

# *On your Marks! Get Ready for 2025 Butterfly Counts*

*Butterflies We See in Palm Beach County*

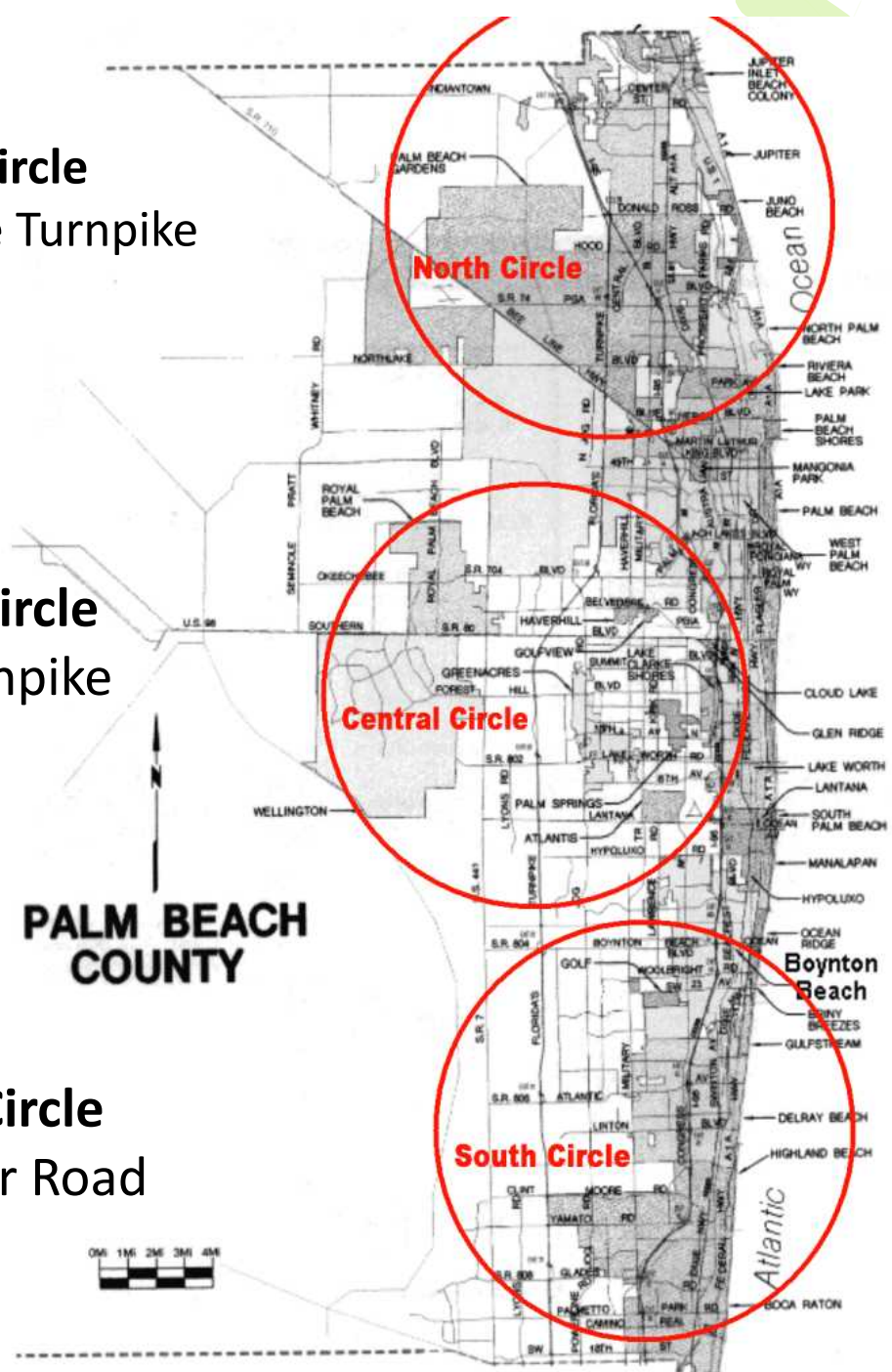


NABA-Atala Chapter  
May 17, 2025

**North Palm Beach County Circle**  
Center at Donald Ross Road & The Turnpike

**Central Palm Beach County Circle**  
Center at Forest Hill & The Turnpike

**South Palm Beach County Circle**  
Center at Linton Blvd. & Carter Road



# 4<sup>th</sup> of July Butterfly Counts 2025

## South Circle—June 14

Arthur R. Marshall Loxahatchee National Wildlife Refuge 1996  
Daggerwing Nature Center 1997  
Gumbo Limbo 1996  
Green Cay Wetlands Nature Center 2016  
Home Gardens

## Central Circle—June 21

Mounts Botanical Garden 1995  
Okeeheelee Nature Center 1995  
Pine Jog Environmental Education Center 1996  
Royal Palm Beach Pines Natural Area 2000  
Home Gardens

## North Circle—June 22

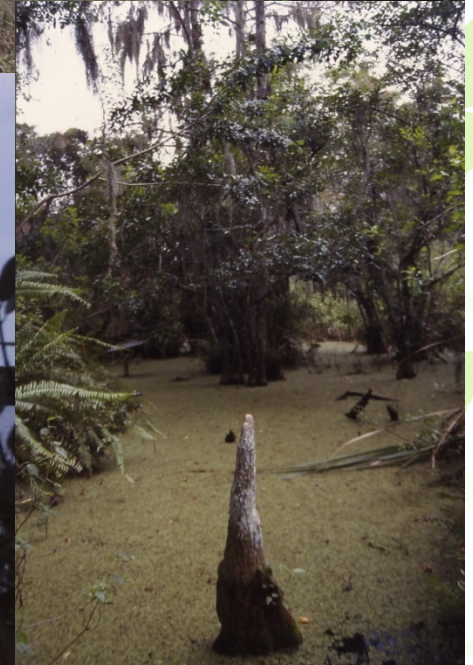
Jonathan Dickinson State Park 1998  
Blowing Rocks Preserve 1996  
FAU Arboretum 2010  
FPL-Universe Boulevard 1995  
Frenchman's Forest 2005  
Juno Dunes – West 2005  
John D. MacArthur Beach State Park 1995  
Home Gardens





# Diverse Habitats and Diverse Butterflies

\*97 Species Palm Beach County



\*Butterflies and Moths of North America  
BAMONA



# South Circle 06/15/2024

28 Species & 561 Individuals

***Highest # at ARM Loxahatchee NWR-327 Individuals-14 spp.***

- ✓ White Peacock **Total-257** ARM Loxahatchee **187**
- ✓ Dainty Sulphur **Total-11** Home Gardens 10
- ✓ Statira Sulphur **Total-20** Gumbo Limbo **20**
- ✓ Atala Hairstreak **Total-10** Green Cay **8** Home Gardens **2**
- ✓ Mallow Scrub-Hairstreak **Total-5** Home Gardens **5**
- ✓ Cassius Blue **Total-11** Gumbo Limbo **5** Daggerwing **3** & Home Gar **3**
- ✓ Gulf Fritillary **Total-41** ARM Loxahatchee **35**
- ✓ Zebra Heliconian **Total-51** ARM Loxahatchee **20** & Daggerwing **14**
- ✓ Pearl Crescent **Total-37** ARM Loxahatchee **37**
- ✓ Ruddy Daggerwing **Total-25** Daggerwing **9** Gumbo & Loxahatchee **8**
- ✓ Viceroy **Total-3** ARM Loxahatchee **2** Daggerwing **1**
- ✓ Monarch **Total-2** ARM Loxahatchee Gumbo Limbo **1**
- ✓ Queen **Total-4** ARM Loxahatchee **3** Gumbo Limbo **1**
- ✓ Soldier **Total-0**
- ✓ Twin-spot Skipper **Total-6** ARM Loxahatchee **6**



# Central Circle 06/22/2024 (RAIN!)

**32 Species 413 Individuals**

**Highest # Individuals at Home 184 & Highest # Species Home 29**

- ✓ Polydamas Swallowtail **Total-26** *Home Gardens 21 Mounts 5*
- ✓ Great Southern White **Total-14** *Home Gardens 9 Mounts Botanical Garden 3*
- ✓ Orange-barred Sulphur **Total-19** *Mounts Botanical Garden 11 Home Gardens 8*
- ✓ **Statira Sulphur Total-21** *Mounts Botanical Garden 18 Home Garden 3*
- ✓ Dainty Sulphur **Total-35** *Okeeheelee 34 Home Gardens 1*
- ✓ Atala Hairstreak **Total -15** *Mounts Botanical Gardens 0 Home Garden 15*
- ✓ Cassius Blue **Total -22** *Mounts Botanical Garden 13 Home Gardens 5 Pine Jog 4*
- ✓ Zebra Heliconian **Total-86** *Home Gardens 37 Mounts 29 Okeeheelee 13 Pine Jog 7*
- ✓ Julia Heliconian **Total-9** *Home Gardens 5*
- ✓ Gulf Fritillary **Total -44** *Home Gardens 24 Pine Jog 16*
- ✓ Variegated Fritillary **Total -1** *Okeeheelee 1*
- ✓ White Peacock **Total-39** *Okeeheelee 21 Mounts 9 Home Gardens 9*
- ✓ Monarch **Total-29** *Home Gardens 14 Mounts Garden 9 Okeeheelee 6*







# North Circle 06/23/2024 (RAIN)

**32 Species Total & 356 Individual Butterflies**  
**Highest # Individuals JDSP 53 & spp.**



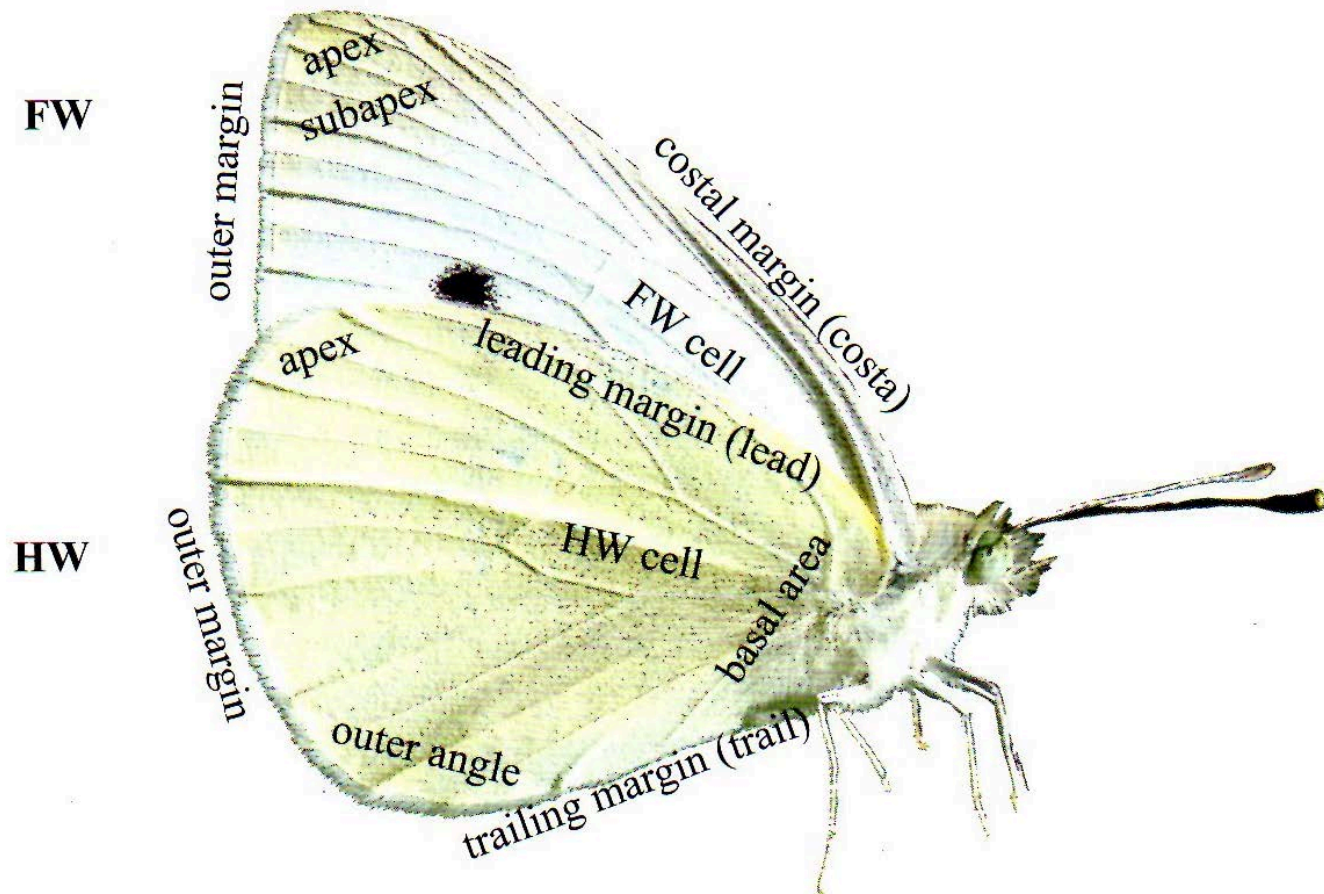
- ✓ Atala Hairstreak **Total-31** *FPL 13 Home Gardens 14 FAU 4*
- ✓ Palamedes Swallowtail **Total-2** *JDSP 2*
- ✓ Zebra Swallowtail **Total-4** *JDSP 4*
- ✓ Orange-barred Sulphur **Total-11** *Blowing Rocks 5 Home Gardens 4*
- ✓ Statira Sulphur **Total-79** *Frenchman's Forest 62 MacArthur Beach 12*
- ✓ Dainty Sulphur **Total-26** *JDSP 13 Frenchman's Forest 8 Home Gardens 4*
- ✓ Mallow Scrub-Hairstreak **Total-1** *Frenchman's Forest 1*
- ✓ Cassius Blue **Total-20** *Blowing Rocks 4 Home Gardens 13 FAU 2*
- ✓ Julia Heliconian **Total-3** *Home Gardens 3*
- ✓ Zebra Heliconian **Total-70** *Home Gardens 25 Blowing Rocks Preserve 22*
- ✓ Gulf Fritillary **Total-29** *Blowing Rocks 9 FPL 7 Home Gardens 8*
- ✓ White Peacock **Total-16** *JDSP 11 FPL 4*
- ✓ Ruddy Daggerwing **Total-7** *MacArthur Beach 3 Frenchman's Forest & BRP 6*
- ✓ Horace's Duskywing **Total-11** *Frenchman's Forest 8 Home Gardens 3*
- ✓ Fiery Skipper **Total-4** *JDSP 4*
- ✓ Southern Broken Dash **Total-1** *JDSP 1*
- ✓ Common/White Checkered-Skipper **Total-4** *JDSP 4*

# Butterfly Anatomy

**Size**  
**Color and Pattern of Wings**  
**Shape of wings**

## Wings

*Ventral View/***Below***/Side View*

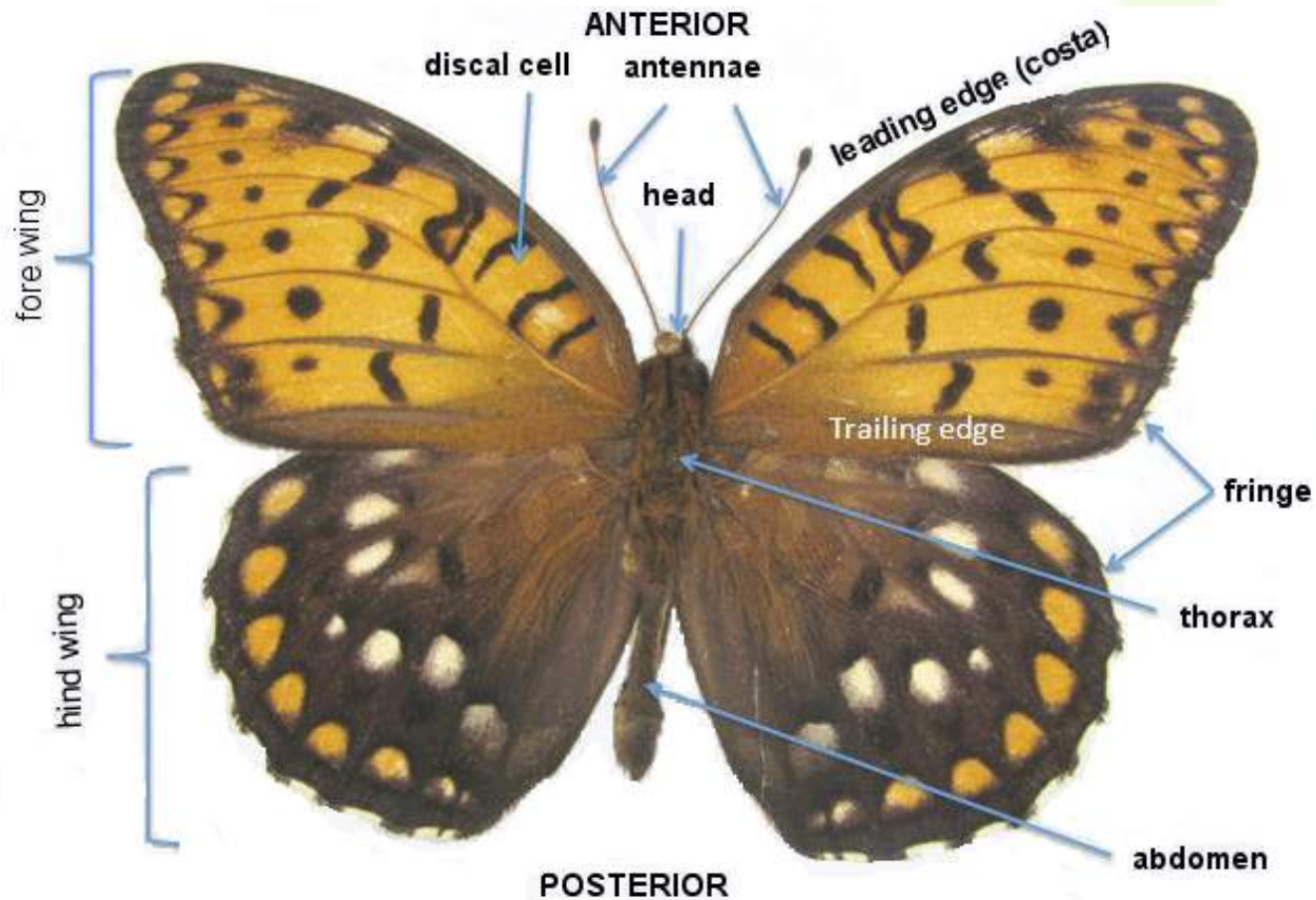


Jeffrey Glassberg *A Swift Guide to Butterflies of North America*



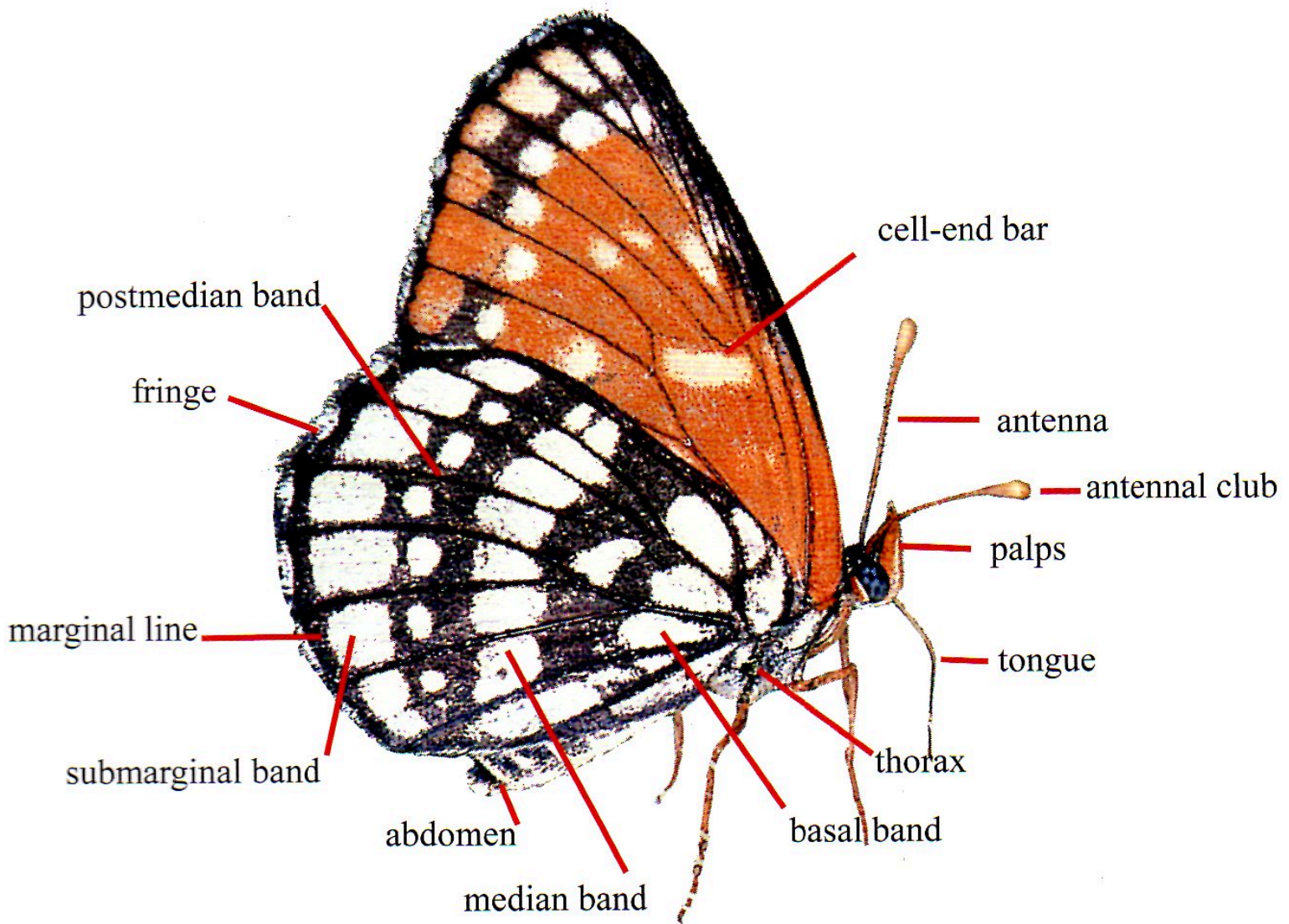
# Dorsal View

*Upper Wing Surface/Above*



# Ventral View

## *Below Wing Surface/Side*





# How Do You Count Butterflies?

## Citizen Science Project

Pollard Walks: Commonly used for research monitoring. Permanent route for census survey.

Checklist/Open Search: Single event to survey abundance and species in a specific area.

NABA!



# SULPHURS

Statira Sulphur

*Phoebis (Aphrissa) statira*



Female with spot on forewing and dark border at tip of wing and margins

Yellow toward body and white toward margins

Frenchman's Forest  
John D. MacArthur Beach State  
Blowing Rocks Preserve  
Gumbo Limbo  
Home Gardens



Male—Greenish-yellow  
Unmarked with Puckered Look



Male

Female

Ben Tert/BAMONA





Charlie Beck

## Pink-spot Sulphur *Phoebis (Aphrissa) neleis*

Dark margin broken

Dark margin unbroken



BAMONA

## Statira Sulphur (Female) *Phoebis (Aphrissa) statira*



Alana Edwards

Yellow-Angled Sulphur: MacArthur Beach State Park 2014





Orange-barred Sulphur *Phoebis pilea*  
Female—Summer



Orange-barred Sulphur—Winter



Diagonal  
Unbroken  
Band

Large Orange Sulphur  
*Phoebis agarithe*



Female



Male

Alana Edwards

Cloudless Sulphur  
*Phoebis sennae*





## Orange-barred Sulphur

Upper side yellow-orange

Large and high flying

Dark antennae

Silver spot on ventral hindwing  
tipped downward



## Cloudless Sulphur

Lemon yellow to yellow with  
pink-bordered silvery cell

# Sleepy Orange Sulphur

*Eurema nicippe*



Bright orange above  
Smaller than Cloudless and  
larger than Dainty Sulphur  
1 ½ - 2 ¼ inches

Smudged line  
Black spot

# Southern Dogface

*Zerene cesnia*





Bright Yellow

Barred Yellow *Eurema daira*



Alana Edwards

Barred Yellow—Wet Season



2 black dots

Little Yellow *Eurema lisa*



Strong black spot

Smallest Sulphur

Dainty Sulphur *Nathalis iole*



# Great Southern White

## *Ascia monuste*



Black Border  
Jagged



Turquoise  
Antennae

# Florida White

## *Appias drusilla*

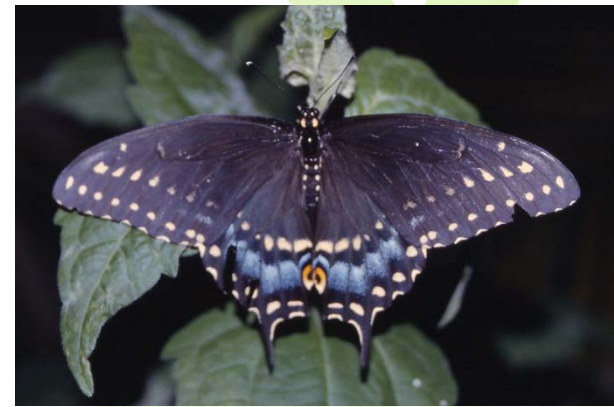


# Checkered White

## *Pontia protodice*



# Swallowtails Papilionidae

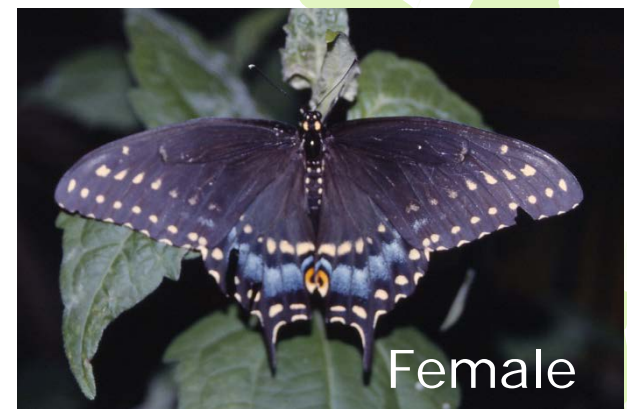




# Swallowtails



Palamedes Swallowtail  
Body solid stripes



Black Swallowtail  
Body broken yellow spots



Giant Swallowtail  
Tails with yellow centers  
Yellow body and underwings



Polydamas Swallowtail-No tails





## **Zebra Swallowtail**

*Eurytides marcellus  
floridensis*

JDSP

Frenchman's Forest

## **Eastern Tiger Swallowtail**

*Papilio glaucus*

ARM Loxahatchee

Highlands Hammock

Dark Form Female



Male

# Spicebush Swallowtail! at Okeeheelee Park Nature Center

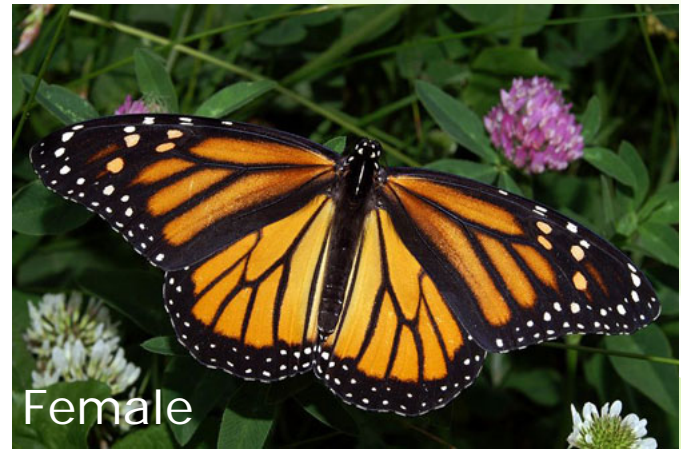




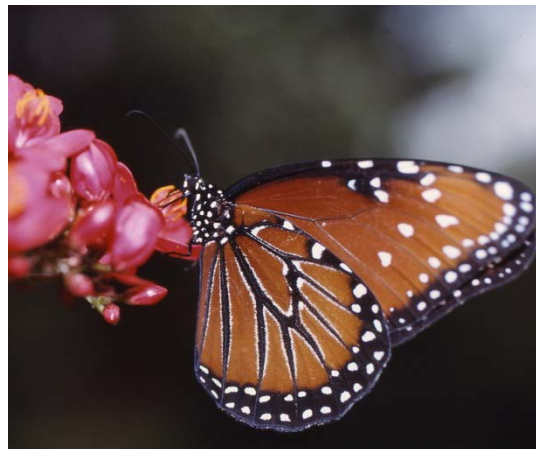
# Milkweed Butterflies



**Monarch Stained Glass**



**Soldier** Water marks



**Queen** Strong white spots





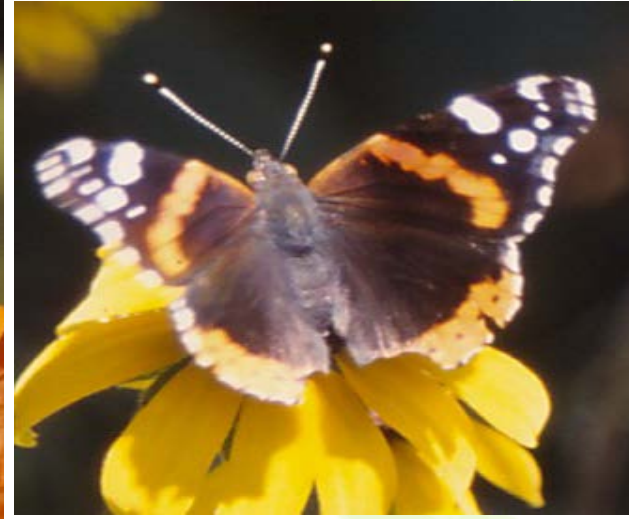
# Other Brushfoots – Nymphalidae Family



**Painted Lady**  
Small eyespots



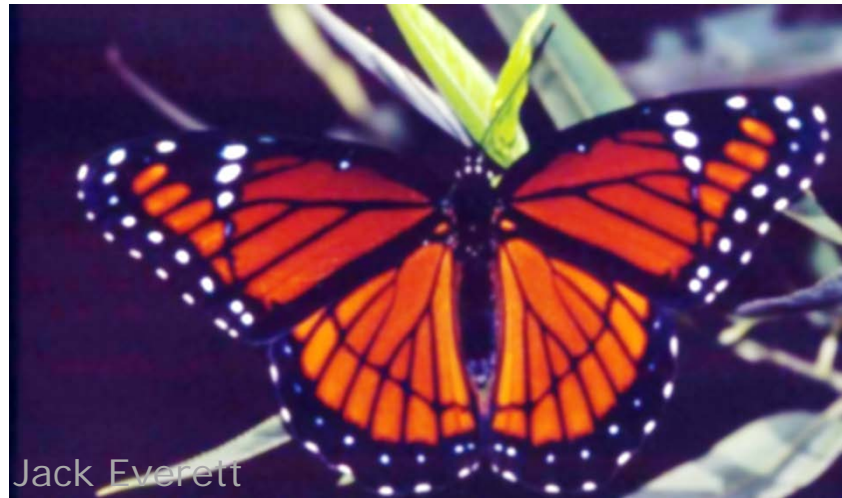
**American Painted Lady**  
Large eyespots



**Red Admiral**

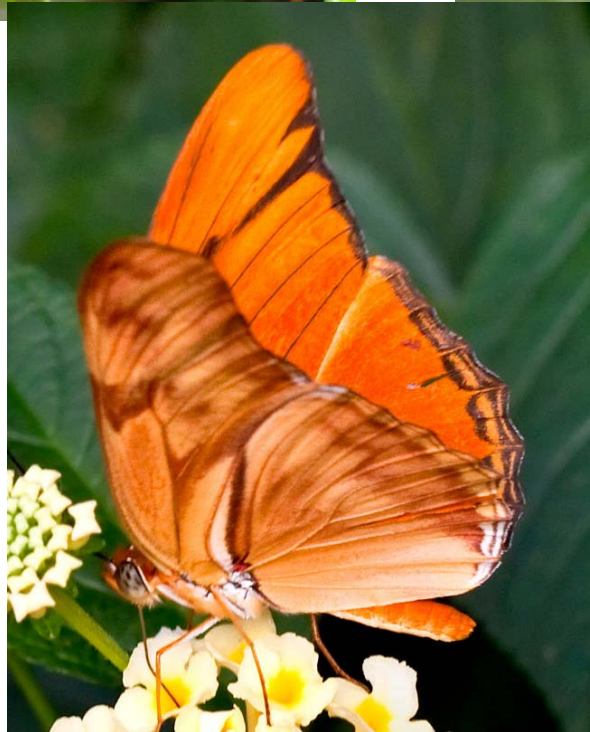
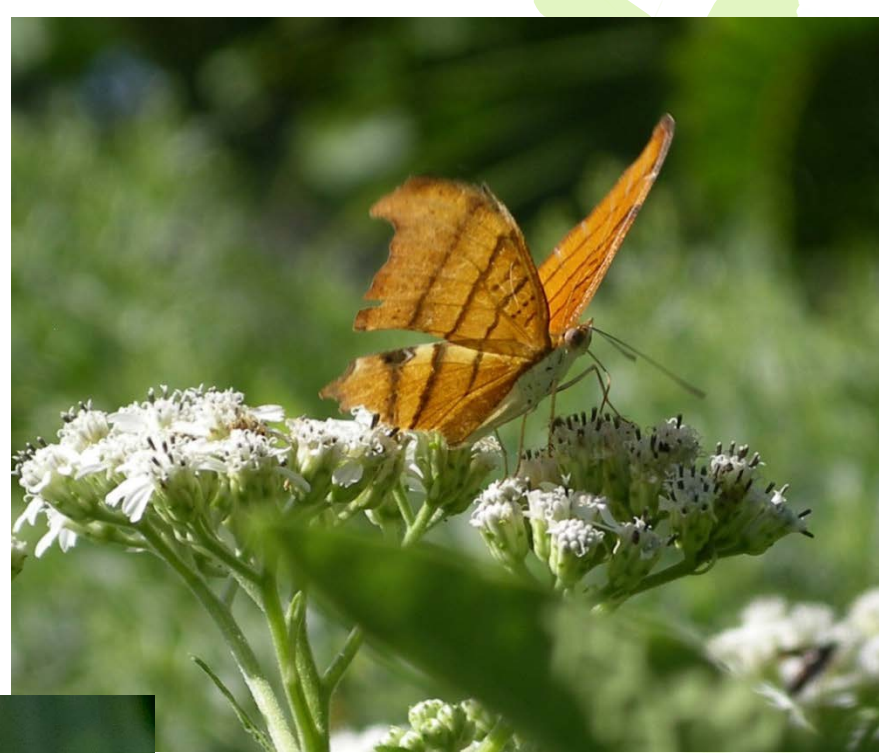


**White Peacock**



**Viceroy** - Smiley face







Gulf Fritillary



Ruddy Daggerwing

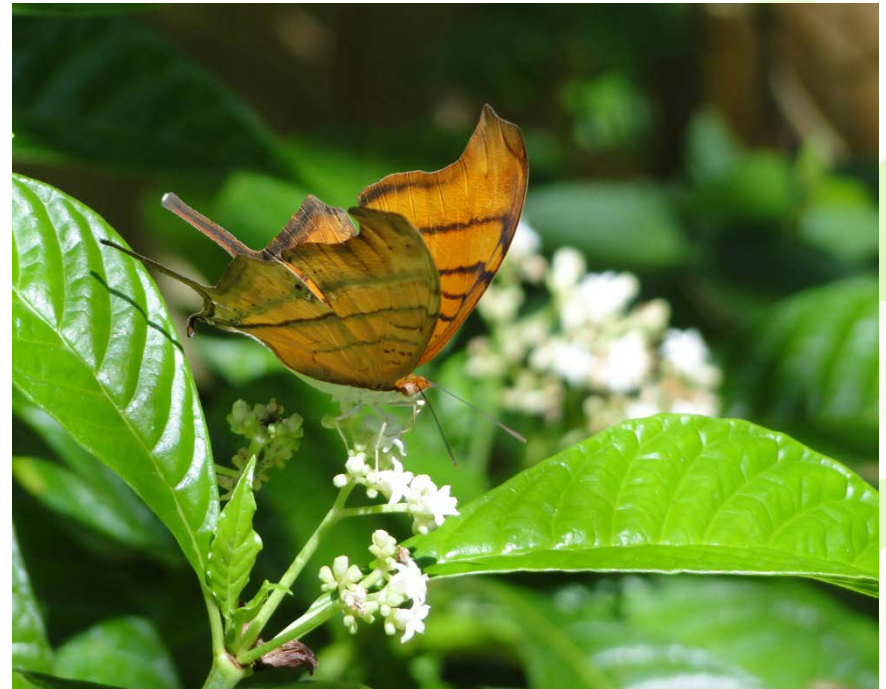


Julia Heliconian



# Ruddy Daggerwing *Marpesia petreus*

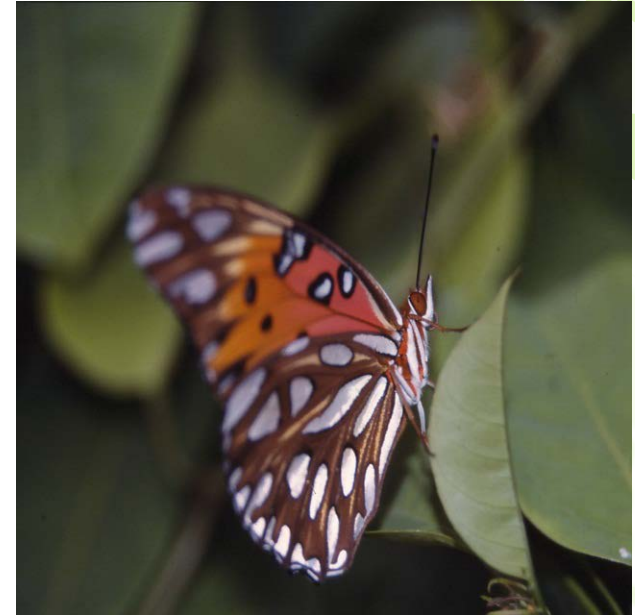
Daggerwing Nature Center  
Frenchman's Forest  
John D. MacArthur Beach State Park  
Mounts Botanical Garden  
Gumbo Limbo  
Arthur R. Marshall Loxahatchee



# Gulf Fritillary

*Agraulis vanillae*

One of Most Common Butterflies!



**Silver Underside Wing**



**Melanic  
Gulf Fritillary**



**Variegated Fritillary**



# Heliconian (Longwings)

Male



Female



## Julia Heliconian



## Zebra Heliconian

# **Buckeyes:** Blowing Rocks Preserve Gumbo Limbo MacArthur Beach State Park Home Gardens and Disturbed Areas

White Band



## **Mangrove Buckeye**

Host Plant: Black Mangrove



## **Common Buckeye**

Host Plants: Plantains, Toadflax,  
Frogfruit, Twinflower



# LYCAENIDAE FAMILY

## Blues



Cassius Blue

2 black spots on hindwing



Alana Edwards

Ceraunus Blue

Black spots on gray background  
1 hindwing eyespot

# Hairstreaks

Fulvous Hairstreak  
*Electrostrymon angelia*



Gray Hairstreak and  
Mallow Scrub-Hairstreak!!



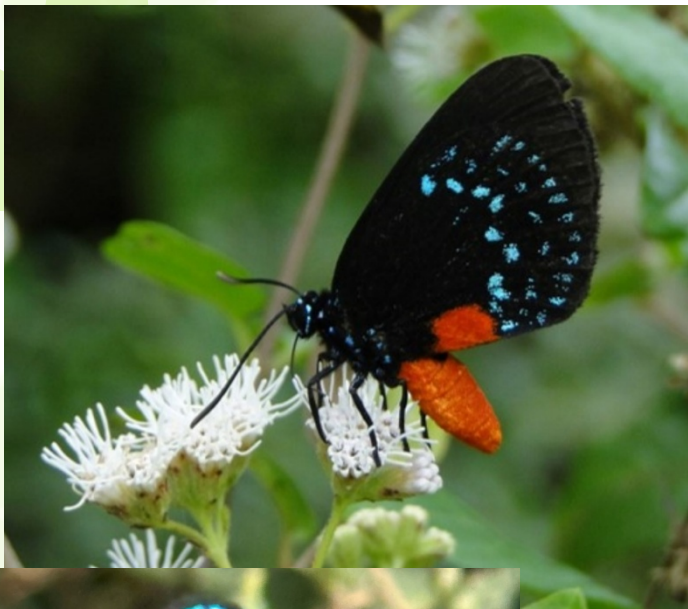
Red-Banded Hairstreak  
*Calycopis cecrops*





# Atala Hairstreak

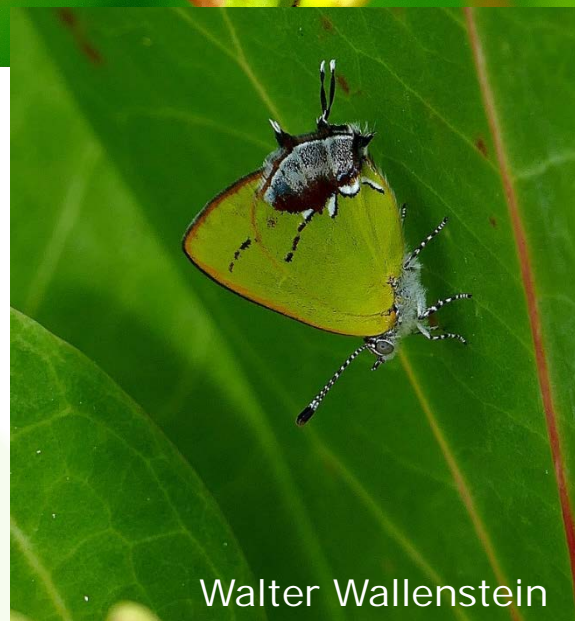
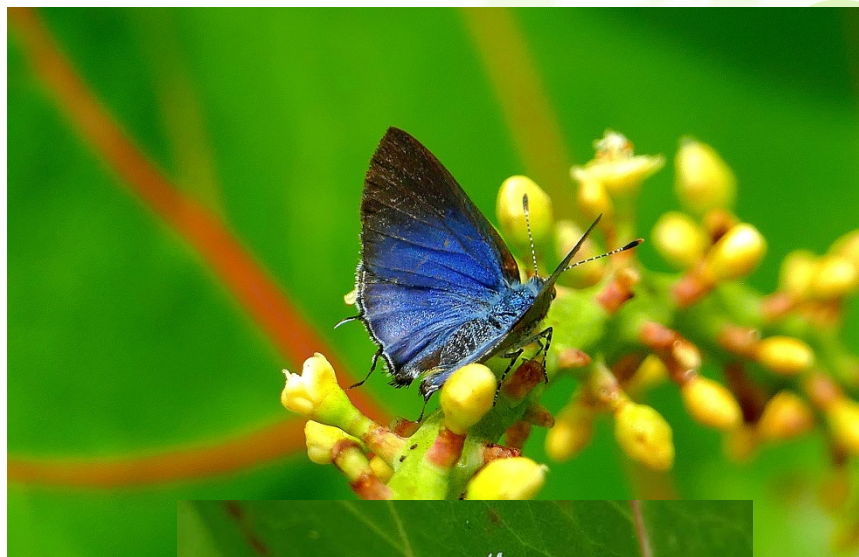
*Eumaeus atala*



Kat Rahla

# Amethyst Hairstreak

*Chlorostymon maesites*



Walter Wallenstein

Male Upper

White-M Hairstreak  
*Parrbassius m album*  
 Rarely seen in PBC



White "M" lined in black  
 White spot  
 Two pairs of tails on hindwing with one  
 pair short and one pair long  
 \*Single Red spot

Southern Oak Hairstreak  
*Satyrium favonius favonius*  
 at Juno Dunes West



White "W" lined in black  
 Two pairs of tails on hindwing with  
 one pair short and one pair long  
 \*More orange and blue



# Martial Scrub-Hairstreak at Blowing Rocks Preserve!

Host Plant: Bay Cedar



Jeff Nurge

Mallow Scrub-Hairstreak

Two pairs  
of tails



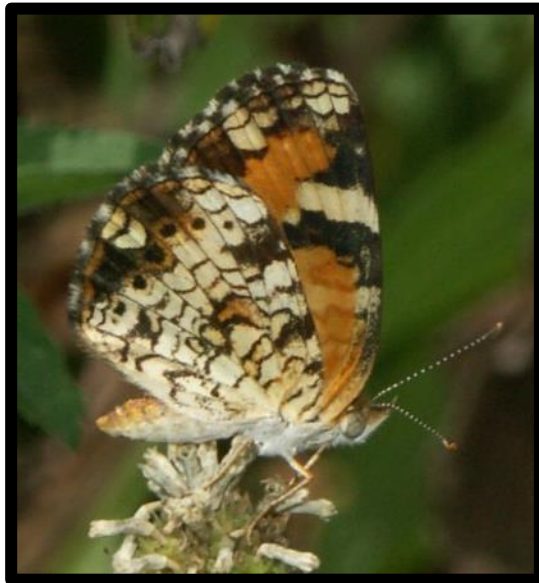
Deb Galloway

Martial Scrub-Hairstreak

# Phaon Crescent



# Pearl Crescent





# Mangrove Skipper





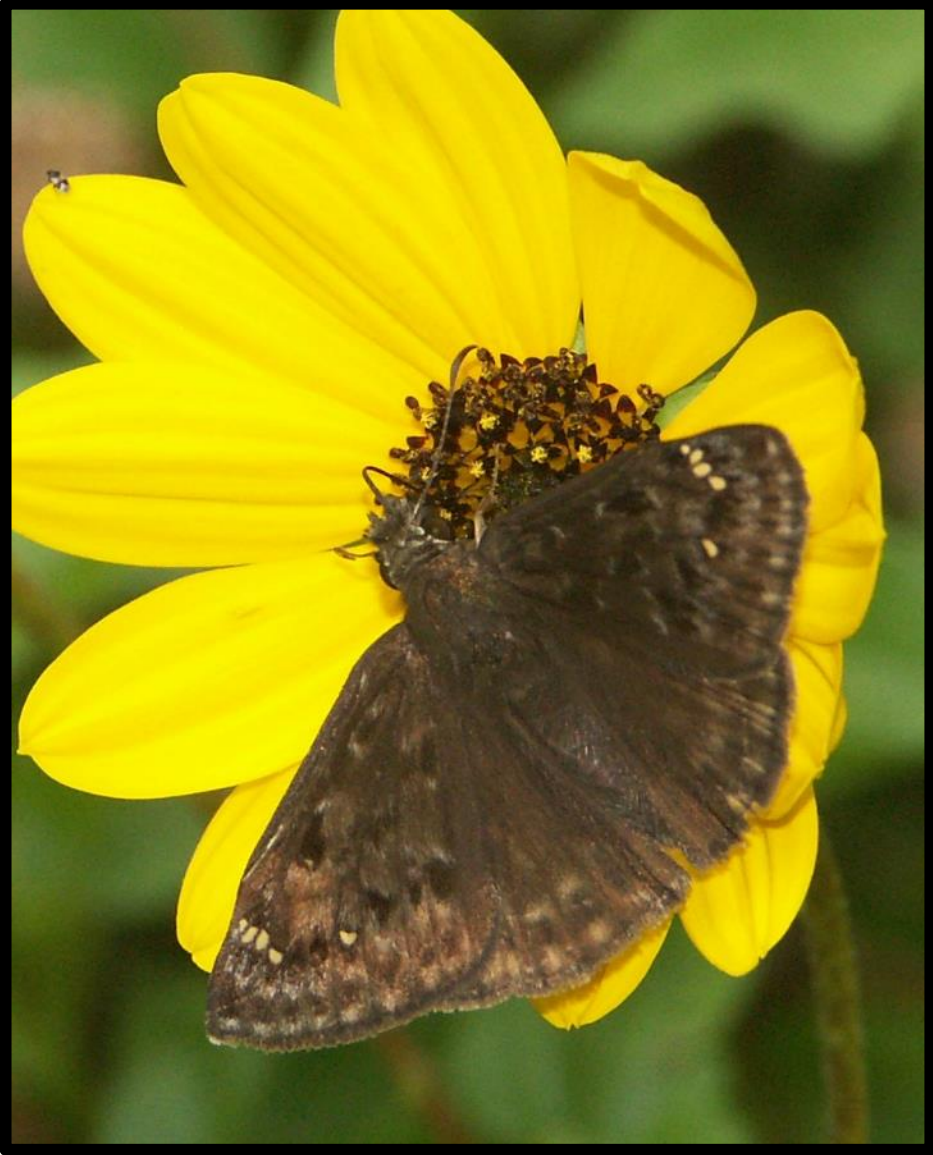
# Hammock Skipper



©2010 Will Cook



# Horace's Duskywing



Spreadwing





# Dorantes Longtail



# Long-tailed Skipper





# Tropical Checkered-Skipper Common/White Sk



White spot



Black checks evenly spaced

# Fiery Skipper



# Whirlabout Skipper



Larger Spots





# Delaware Skipper

ARM Lox

Smallest  
**Southern  
Skipperling**



Orange fringe

**Least  
Skipper**



Strong ray

Rays on veins



# Eufala Skipper



White ring  
around eye-  
short antennae

# Clouded Skipper



# Ocola Skipper



Long wings and striped abdomen

Longer  
antennae

# Three-spotted Skipper





# Monk Skipper



# Brazilian Skipper



## Palatka Skipper



Large, cinnamon brown

## Aaron's Skipper



©2006 Jeffrey Phippen

Pale ray



# Southern Broken-Dash

JDSP  
Frenchman's  
Forest  
Royal Pines



Pale band like 3

## Sachem



## **South Circle—June 14**

- ARM Loxahatchee National Wildlife Refuge
- Daggerwing Regional County Park
- Gumbo Limbo
- Home Gardens

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