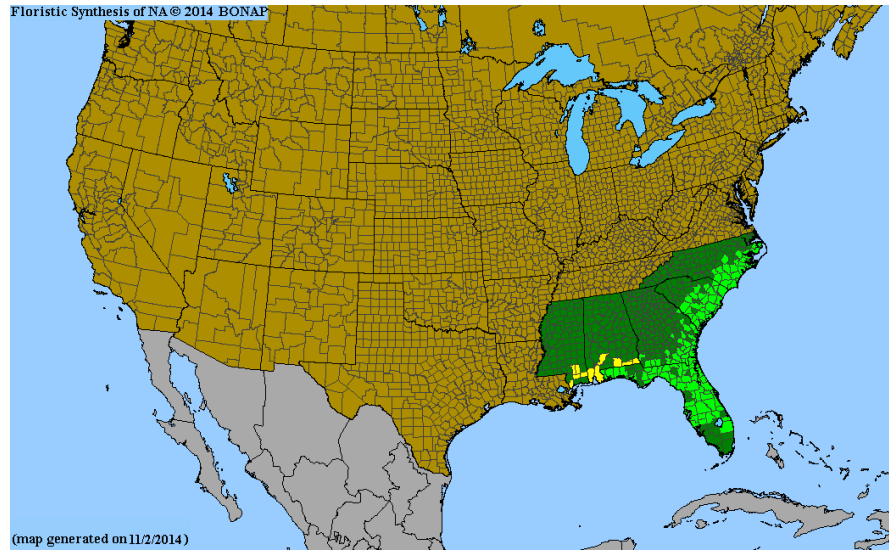
## Acknowledgements

- **Cara Abbott**, for moderating and setting up!
- **All the IRC folks**, past and present, and all our **conservation partners**.
- **Photographers**, including Roger Hammer, Keith Bradley, Shirley Denton, James Johnson, and many others.
- **NFYN Sponsors**, past and present.

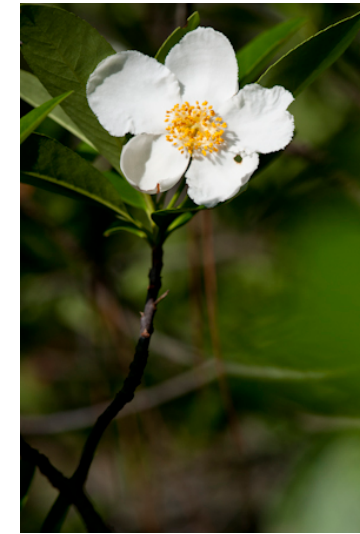


Why Natives For Your Neighborhood?

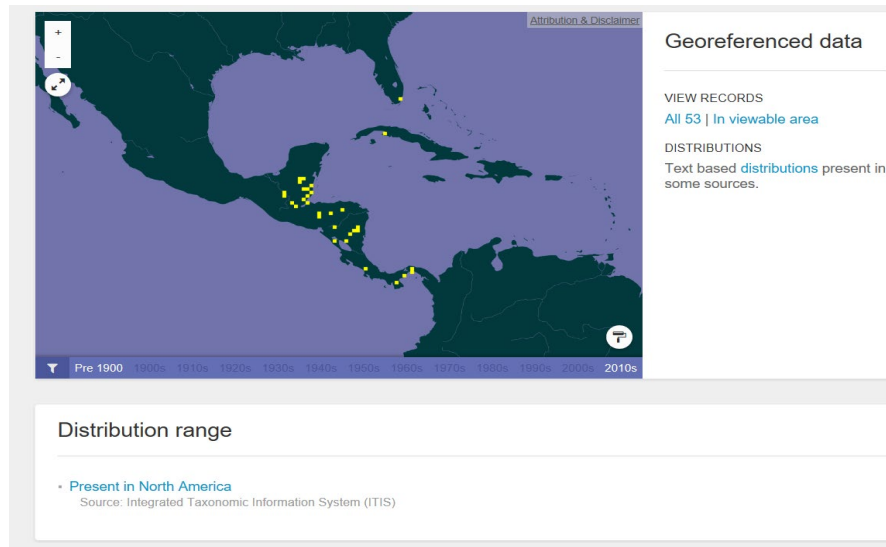
# South & North Range Limits in Florida



*Gordonia lasianthus* (BONAP.org)



K. Bradley

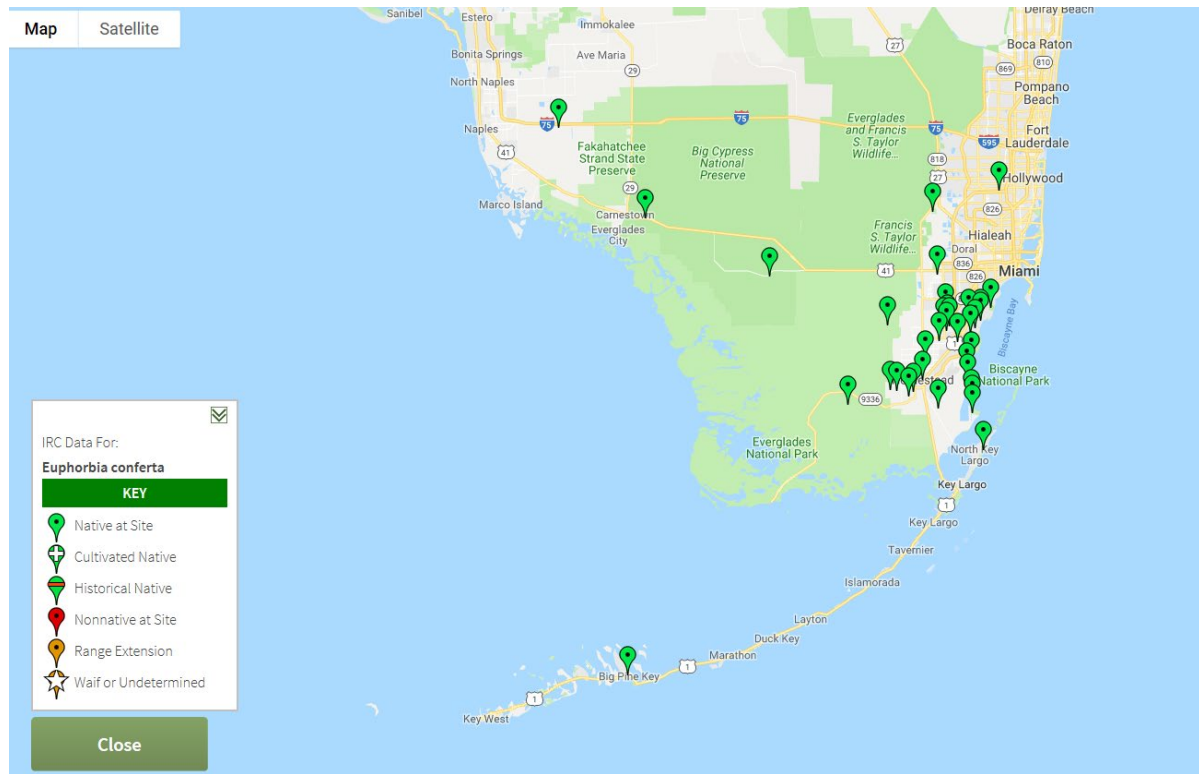


*Oncidium ensatum* (GBIF.org)



C. McCartney

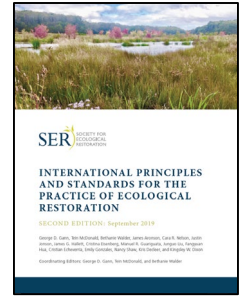
*Euphorbia conferta*  
(*Chamaesyce conferta*)



South Florida and Florida Endemics,  
>110 taxa in South Florida

# Local Biodiversity Matters!

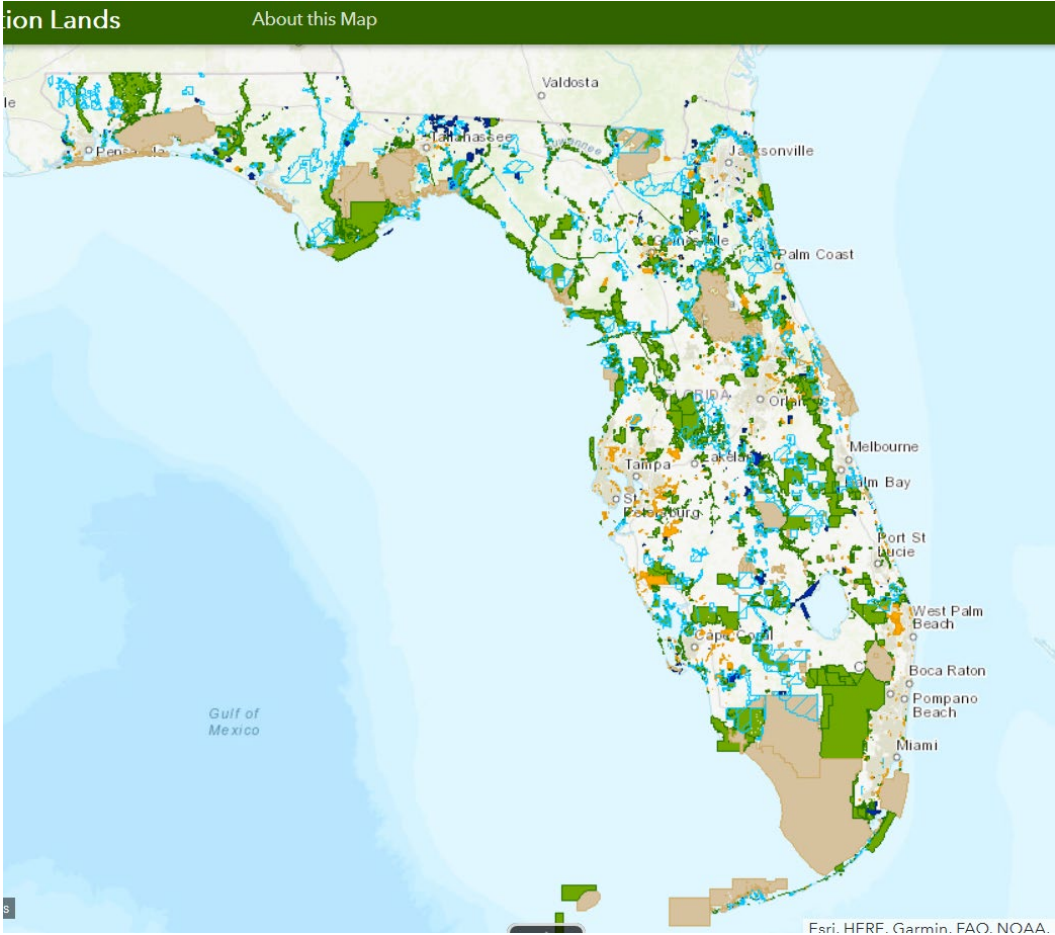




# The Challenge

1. **Ecosystem degradation**, damage, and destruction diminish the biodiversity, functioning, and resilience of ecosystems.
2. This, in turn, negatively affects the **resilience and sustainability** of social-ecological systems.
3. **Protection** of remaining native ecosystems is critical but insufficient.
4. Global society must also secure a **net gain in** the extent and functioning of **native ecosystems** by investing in environmental repair including ecological restoration.
5. This repair must be implemented at **multiple scales** to achieve measurable effects worldwide.

# Recognized Conservation Lands



## Non-submerged (in acres)

Federal	4,254,502
State	3,731,754
WMDs	1,884,261
Local	505,697
Private	197,147
<u>Priv. Mit. Banks</u>	<u>85,706</u>
<b>Total</b>	<b>6,408,819</b>
Percent	18.40%

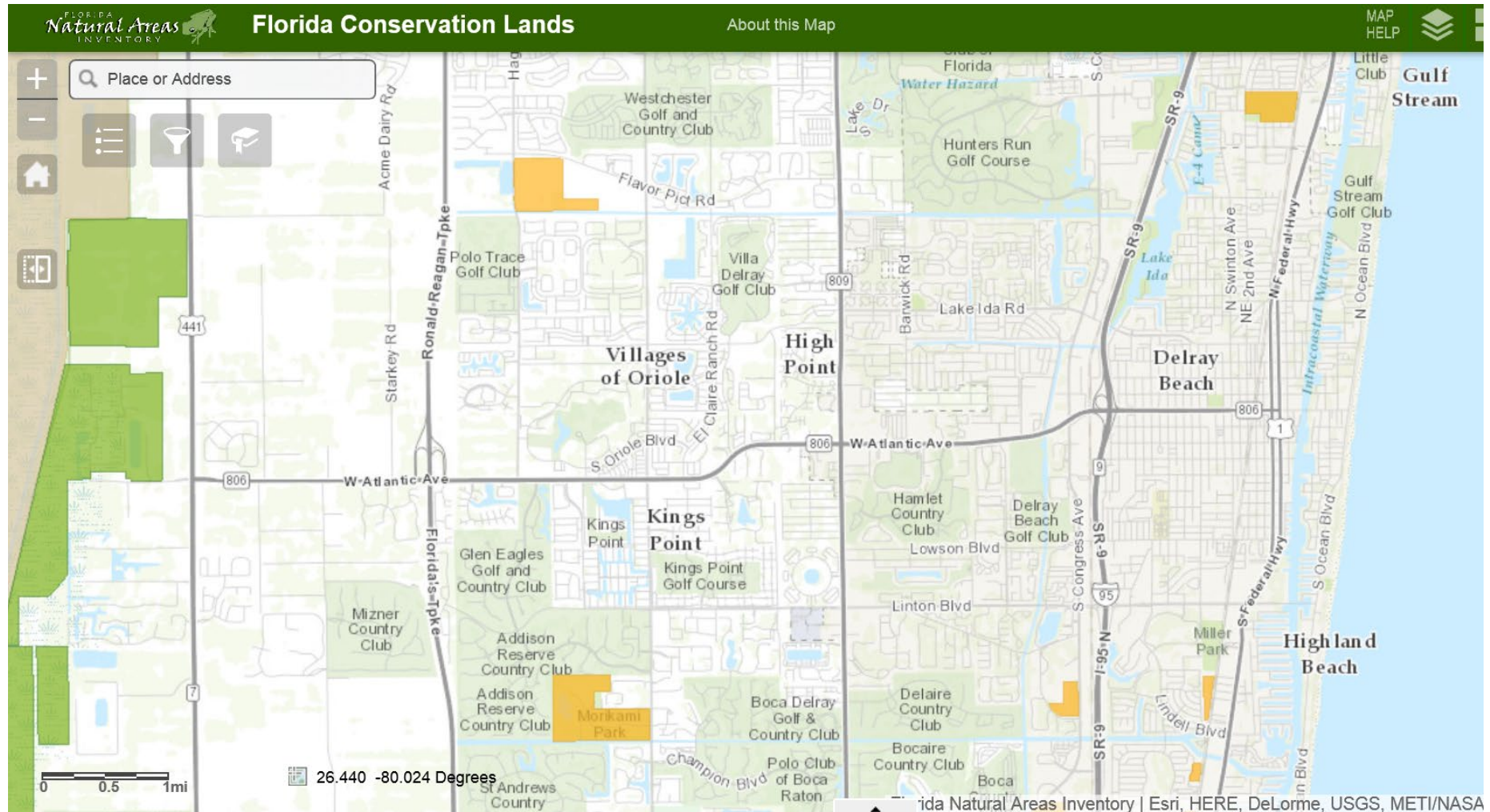
**Comparison:** current 2020 target for UN Convention on Biological Diversity is 17% for terrestrial lands.

Florida Natural Areas Inventory, November 2, 2019

<https://www.fnai.org/webmaps/ConLandsMap/>



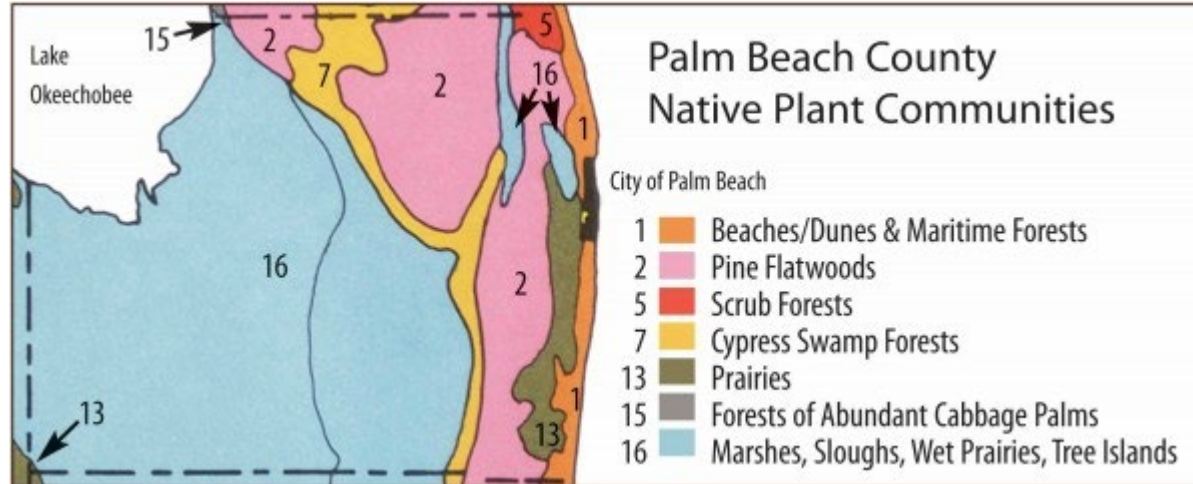
# Our Local Reality



Conservation areas in and around Delray Beach.

## How Can We:

- Improve our sense of place?
- Increase success of native plantings?
- Connect conservation areas?



About 800 species of native plants have been recorded in Palm Beach County, a little more than one half of the South Florida total and about one quarter of the Florida total. Some of those are now extirpated, that is, regionally extinct. As individuals we can play a role in conserving what remains and restoring some of what has been lost.

# What We Can Do:

**Natives For Your Neighborhood**  
Conservation of rare plants, animals, and ecosystems

Donate Now    Subscribe

Home    NFYN Home    Citation    About NFYN    Map    Online Resources

**A Resource to Help Change a Hobby for a Few into a Powerful Conservation Tool of Many.**

Here you can learn how to turn simple gardening into habitat restoration by using plants that are native to your specific area. This website will provide you with the information you need to do that. By planting native plants and recreating natural habitats that are unique to your area, you will make a valuable contribution to the conservation and restoration of South Florida's natural heritage!

Find out About the Unique Plants, Habitats, and Wildlife in Your Area.  
Choose what you would like to search:

Florida Zip Code     By County     Plant     Animal

Search By Florida Zip Code

Start by entering a 5-digit Florida ZIP Code here:

Find Native Plants!

Acknowledgements and past sponsors  
Become a sponsor!

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**THE INSTITUTE FOR REGIONAL CONSERVATION PRESENTS**

A Free Event Celebrating  
**RE-GREENING SOUTH FLORIDA**

Saturday, February 7, 2015 from 1:30-4:00pm  
Green Cay Nature Center  
12800 Hagen Ranch Road, Boynton Beach, FL 33437

NATIVE PLANT RESOURCES - BOOK SIGNING - GARDENING Q & A

Featuring 2pm Author Presentation:  
**ATTRACTING BIRDS TO SOUTH FLORIDA GARDENS**  
JAMES A. KUSHLAN & KIRSTEN HINES

Attracting Birds to South Florida Gardens is a completely illustrated informational guide. It provides advice on nearly 400 plants to plant, over 200 birds to attract, garden design and management, all specifically for attracting birds and other wildlife to South Florida landscaping. This is the first such gardening book designed for South Florida's unique environmental conditions and its mix of tropical, temperate and introduced plants and birds.

A powerful conservation resource for re-greening South Florida.

"For all South Floridians concerned about vanishing stopover habitat and hoping to contribute to the re-greening of Florida in their own backyards, Attracting Birds to South Florida Gardens is essential reading."  
Brian Raposa, author of *Birding Florida*

\*Available at: [www.KirstenNaturePress/publications/](http://www.KirstenNaturePress/publications/)  
\*\*Proceeds from books sold at the event benefit IIRC.

ATTRACTING BIRDS TO South Florida Gardens

Photo: G. Sefton and Kirsten Hines

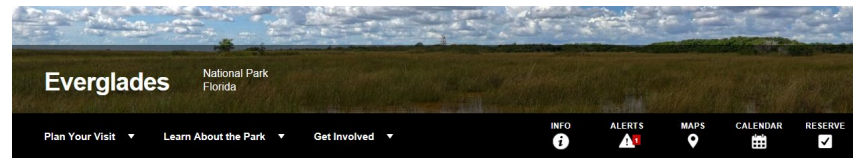
- Increase plant and animal habitat and connectivity throughout the urban and suburban matrix
- Through use of native plants within their native ranges
  - Gardening for wildlife



This can happen virtually anywhere – at residences and office complexes, in parks, and even in medians. And by increasing, improving and connecting existing protected areas.



# We Must Restore Degraded Ecosystems, Small and Large, Fragmented and Connected



[NPS.gov](#) / [Park Home](#) / [Learn About the Park](#) / [Science & Research](#) / [Research Programs](#) / [Comprehensive Everglades Restoration Plan \(CERP\)](#)

## Comprehensive Everglades Restoration Plan (CERP)

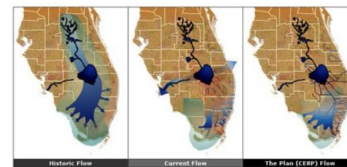


Image Courtesy of [EvergladesPlan.org](#)

The CERP was authorized by Congress in 2000 as a plan to "restore, preserve, and protect the south Florida ecosystem while providing for other water-related needs of the region, including water supply and flood protection." At a cost of more than \$10.5 billion and with a 35+ year time-line, this is the largest hydrologic restoration project ever undertaken in the United States.



# Native Plant and Wildlife Data

FLORIDA NATIVE PLANT SOCIETY  
serena & reyna

Florida Native Plant Society

Who We Are | What We Do | Native Plants | Resources | Events | Chapters  
Join / Support

Home > Native Plants

## Native Plants

**Learn about native plants!**  
Click on the links to learn more.

- Natives for Your Area
  - Get a list of species appropriate for landscaping in your area. You can explore the entire list, identify species that thrive in specific conditions (salt tolerance, water use, etc.), that provide habitat for butterflies and wildlife, and that are native to your particular area. Descriptions and photographs are provided.
  - Natives for landscaping and restoration: [Plants](#)
  - Attracting butterflies and native pollinators: [Butterflies and Pollinators](#)
  - Attracting Wildlife: [Wildlife](#)
- Native Plant Communities
  - Native plants exist naturally in specific habitats. This page provides general information and photographs of the major natural communities that support plants in Florida.
- Gardens with Natives
  - Find public gardens near your community that have native plants. Most also have non-natives.

Florida Association of Native Nurseries  
FANN

Growing, planting and promoting Florida native plants for sustainable landscapes.

Join Now | Sign In

Gardeners & Homeowners Visit [PlantHealthFlorida.org](#)

Plants | Plant Communities | Professionals | About Us | News | Learn More | Membership

## REAL Florida Professionals

- Wholesale Growers
- Landscape Professionals
- Environmental Professionals
- Nursery and Landscape Products
- Commercial Services
- Retail Nurseries

CONTINUING EDUCATION (CEUS)  
[NativePlantShow.com](#)

## REAL Florida Landscapes

Starting a design? Consider what grows naturally, then find the plants.

Select Your County:

or Enter your Zip...  [Go](#)

[Learn More](#)

**Know Your Natives: Navigating the Hamella Mess** [Learn More](#)

**FEATURED NATIVE PLANT**  
Butterfly Milkweed  
*Asclepias tuberosa*

In Florida, out-of-state plant stock often performs poorly. Ask your grower about plant/seed origin and choose Florida native ecotype for use in Florida. Growers now recognize at least two native ecotypes in Florida: one which prefers moist pinelands, with blooms that are typically bright orange, and another which thrives in excessively well-drained sandhills and scrub, with blooms that exhibit more color variation from yellow-orange to orange-red. The pinelands ecotype may be easier to use in most typical landscape settings.

[Learn More](#)

**Find a specific plant**

Enter the first few letters of the common or botanical name, then select a plant from the list.

Looking for...

Or, choose a plant type below.

or select plant type  [Go](#)

**Find a nursery or grower**

Find a nursery that grows...

See All  [Go](#)

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Now searching **498,630** nursery listings from **33,628** plant varieties

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**Thousands of Nurseries**

Betrock's PLANTFINDER

Wholesale Guide to Ornamental and Foliage Plants.

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## ATTENTION!!!

THE DEADLINE DATE FOR PLANTFINDER LISTING CHANGES & AD PLACEMENTS HAS MOVED TO THE 1<sup>st</sup> OF THE PRECEDING MONTH.

DEADLINE DATE	PLANTFINDER ISSUE
December 1, 2017	January 2018
January 1, 2018	February 2018
February 1, 2018	March 2018
March 1, 2018	April 2018
April 1, 2018	May 2018
May 1, 2018	June 2018
June 1, 2018	July 2018

Get noticed with a listings plus Banner

\$35.00 per ad - 4 ads or more. \$25.00 each per issue. An ad must be attached to a plant listing and will appear in red.

[Order Form](#)

**Atlas of Florida Plants**  
Institute for Systematic Botany

Scientific Name  Search

Advanced Search Search Help

Home Browse By Search Specimen Search ISB Links About References

Atlas of Florida Plants » Species Page

**Liquidambar styraciflua** Jump to a section: Classification Citation Source Synonyms | Print

Specimens

Family:	ALTINGIACEAE
Species:	Liquidambar styraciflua L.
Common Name:	SWEETGUM
Status:	Native, FACW (DEP), FAC (NWPL), I (WAP)
Specimen:	<a href="#">View details of USF Herbarium specimens</a>

\*\* Not applicable or data not available.

**Classification**

Order	SAXIFRAGALES
Family	ALTINGIACEAE
Genus	Liquidambar
Species	Liquidambar styraciflua L. - SWEETGUM

**Citation**

Citation	LIQUIDAMBAR STYRACIFLUA Linnaeus, Sp. Pl. 999. 1753.
Basonym:	**
Type:	VIRGINIA: Without data, Kalm s.n. (lectotype: LINN 1134.1). Lectotyped by Wiinands. Bot. Commelinis

Map | Photo Gallery | Browse Photos

Distribution Map: Based on **voucher** plant specimens from **wild** populations. **Cultivated** occurrences are not mapped. View county names by placing the cursor over the map.

Species Distribution Map

- Not Vouchered
- Vouchered

U.S. Department of Transportation  
Federal Highway Administration

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**Ecoregional Revegetation Application (ERA)**

Technical Report | Resource Library | Downloads | Data Sources | Kramer Lab: Vendor List

Jump to

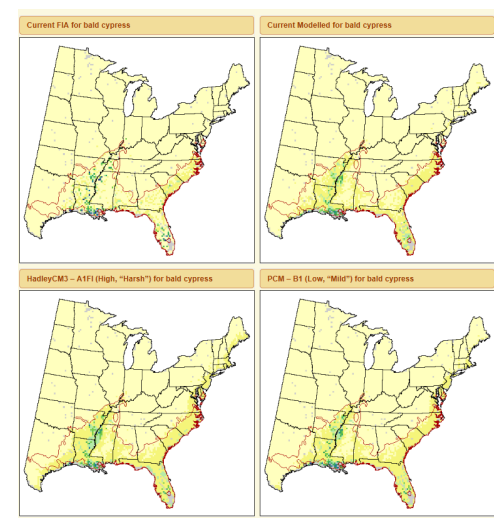
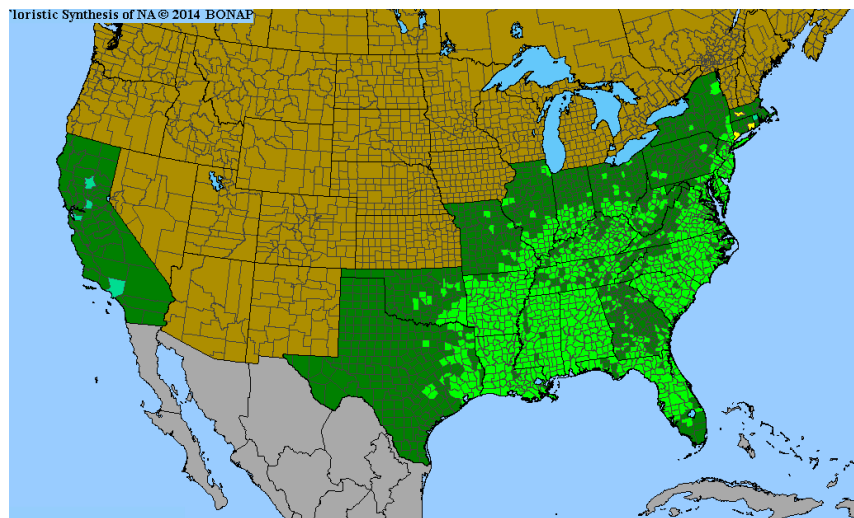
< Select a state >

Legends & Layers

Seed Zones  OFF

How to Use | About

Reset Map



Current *Taxodium distichum* Models in USDA Climate Change Tree Atlas

## State and National Distribution Data

Florida Native Gardening  
Private group

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Files

Recommendations

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- Florida Native Gardening
- Florida Flora and E... 20+
- The Institute for Regi... 9
- The Socially Distan... 20+



FLORIDA  
**NATIVE**  
GARDENING

Joined ▾ ✓ Notifications ↗ Share ⋮ More

**Announcements**

Gia Leigh shared an event  
Admin · April 28 at 11:17 PM



CUPLET  
FERN  
CHAPTER

*Garden Chat with Mark*

# Facebook Pages

Tropical Audubon Bird Board

George Home Create

Tropical Audubon Bird Board  
Public group

About

**Discussion**

Announcements

Members

Events

Videos

Photos

Watch Party

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- Artesania Worldwide 1
- Florida Native Gardening
- Florida Flora and E... 20+
- The Institute for Regi... 9
- The Socially Distan... 20+



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Write Post Photo/Video Live Video More

Write something...

Photo/Video Watch Party Tag Friends ⋮

**Announcements**

Tropical Audubon Society  
Admin · April 24 at 2:38 PM

Welcome to Tropical Audubon Society's Facebook Bird Board! This Group provides a forum for local and visiting birders to share South Florida bird sightings with our birding community. In addition to reports of rare, unusual or interesting birds or other wildlife seen in our area, other appropriate content for this forum includes local birding trip reports and requests for

GROUP BY

Tropical Audubon Society  
7,167 like this

INVITE MEMBERS

+ Enter name or email address...

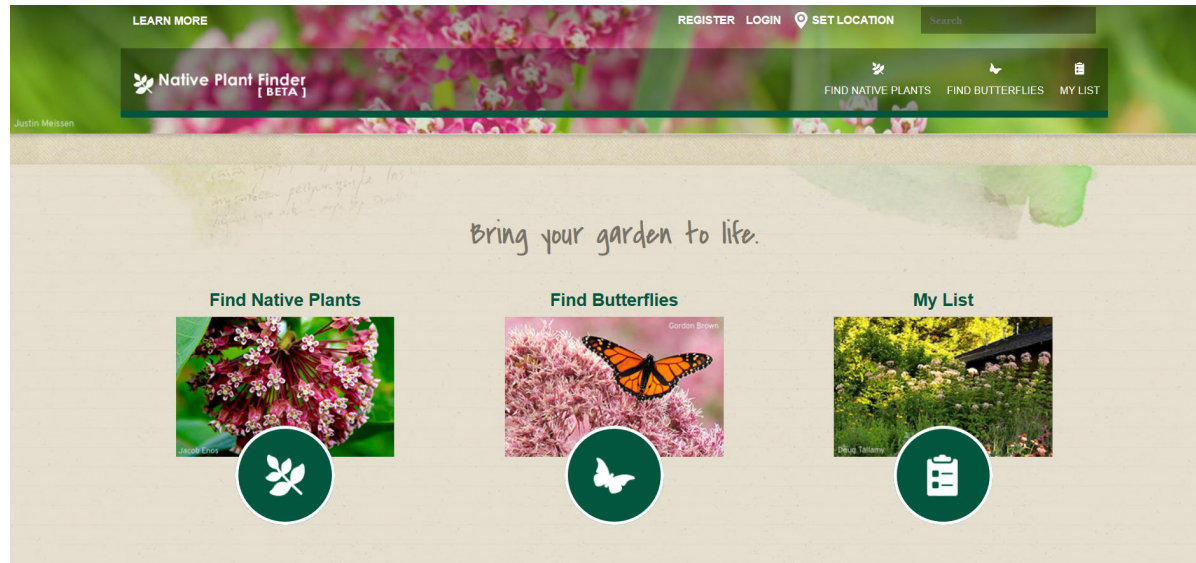
MEMBERS 308 members

SUGGESTED MEMBERS Friends

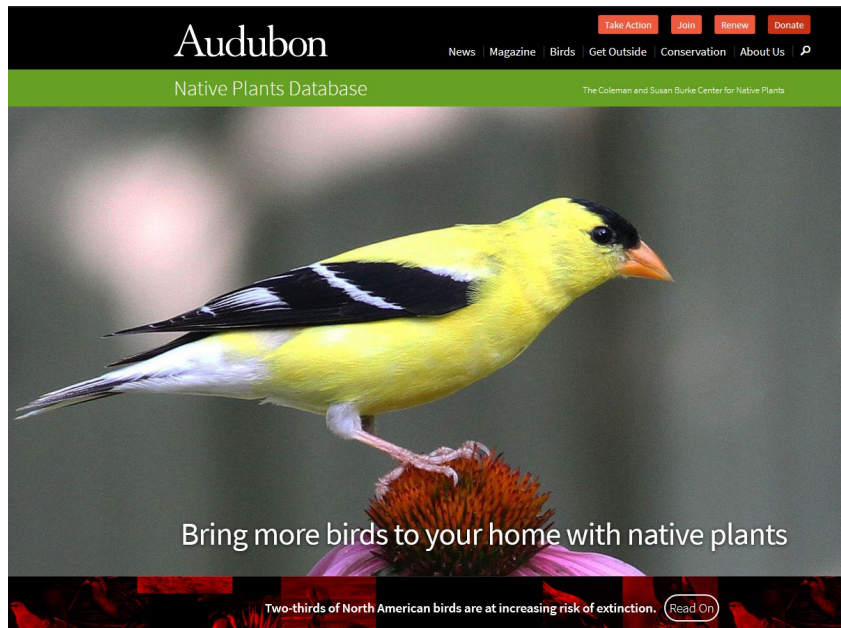
Juliet Rynear Invite Member



How can we better link national and local resources for native landscaping and restoration?



National Wildlife Federation



National Audubon Society



Plant Agents

**Natives For Your Neighborhood**  
*Conservation of rare plants, animals, and ecosystems*

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[Home](#) [NFYN Home](#) [Citation](#) [About NFYN](#) [Map](#) [Online Resources](#)

**Zip Code 33444**  
**search for Native Plants, Habitats and Wildlife**

This is a long narrow zip code area east of I 95 and west of US 1 running from Dune Road south to the C-15 canal in Delray Beach in Palm Beach County. Link to [map](#).

**Native Plants**

Whether you are just beginning a new native plant project, or will be introducing native plants into an existing garden, this is the place to find out which native plants are right for your specific area.

**Get your plant list for 33444 !**

**Find Native Plants!**

**Acknowledgements and past sponsors**  
**Become a sponsor!**

**Emergent Sponsors:**

*Amelia's SmartyPlants*  
 your full-service garden center

*ATTRACTING BIRDS TO South Florida Gardens*

[f](#)  
[in](#)

Precise Data Encouraging the Use of  
 Native Species Within Their Native Ranges  
 (2019, >71,000 users, >742,000 page views)

We Want to Increase Success

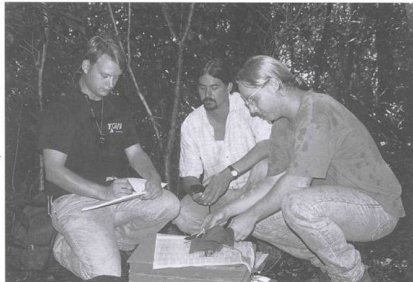
- 1) In the Garden
- 2) For Conservation

# Natives For Your Neighborhood: The Data



 **The Floristic Inventory of South Florida**  
*Conservation of rare plants, animals, and ecosystems*

*Afield* celebrates...



80 Species To Be Added to Florida's  
Endangered Species List

Premier Issue of *Orion Afield* (1997)

- ❖ FISF assesses status of native species, identified rare species.
- ❖ Determines effectiveness of existing conservation areas, including small conservation areas, to conserve native plant species.
- ❖ Identifies opportunities to restore rare plants and their habitat.

**Rare Plants of South Florida:**  
Their History, Conservation, and Restoration



George D. Gann  
Keith A. Bradley  
Steven W. Woodmansee



The Institute for Regional Conservation 

**FREE IRC ZOOM WEBINAR**  
**Floristic Inventory of South Florida**  
With IRC's Chief Conservation Strategist, George Gann



**Tuesday, May 12<sup>th</sup>, 2020**  
**1:00 pm – 2:00 pm**

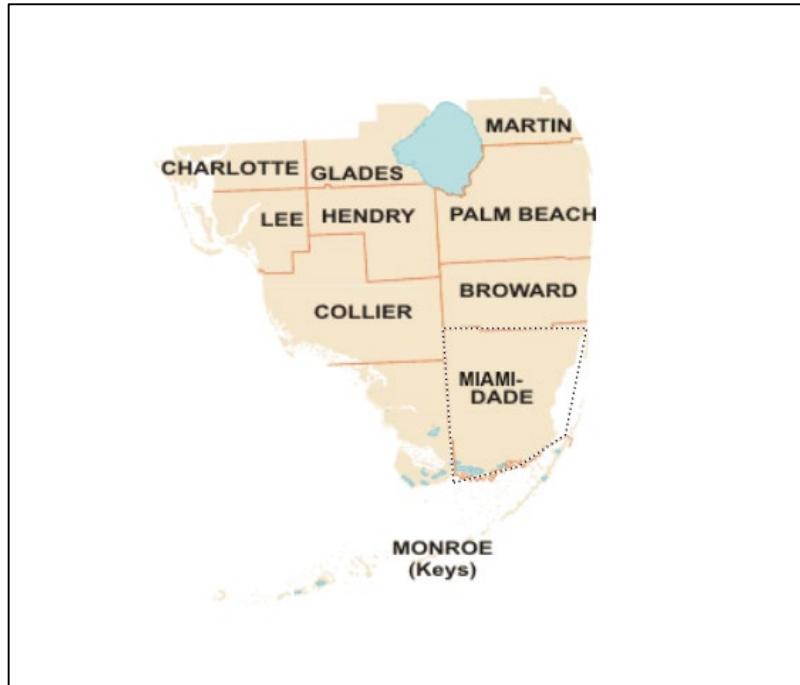
Go to <https://zoom.us/j/92842955504>  
Click "Join Meeting"  
Enter 933-8204-9297



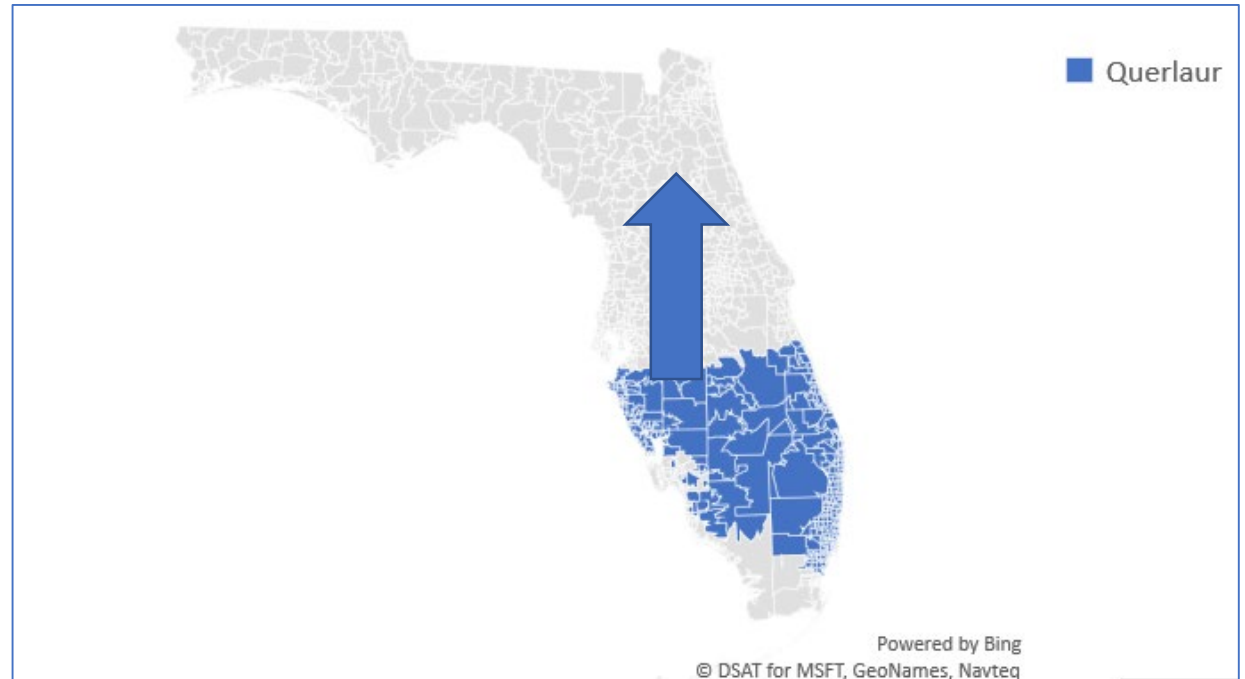
**The Institute for  
Regional Conservation**

# Mapping Zip Codes to North

Original Scope



*Laurel Oak – Quercus laurifolia*





## Building Statewide Partnerships



Florida Association of Native Nurseries (FANN) website. The page features a navigation menu with options like 'Plants', 'Plant Communities', 'Professionals', 'About Us', 'News', 'Learn More', and 'Membership'. A prominent section titled 'Send us your photos!' includes the email address [pix@plantrealflorida.org](mailto:pix@plantrealflorida.org). Below this, there is a detailed entry for 'Hercules' Club (Zanthoxylum clava-herculis)' with a table of characteristics:

Type:	Understory tree	Bloom Color:	
Light:		Salt:	No
Soil Moisture:		Wildlife Support:	

For more information: [Click here to see botanical record at the Florida Plant Atlas](#)

Hardiness Zones: with local professional Communities:

- itime Forests Zone 9
- itime Forests Zone 8
- and Mixed Forests Zone 8

A table of nurseries is also visible:

Name	Phone	City	Size	Other info	Quantity
Chiappini Farm Native Nursery	(800) 293-5413	Hawthorne	#3		-
Maple Street Natives	(321) 729-6857	West Melbourne	3g		M



Florida Wildflower Foundation website. The page features a navigation menu with options like 'HOME', 'ABOUT', 'IN BLOOM', 'GROW', 'GRANTS', 'LEARN', 'PROTECT', 'SUPPORT', and 'NEWS & EVENTS'. A prominent section titled 'Florida's Native Wildflowers' includes a text box:

Working for wildflowers  
 Funds from the State Wildflower license plate protect and preserve Florida's native flowering plants. Get yours today!

When you purchase or renew the plate, \$15 is given to the Foundation. [Learn more.](#)

The background image shows a yellow Volkswagen Beetle with a 'FLORIDA WILD FLA' license plate parked in a field of yellow wildflowers.

## More links to other resources



Join

Donate



Get the plate that helps pollinators thrive!

## Florida's Native Wildflowers

### Feed the bees

The Foundation funds research that is helping pollinators thrive, now and in the future. [Learn more.](#)

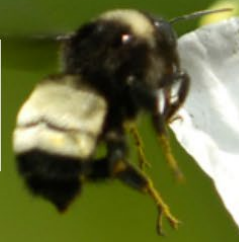


Photo by John Moran

*The Florida Wildflower Foundation nurtures the awareness, understanding and enjoyment of Florida native wildflowers through conservation, preservation and education.*

Donate

# New Support: Florida Wildflower Foundation



## How Does It Work?

County Lists – Ecological generalist with broad ranges  
(95% rule)



ZIP Code Lists – Ecological generalists + generalists within  
local habitats



Habitat Lists – Generalists + habitat specialists within  
historical range within ZIP Code





[Floristic Inventory of South Florida](#)  
[Floristic Inventory of the Florida Keys](#)  
[Natives for Your Neighborhood](#)  
[Plantas del Mayab \(Yucatan\)](#)  
[Plantas de Puerto Rico / Plants of Puerto Rico](#)

Restoring the link between people and nature

[Learn More](#)



[IRC's Book](#)



[Ecological Restoration Standards](#)



[Pine Rockland Initiative](#)





## A Resource to Help Change a Landscape Conservation

Here you can learn how to turn simple garden ideas into a landscape of native plants to your specific area. This website will help you learn about planting native plants and recreating natural areas. Your contribution is a valuable contribution to the conservation of our natural resources.

Natives For Your Neighborhood is a labor of love and commitment. If you use this website, help us maintain and grow it with your tax-deductible donation.

[Donate Now](#)

Find out About the Unique Plants, Habitats, and Wildlife in Your Area.

Choose what you would like to search:

Florida Zip Code

By County

Plant

Animal

Search By Florida Zip Code

Start by entering a 5-digit South Florida ZIP Code here:

Find

[Find Native Plants!](#)

[Acknowledgements and past sponsors](#)

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Emergent Sponsors:





**A Resource to Help Change a Hobby for a Few into a Powerful Conservation Tool of Many.**

Here you can learn how to turn simple gardening into habitat restoration by using plants that are native to your specific area. This website will provide you with the information you need to do that. By planting native plants and recreating natural habitats that are unique to your area, you will make a valuable contribution to the conservation and restoration of South Florida's natural heritage!

Find out About the Unique Plants, Habitats, and Wildlife in Your Area.

Choose what you would like to search:

- Florida Zip Code       By County       Plant       Animal

Search By Florida Zip Code

Start by entering a 5-digit Florida ZIP Code here:

33444 × [Find](#)

[Find Native Plants!](#)

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## Zip Code 33444 search for Native Plants, Habitats and Wildlife

This is a long narrow zip code area east of I 95 and west of US 1 running from Dune Road south to the C-15 canal in Delray Beach in Palm Beach County. Link to [map](#).

### Native Plants

• Click below to obtain a list of native plants that are recommended for 33444, and to see photos and learn more about them.

Whether you are just beginning a new native plant project, or will be introducing native plants into an existing garden, this is the place to find out which native plants are right for your specific area.

Get your plant list for 33444 !

Advance search for plants

### Habitats

To take gardening with natives a step further, you can learn about the plant and animal

[Find Native Plants!](#)

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- You can try your hand at ecological restoration in your yard or project site by recreating a native habitat.

- Click below to view a list of some native habitats for 33444.

### Habitats

To take gardening with natives a step further, you can learn about the plant and animal habitats that are native to your area. Here you can also learn more about native habitats and ecosystems, and get a list of plants native to this habitat that are recommended for your zip code.

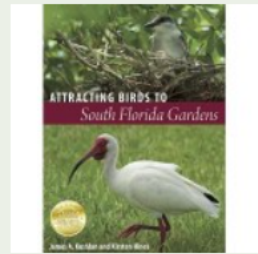
Read more about restoring native habitats in our [Frequently Asked Questions section](#), and learn how you can attract wildlife such as birds and butterflies to your yard.

Get your list of habitats for 33444 !

### Wildlife

- Click the button below to learn about the wildlife that may be expected in your area and what native plants can be planted and habitats created to attract them.

Get your wildlife list for 33444 !



### Canopy Sponsors:



## Natives For Your Neighborhood Plant List

Plants in Zip Code 33444

Below is a list of the cultivated native plants for this zip code. These plants, all within their natural ranges in this geographic area, are appropriate for use in landscaping here. By planting these native species, you will not only create a low-

Do Not Group By Plant Form:

Sort By:

Scientific Name

Common Name

[PRINTER FRIENDLY VERSION](#)

- Widely cultivated
- ▲ Cultivated at native plant nurseries

Common Name

Scientific Name

### Trees



**Bald cypress** ■

[Taxodium distichum](#)



**Cabbage palm** ■

[Sabal palmetto](#)



**Chapman's oak** ▲

[Quercus chapmanii](#)

Shrubs and Woody Groundcovers



American beautyberry ■

Callicarpa americana



Coastalplain St. John's-wort

Hypericum brachyphyllum



Coastalplain staggerbush ▲

Lyonia fruticosa



Coco-plum ■

Chrysobalanus icaco



Common buttonbush ▲

Cephalanthus occidentalis



Common pawpaw, Netted pawpaw ▲

Asimina reticulata



Coralbean, Cherokee bean ■

Erythrina herbacea



Elderberry, American elder ▲

Sambucus nigra subsp. canadensis



Fetterbush ▲

Lyonia lucida



Firebush ■

Hamelia patens var. patens



Please scroll to the bottom for more images.

Coastalplain staggerbush

*Lyonia fruticosa*

Ericaceae

**General Landscape Uses:** Accent shrub.

**Availability:** Grown by one or two native plant nurseries in central Florida.

**Description:** Medium erect shrub. Leaves about 1-2 inches long, covered with brown hairs when young.

**Dimensions:** About 4-6 feet in height. Usually taller than broad.

**Growth Rate:** Moderate.

**Range:** South Carolina and Georgia south to Miami-Dade and Collier counties.

 [Map of select IRC data from peninsular Florida.](#)

 [Map of suggested ZIP codes north to Indian River and Manatee counties.](#)

 [Map of ZIP codes with habitat recommendations north to Martin and Charlotte counties.](#)

**Habitats:** Pinelands and hammocks.

**Soils:** Moist to dry, well-drained sandy or limestone soils, with or without humusy top layer, acid pH.

**Nutritional Requirements:** Low to moderate; it can grow in nutrient poor soils or soils with some organic content.

**Salt Water Tolerance:** Low; does not tolerate flooding by salt or brackish water.

**Salt Wind Tolerance:** Low; salt wind may burn the leaves.

**Drought Tolerance:** Moderate to high; plants growing in extremely dry soils may die during extended periods of drought.

**Light Requirements:** Full sun.

**Flower Color:** White or pink.

**Flower Characteristics:** Showy.

**Flowering Season:** Spring-summer.

**Fruit:** Inconspicuous capsule.

**Wildlife and Ecology:** Provides some food and moderate amounts of cover for wildlife. Attracts bee pollinators.



Copyright by: James Johnson, 2014

In habitat, Blazingstar Preserve, Palm Beach County, Florida

[Enlarge](#)



Copyright by: James Johnson, 2014  
In habitat, Blazingstar Preserve, Palm Beach County, Florida  
[Enlarge](#)



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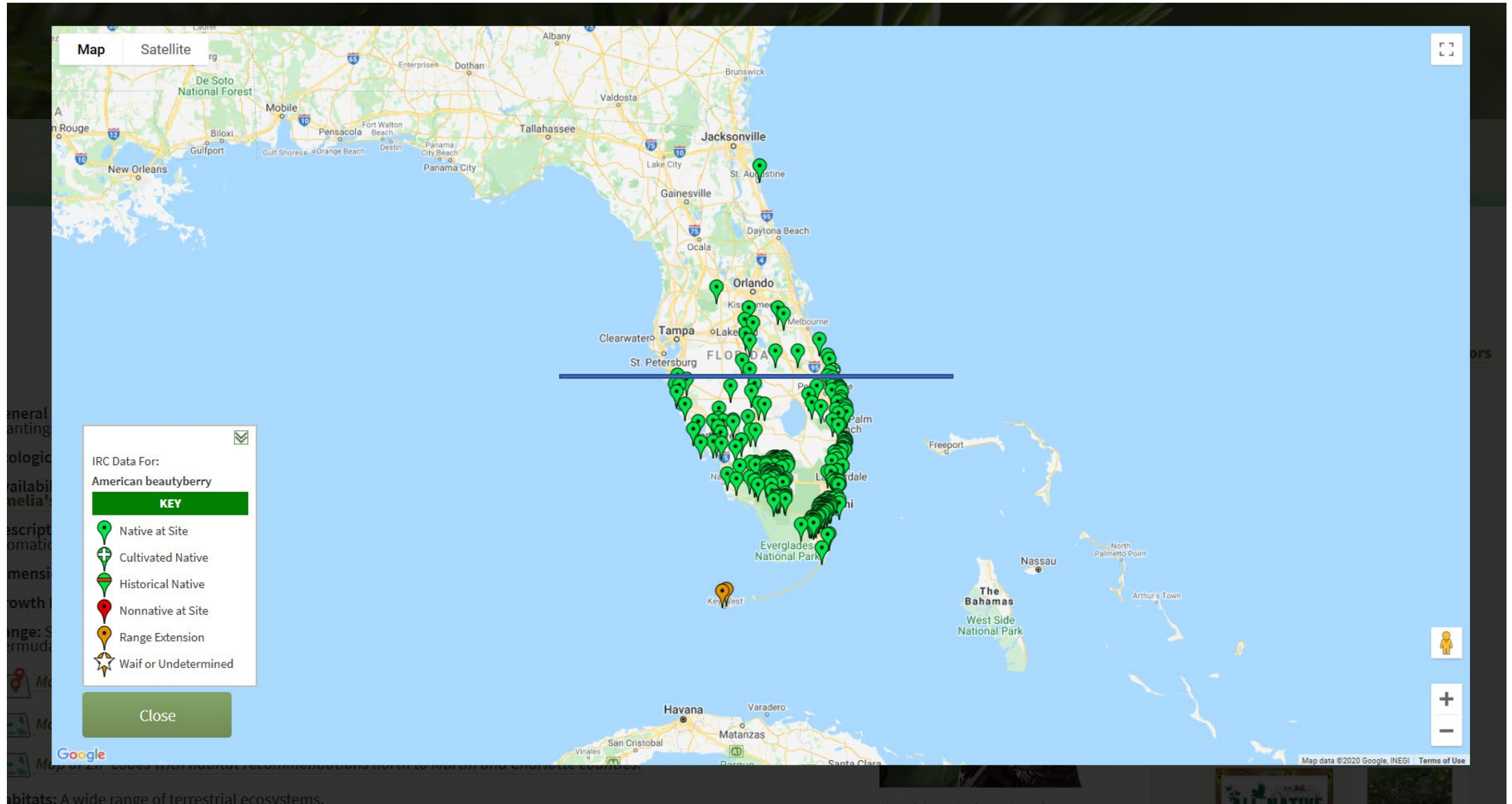


Pigeonplum, Tietongue  
*Coccoloba diversifolia*

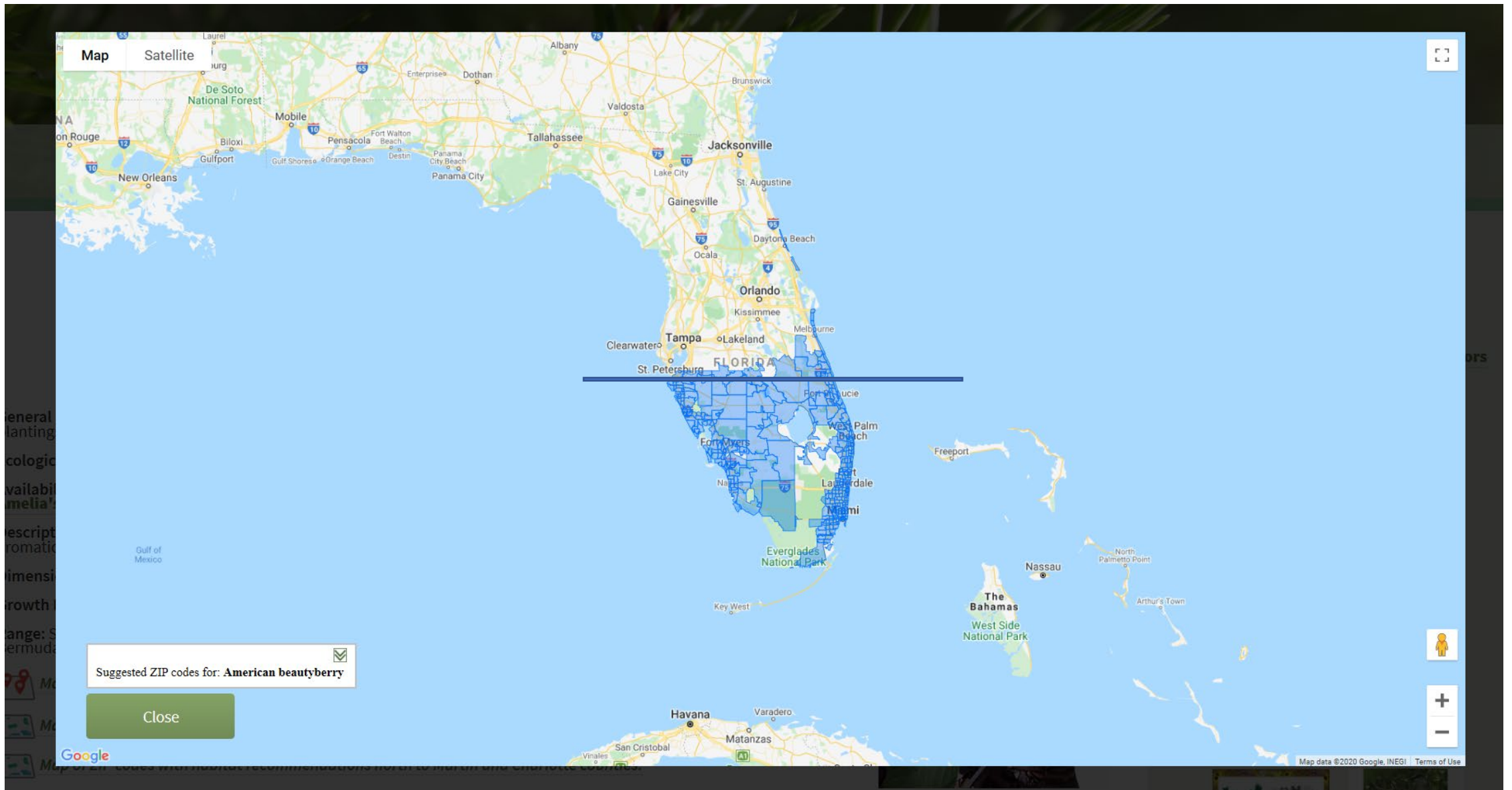
(C) James Johnson, 2014.



# American beautyberry *Callicarpa americana*

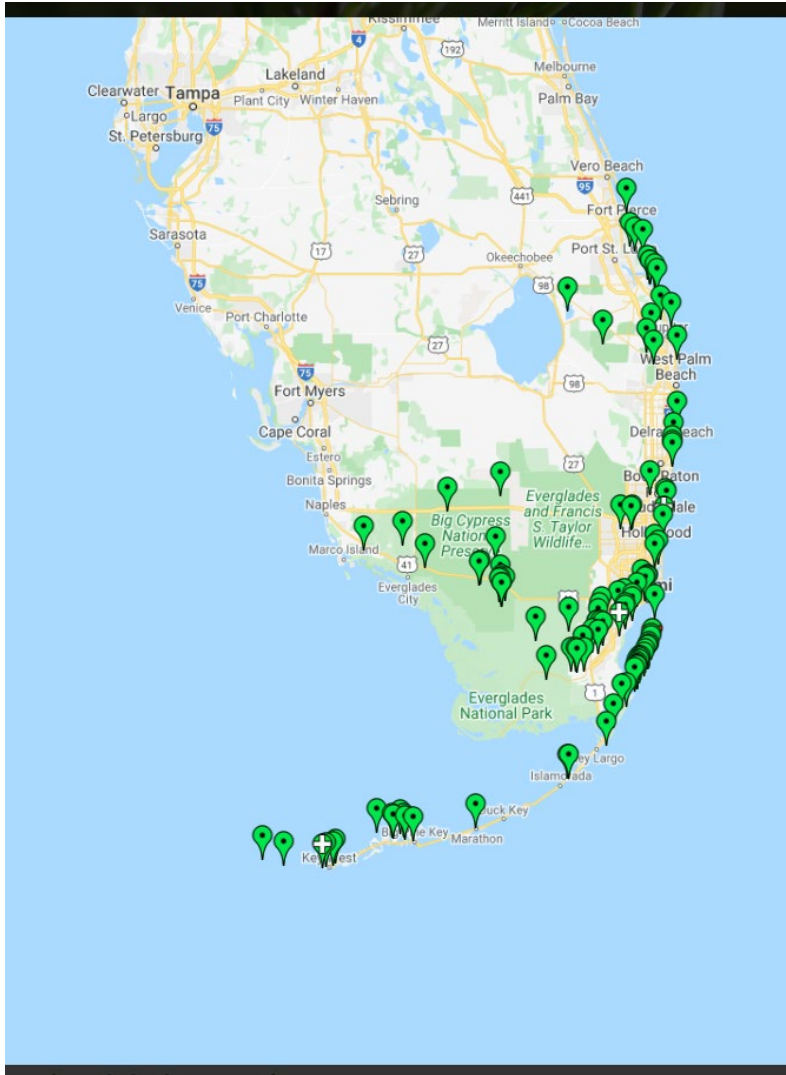


# American beautyberry *Callicarpa americana*

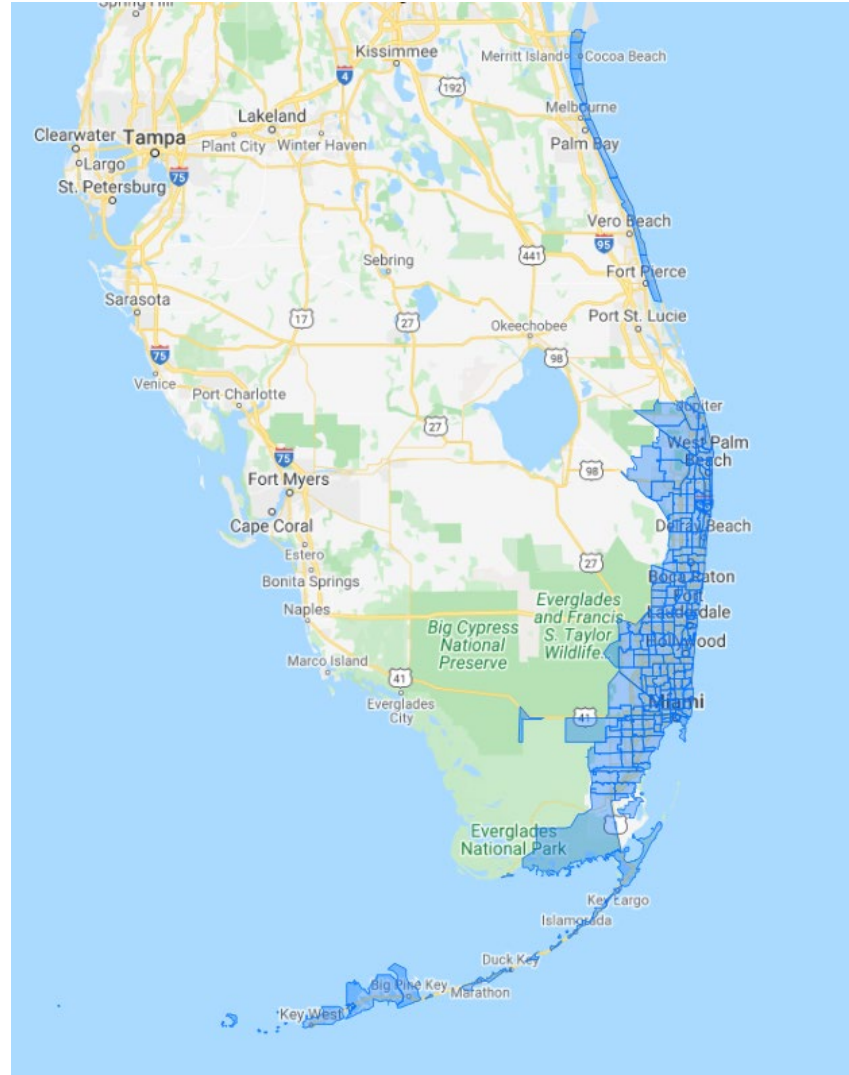


# Paradisetree *Simarouba glauca*

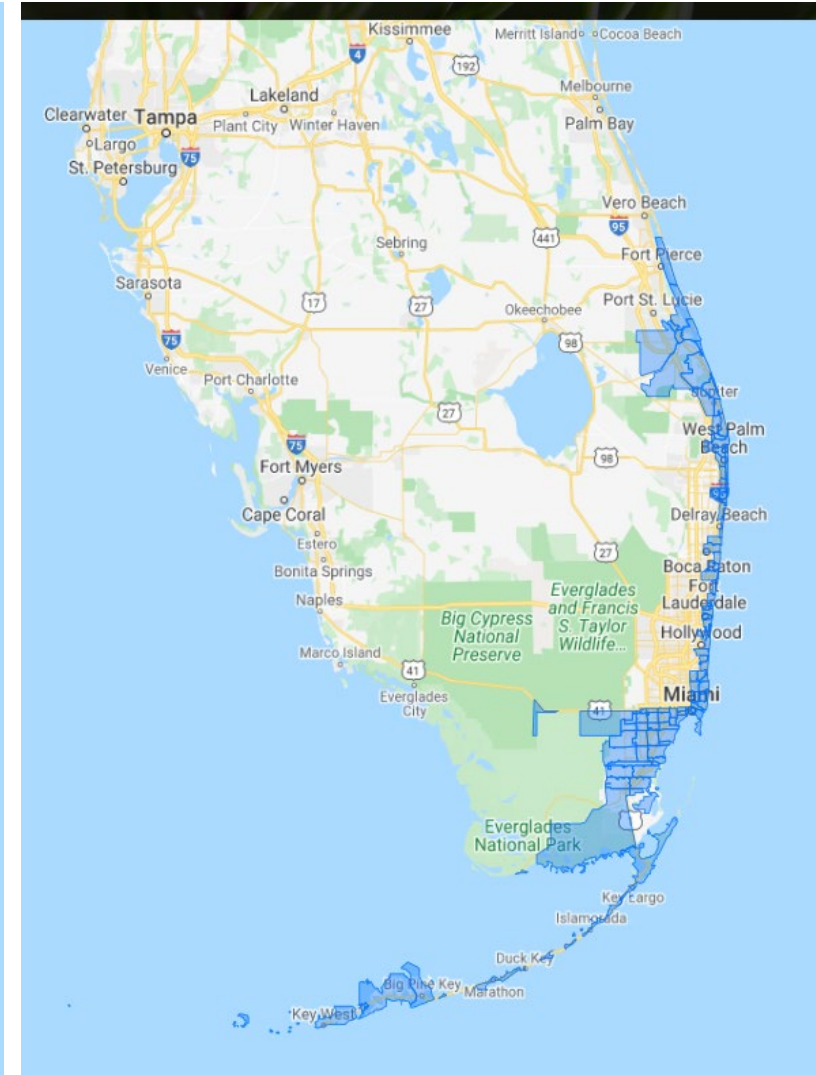
## Range



## ZIP Codes



## Habitat in ZIP Codes



# In South Florida

Habitats in Zip Code 33444

**To take gardening with natives a step further, you can learn about the native plant habitats that are appropriate for your area. You can then choose a habitat, and view a list of plants for that specific habitat. This way, you can try your hand at restoring a native plant habitat in your yard or project site. Habitat lists also include some hard to grow natives and natives with narrow habitat requirements, such as strictly coastal species, that may not be included on your main zip code list.**

## **Bayhead**

[Learn More](#)

[Plant List](#)

## **Dome Swamp**

[Learn More](#)

[Plant List](#)

## **Mesic Flatwoods**

[Learn More](#)

[Plant List](#)

## **Mesic Hammock**

[Learn More](#)

[Plant List](#)

# Habitats in Zip Code 33483

[Learn More](#)

[Plant List](#)

## **Beach Dunes and Coastal Grasslands**



[Learn More](#)

[Plant List](#)

## **Coastal Berm**

[Learn More](#)

[Plant List](#)

## **Coastal Interdunal Swale**

[Learn More](#)

[Plant List](#)

## **Coastal Strand**



[Learn More](#)

[Plant List](#)

## **Freshwater Tidal Swamp**

[Learn More](#)

[Plant List](#)

# Plants found in the Beach Dunes and Coastal Grasslands habitat, in zip code 33483

## Shrubs and Woody Groundcovers



Beach-elder, Seacoast marshelder ▲

Iva imbricata



Inkberry, Beachberry, Gullfeed ▲

Scaevola plumieri



Pricklypear ▲

Opuntia humifusa



Sea-lavender, Sea-rosemary ▲

Tournefortia gnaphalodes

## Herbs



Beachgrass, Bitter panicgrass, Bitter panicum ▲

Panicum amarum



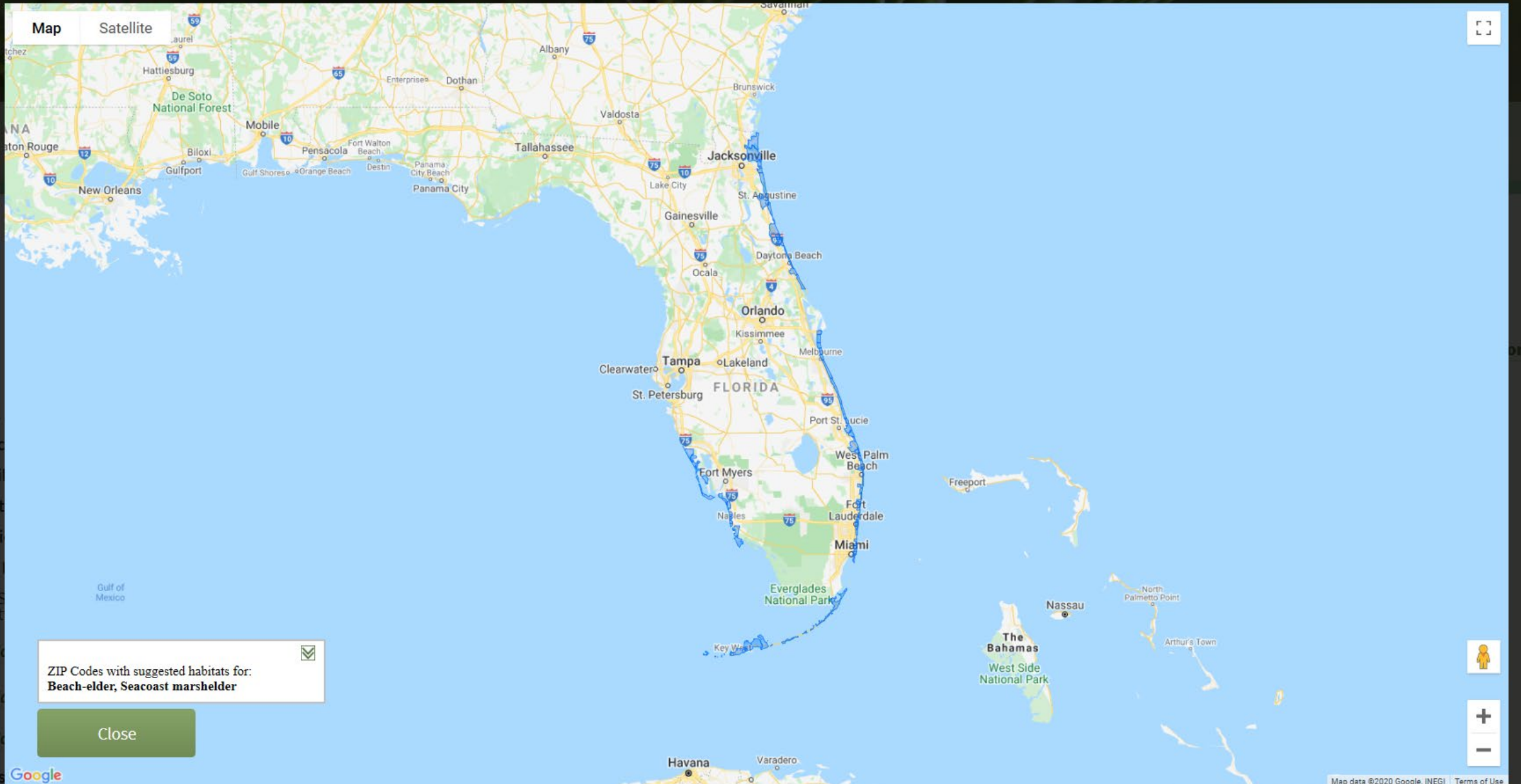
Beach ragweed, Coastal ragweed ▲

Ambrosia hispida



# Beach-elder, Seacoast marshelder

*Iva imbricata*



General  
Ecologic  
Availabi  
Descript  
Dimensi  
Growth  
Range: S  
and scat  
Habitats  
Soils: Moist, well-drained sandy soils, without humus.



## Habitats

### Rockland Hammock

Rockland Hammocks are densely wooded forests that are dominated by tropical trees, and a few trees of temperate origin. They are home to numerous shrubs, vines, herbs, epiphytes, and ferns. Hammocks are shady and humid, and have an organic substrate.

A brief description of this habitat as given by the **Florida Natural Areas Inventory** is:

Flatland with limestone substrate; mesic; subtropical; rare or no fire; mixed tropical hardwoods, often with live oak.

Find out how to restore this habitat:

How To Restore

Requires Acrobat  
Reader:



To obtain a plant list that includes species native to your Zip Code and found in this habitat enter your 5 digit zip code here

Find

Clear

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GUIDELINES FOR PLANTING  
A ROCKLAND HAMMOCK IN SOUTH FLORIDA

George D. Gann  
The Institute for Regional Conservation  
[www.regionalconservation.org](http://www.regionalconservation.org)

Version 1.1  
March 4, 2006

A companion publication of



**Purpose.** These guidelines provide basic information that can be used to restore rockland hammocks in their original locations, as well as the creation of rockland hammocks within their historical range on fill pads, on spoil piles, and in areas where pine rocklands have been destroyed and cannot be restored. They are intended principally for residential landscapes, school yards and commercial plantings. They are not a substitute for site-specific restoration design carried out by a professional restoration practitioner, nor are they intended for those more interested in other forms of native plant landscaping, including mixed native/exotic gardens. For more information on ecological restoration research and practice, please refer to the Society for Ecological Restoration International's website at [www.ser.org](http://www.ser.org). For more information on native plant landscaping, please see the Florida Native Plant Society website at [www.fnps.org](http://www.fnps.org).

**Background.** Rockland hammocks are broad-leaved forests found on limestone substrate with an accumulation of organic material on the surface. They are closed, dome-shaped forests typically dominated by evergreen trees and shrubs of West Indian origin. Rockland hammocks are similar throughout their range, although the flora and vegetation varies

Place and Habitat-based Planting Guides



Below is a list of animals that may be observed in this zip code. By planting native species, you will not only create a low-maintenance landscape to enjoy, but you will also create habitat for these wildlife species.

Sort  
By:

Scientific Name

Common Name

PRINTER FRIENDLY VERSION

Common Name

Scientific Name

Thumbnails  
Coming Soon!

Butterflies

Barred Yellow

Eurema daira

Black Swallowtail

Papilio polyxenes

Brazilian Skipper, Canna skipper

Calpodas ethlius

Carolina Satyr

Hermeuptychia sosybius

Cassius Blue

Leptotes cassius theonus

Clouded Skipper

Lerema accius

Cloudless Sulphur

Phoebis sennae

Common Buckeye

Junonia coenia

Please scroll to the bottom for more images.

## **Julia Heliconian**

*Dryas iulia*

Nymphalidae

### **Description:**

Medium-sized butterfly with a wingspan up to 3-5/8 inches. The male is bright orange-brown with several small black spots near the tips of the forewing and a narrow black border on the outer edge of the hindwing. The female is a duller orange-brown, with a black band across the forewing and more black markings. The underside of the hindwing in both sexes has a pale band through the center. The caterpillar has an orange head with black patches and two black horns on top. The body is usually brown or black with white patches and many long, black, needlelike spines arranged in rows. Some populations have white bodies with dark markings. The chrysalis is brown with a few silver markings.

### **Range:**

South Florida and southern Texas; West Indies, Mexico, Central America and South America; strays to the north in the summer as far as Nebraska and coastal areas of Georgia and South Carolina.

### **Distribution and Abundance in Florida:**

Locally common all year in South Florida; common all year in the Keys. Caterpillars are present all year.

### **Habitat(s):**

Hammock edges, pinelands and open, disturbed sites.

### **Reproduction:**

Three or more broods per year. The elongated yellow eggs are laid singly on the new growth of host plants. Females will reject plants on which eggs have already been laid.



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### Natural History:

These butterflies are fast fliers, but have weak wingbeats. They "trap-line" by visiting the same flowers in sequence repeatedly during a single day or on several sequential days. Ants attracted by nectar glands on the leaves of host plants may eat the eggs or young caterpillars. Some host plants may develop structures that resemble eggs, which may cause females to avoid them.

### Food:

Caterpillars feed on the leaves of host plants. Larval host plants include the native vines corkystem passionflower (*Passiflora suberosa*), maypop (*Passiflora incarnata*) and whiteflower passionflower (*Passiflora multiflora* var. *multiflora*) and the naturalized passion fruit (*Passiflora edulis*). Native nectar plants include trees such as poisonwood (*Metopium toxiferum*), seagrape (*Coccoloba uvifera*) and smooth strongback (*Bourreria succulenta*); shrubs such as baycedar (*Suriana maritima*), common snowberry (*Chiococca alba*), shiny-leaved wild coffee (*Psychotria nervosa*), wild-sage (*Lantana involucrata*); wildflowers such as blue porterweed (*Stachytarpheta jamaicensis*), narrowleaf yellowtops (*Flaveria linearis*) and snow squarestem (*Melanthera nivea*); and vines such as yellowroot (*Morinda royoc*). Weedy native nectar plants include jack-in-the-bush (*Chromolaena odorata*), sleepy morning (*Waltheria indica*) and Spanish-needles (*Bidens alba* var. *radiata*). Adults also will feed on the invasive shrubs latherleaf (*Colubrina asiatica*) and shrubverbena (*Lantana camara*).

### Comments:

Some people may develop a rash after handling caterpillars. For more information, visit the Florida Museum of Natural History's [Florida Wildflowers & Butterflies](#) website and [Butterflies and Moths of North America](#).

plant interactions



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Pupa



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## Wildlife-Plant Interactions

Plant Associates of

Julia Heliconian

Sort By:

Scientific Name

Common Name

PRINTER FRIENDLY VERSION

Common Name	Scientific Name	Plant Uses
<u>Baycedar</u>	<u>Suriana maritima</u>	Nectar source.
<u>Blue porterweed, Joee</u>	<u>Stachytarpheta jamaicensis</u>	Nectar source.
<u>Common snowberry, Milkberry</u>	<u>Chiococca alba</u>	Nectar source.
<u>Corkystem passionflower</u>	<u>Passiflora suberosa</u>	Larval host.
<u>Jack-in-the-bush</u>	<u>Chromolaena odorata</u>	Nectar source.
<u>Latherleaf, Asian nakedwood</u>	<u>Colubrina asiatica</u>	Nectar source.
<u>Maypop, Purple passionflower</u>	<u>Passiflora incarnata</u>	Larval host.
<u>Narrowleaf yellowtops</u>	<u>Flaveria linearis</u>	Nectar source.
<u>Passion fruit, Purple granadilla</u>	<u>Passiflora edulis</u>	Larval host.
<u>Poisonwood, Florida poisontree</u>	<u>Metopium toxiferum</u>	Nectar source.



## Advanced Search for Plants

Zip Code:

Name (common or scientific):

Light Preference:

Soil:

Form:

Drought Tolerance:

Fruit:

Wildlife Attractant:

Flowers Significant:

Search

33444, shrub, light shade,  
dry soils, high drought tolerance

- Widely cultivated
- ▲ Cultivated at native plant nurseries

Common Name

Scientific Name

**Cabbage palm** ■

**Sabal palmetto**

**Common pawpaw, Netted pawpaw** ▲

**Asimina reticulata**

**Gopher-apple** ▲

**Licania michauxii**

**Saw palmetto** ■

**Serenoa repens**

**Scrub palmetto** ▲

**Sabal etonia**

**Tough Florida bully** ▲

**Sideroxylon tenax**



33444, shrub, light shade, moderate drought tolerance,  
wildlife attractant, significant flowers

- Widely cultivated
- ▲ Cultivated at native plant nurseries

Common Name

Scientific Name

**Fetterbush** ▲

***Lyonia lucida***

**Marlberry** ▲

***Ardisia escallonioides***

**Shiny-leaved wild coffee** ■

***Psychotria nervosa***

**St. Andrew's-cross**

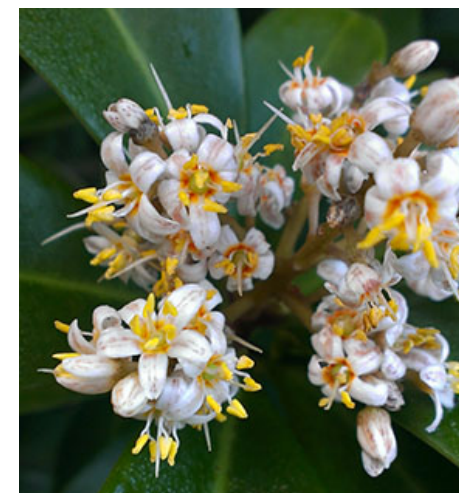
***Hypericum hypericoides***

**Twinberry, Simpson's stopper** ■

***Myrcianthes fragrans***

**White stopper** ■

***Eugenia axillaris***



# Plan for Change (e.g., Climate Change and Sea Level Rise)

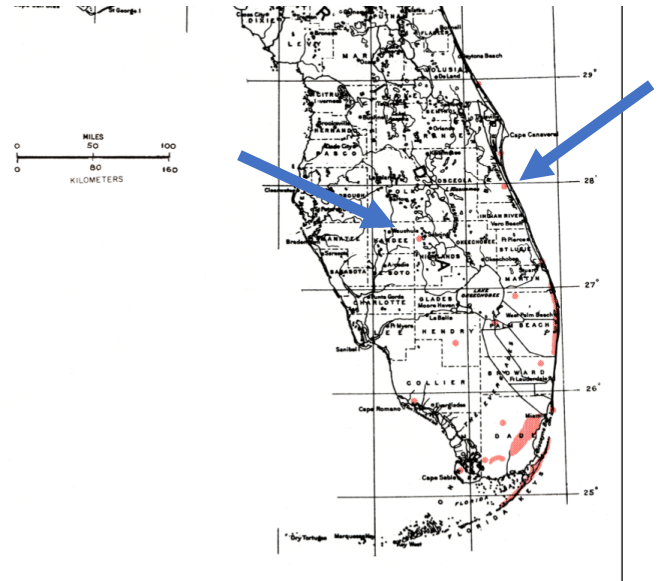
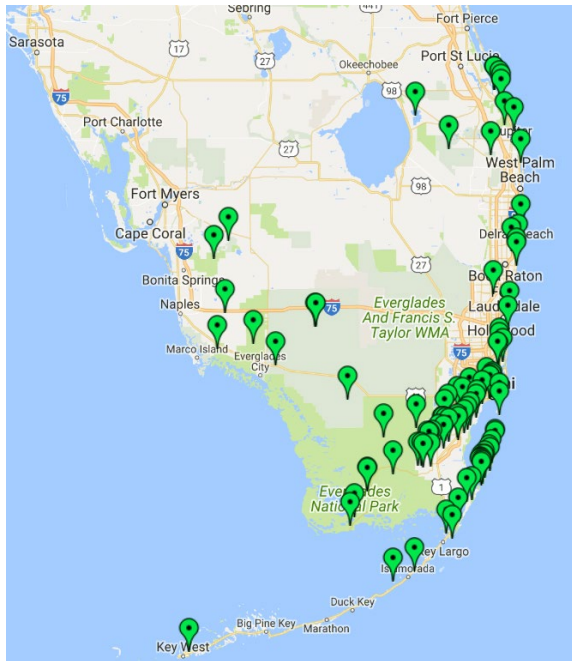
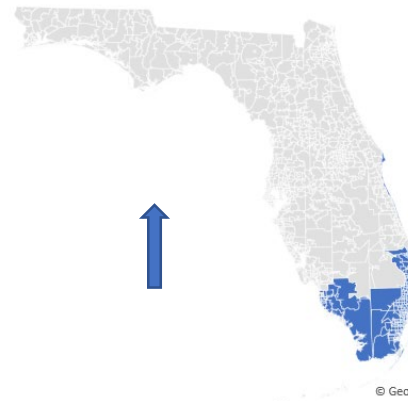


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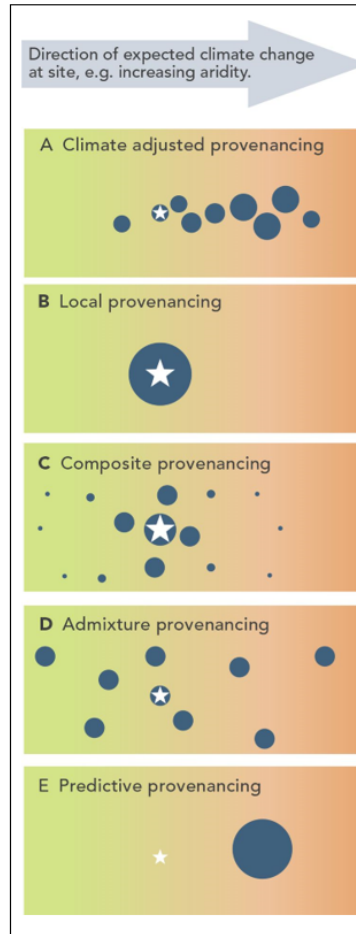
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Lancewood – *Nectandra coriacea*



# Climate Change and Provenance



**Figure 5. Provenancing strategies for revegetation.** (Reproduced here from Prober et al 2015) The star indicates the site to be revegetated, and the circles represent native populations used as germplasm sources. The size of the circles indicates the relative quantities of germplasm included from each population for use at the revegetation site. In the case of the climate-adjusted provenancing the relative quantities of the germplasm from the various populations will depend upon factors such as genetic risks, and the rate and reliability of climate change projections. For simplicity this represents the major direction of climate change in a single dimension (e.g., aridity, to combine influences of increasing temperature and decreasing rainfall), but multiple dimensions could be considered as required.

Among other items, we are:

Considering **provenance issues** – note that this pertains within species (‘assisted migration’ is largely not accepted).

From Nany Shaw, USFS: “**Trailing edges** of a distribution relative to climate change are most vulnerable to loss of a species. Longevity, dispersal, breeding system etc., determine ability to adapt/migrate. When sourcing, consider material from currently adapted sources plus sources adapted to projected near future conditions to hopefully provide current adaptation plus ability to adapt.”

In other words, for South Florida projects **local propagules + propagules from the south** are better than propagules from the north.

# NFYN Encourages It is not Prescriptive

## *Bouyeria succulenta* Boraginaceae

**General Landscape Uses:** Accent or specimen flowering shrub or small tree.

**Ecological Restoration Notes:** A relatively common mid-canopy or ecotonal species in rockland hammocks in the Florida Keys. Very rare elsewhere.

**Availability:** Native plant nurseries. Available in Fort Myers at **All Native Garden Center and Plant Nursery** ([239-939-9663](tel:239-939-9663)) and in Lake Worth at **Indian Trails Native Nursery** ([561-641-9488](tel:561-641-9488)).

**Description:** Large shrub or small tree with spreading branches that droop toward the tips. Trunks erect, about 2-6 inches in diameter. Bark thin, light brown tinged with red, slightly roughened. Leaves smooth, shining, about 2-3 inches long. The leaves can be hairy or even rough when plants are immature, sometimes leading this to be misidentified as the very rare *B. radula*.

**Dimensions:** Typically 10-15 feet in height; to 28 feet in South Florida. Can be as broad as tall in the sun, but usually taller than broad in the shade.

**Growth Rate:** Moderate.

**Range:** Monroe County Keys and Miami-Dade County; West Indies and northern South America. Very rare on the mainland south of the Miami River. For a digitized image of Elbert Little's Florida range map, visit the **Exploring Florida** website.

**Map of select IRC data from peninsular Florida.**

**Habitats:** Coastal hammocks.

**Soils:** Moist, well-drained limestone or calcareous sandy soils with humusy top layer.

**Nutritional Requirements:** Moderate; can grow in nutrient poor soils, but needs some organic content to thrive.

**Salt Water Tolerance:** Low; does not tolerate long-term flooding by salt or brackish water.

**Salt Wind Tolerance:** Moderate; grows near salt water, but is protected from direct salt spray by other vegetation.

**Drought Tolerance:** High; does not require any supplemental water once established.

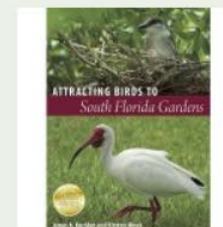


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in habitat, Everglades National Park, Key Largo,  
Florida, 2013

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# THANKS !

The screenshot shows the website interface for 'Natives For Your Neighborhood'. At the top, there is a navigation bar with the organization's logo and name, 'Natives For Your Neighborhood', with the tagline 'Conservation of rare plants, animals, and ecosystems'. To the right of the logo are two buttons: 'Donate Now' and 'Subscribe'. Below the navigation bar is a horizontal menu with links for 'Home', 'NFYN Home', 'Citation', 'About NFYN', 'Map', and 'Online Resources'. The main content area is titled 'Zip Code 33444 search for Native Plants, Habitats and Wildlife'. It contains a paragraph describing the zip code area and a link to a 'map'. Below this is a section for 'Native Plants' with a call to action box and a paragraph explaining the purpose of the plant list. A green button at the bottom of this section says 'Get your plant list for 33444 !'. On the right side, there is a sidebar with links for 'Find Native Plants!', 'Acknowledgements and past sponsors', and 'Become a sponsor!'. Below these links are two featured images: 'SmartyPlants your full-service garden center' and 'ATTRACTING BIRDS TO South Florida Gardens'. At the bottom right, there are social media icons for Facebook, Instagram, and LinkedIn.

**Natives For Your Neighborhood**  
*Conservation of rare plants, animals, and ecosystems*

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[Home](#) [NFYN Home](#) [Citation](#) [About NFYN](#) [Map](#) [Online Resources](#)

### Zip Code 33444

#### search for Native Plants, Habitats and Wildlife

This is a long narrow zip code area east of I 95 and west of US 1 running from Dune Road south to the C-15 canal in Delray Beach in Palm Beach County. Link to [map](#).

#### Native Plants

Whether you are just beginning a new native plant project, or will be introducing native plants into an existing garden, this is the place to find out which native plants are right for your specific area.

• Click below to obtain a list of native plants that are recommended for 33444, and to see photos and learn more about them.

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