



# Big Cypress National Preserve

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# History/Background

- 1978- Records begin for exotics control
- 1980s- IPM program for Melaleuca control
- 1990s- Large scale, contracted Melaleuca control
- 2003- Treatment of entire preserve (2950 sq. km.) completed for melaleuca
- Early 2000s- shift concentrated efforts to Schinus control



# Priority Plant Species

- **Priority Plants**

- Schinus terebinthifolius
- Lygodium microphyllum
- Melaleuca quinquenervia

- **Newly Detected Plant Species**

- Nymphoides cristata



# Priority Animal Species

- **Priority Animals**
  - No specific program
- **Newly Detected Animal Species**
  - Big snakes

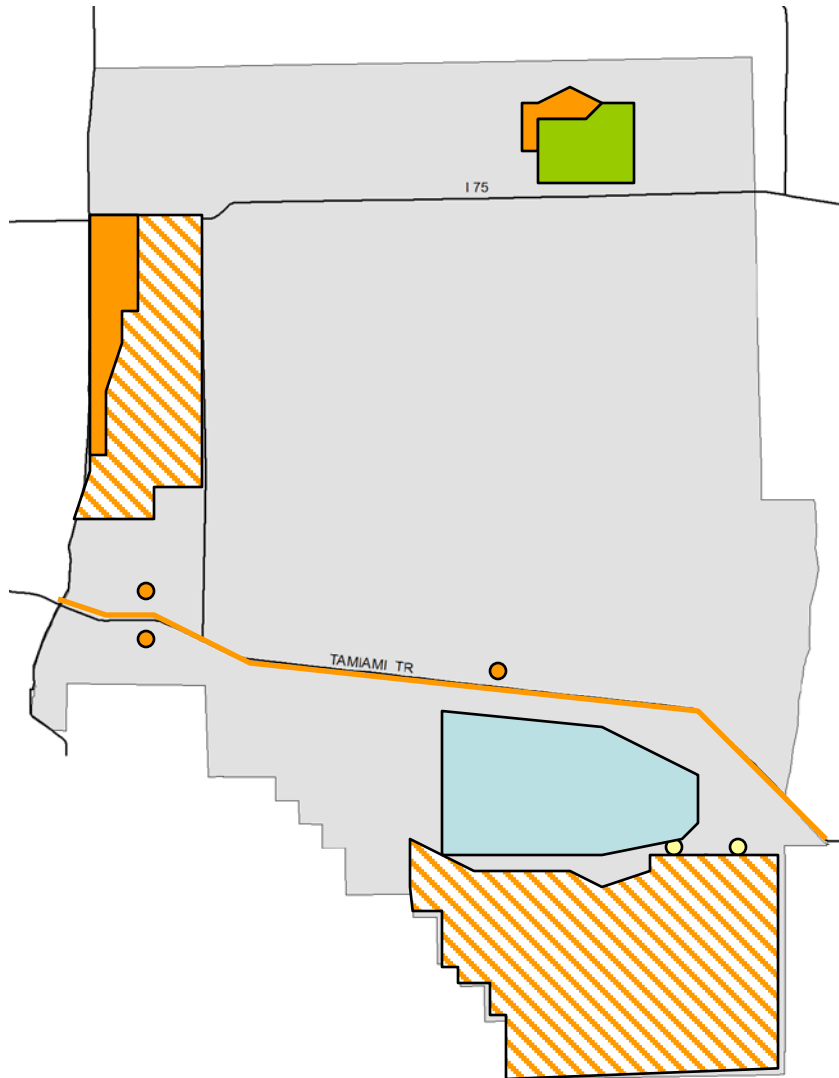







# Invasive Species Programs

- Exotic Plant Management
- Description
  - Removal and Control of Alien Vascular Plants
- Objective
  - Restoration and Maintenance of Native Biological Communities
- Partners
  - NPS Florida and Caribbean Exotic Plant Management Team
  - NPS Florida and Caribbean Small Parks Hit Squad
  - Florida Department of Environmental Protection
  - NPS Fire Management
  - USGS/BRD
  - NPS I&M Program
  - Student Conservation Association Program
- Start/End Dates
  - 1978 - present

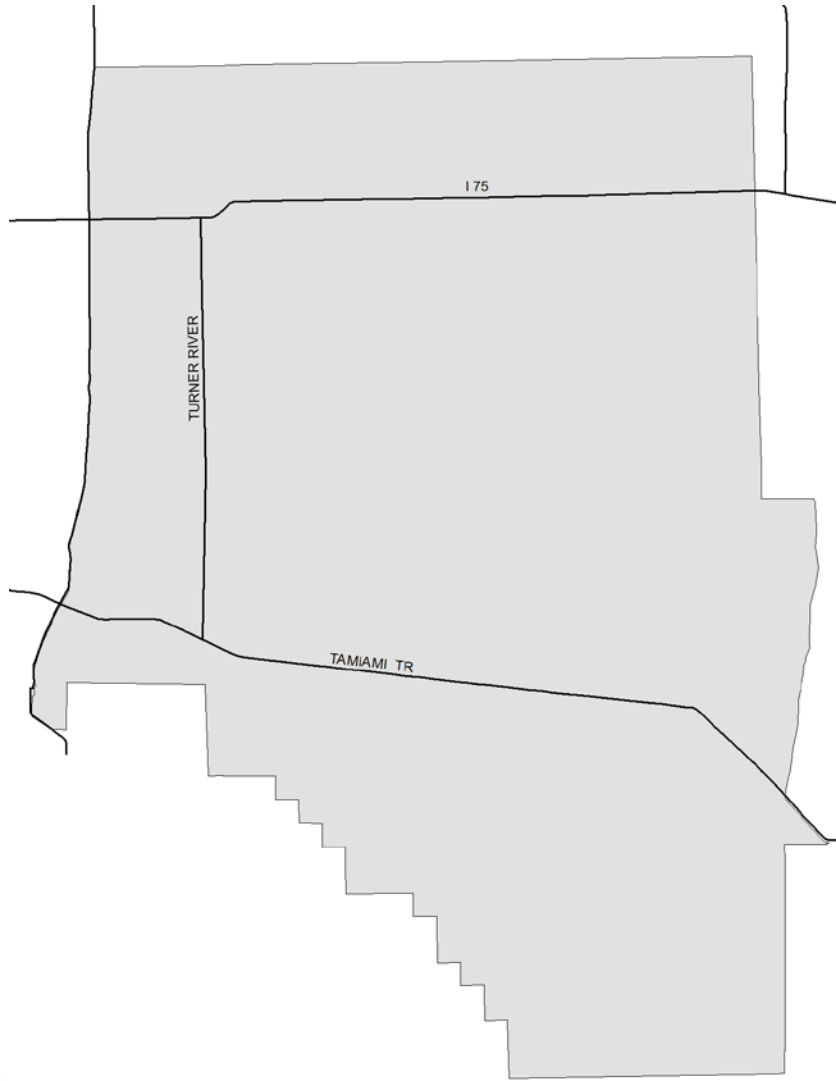


# Fiscal Year Treatments: FY 2009



-  Schinus, proposed
-  Schinus, completed
-  Melaleuca, after fire
-  Melaleuca spot treatment
-  Big grasses

# Biological Control Needs



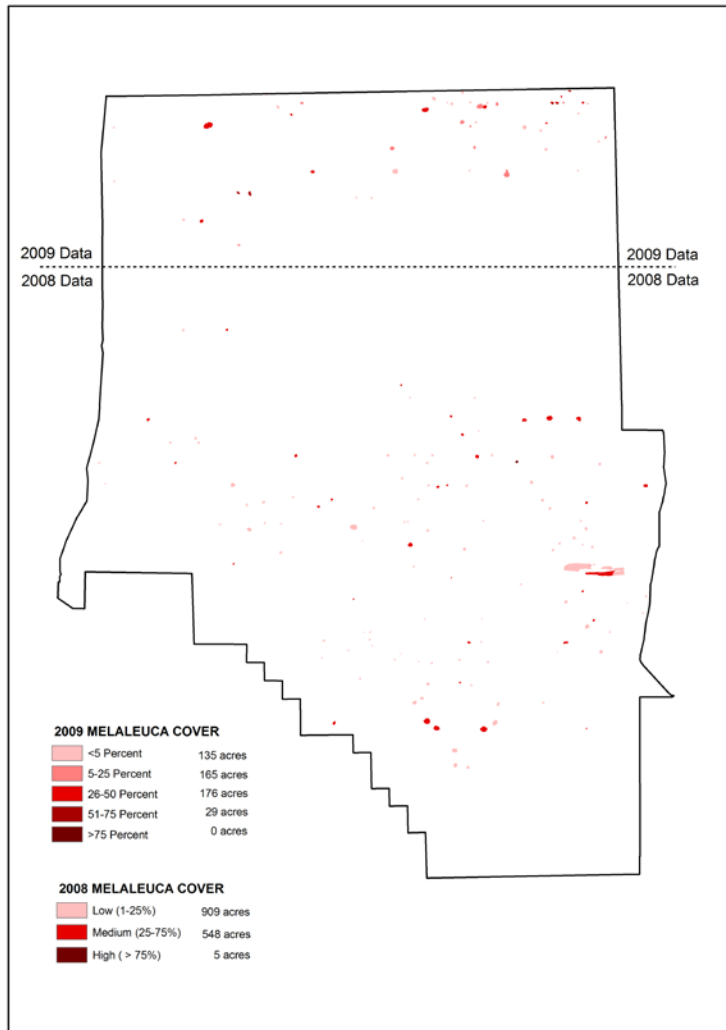
- Supplemental Biological Control
- No specific areas

# Monitoring

- Systematic Reconnaissance Flights
- Exotics sightings recorded
- ECISMA-wide Digital Aerial Sketch-Mapping (DASM)

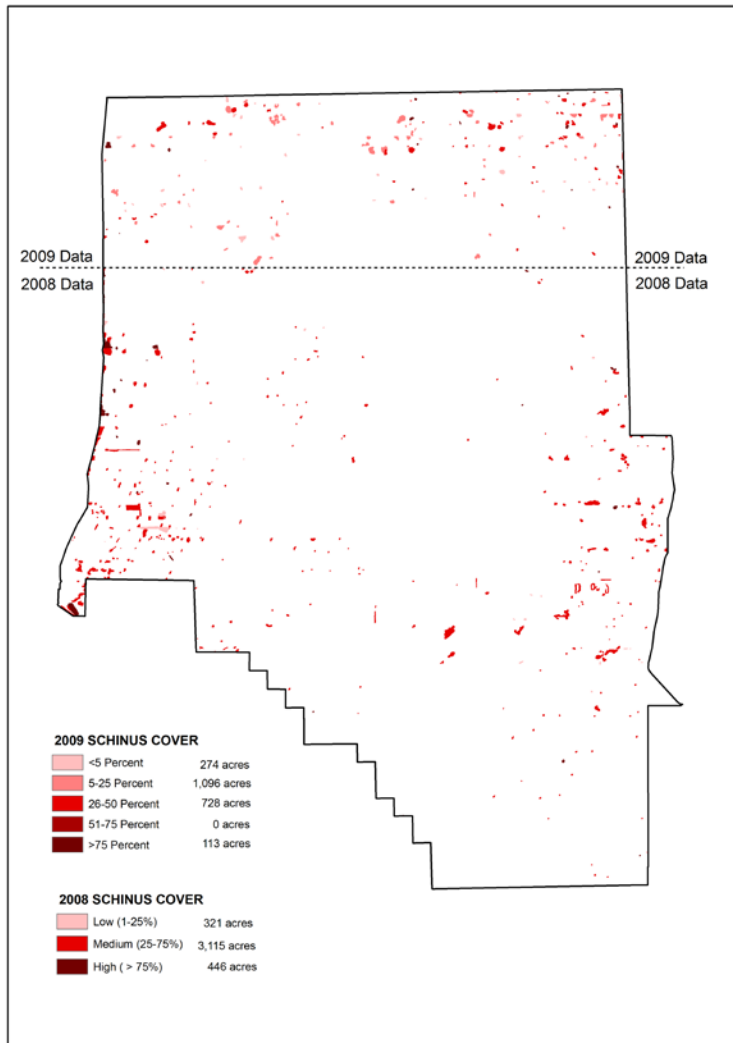


# Locations: *Melaleuca quinquenervia*



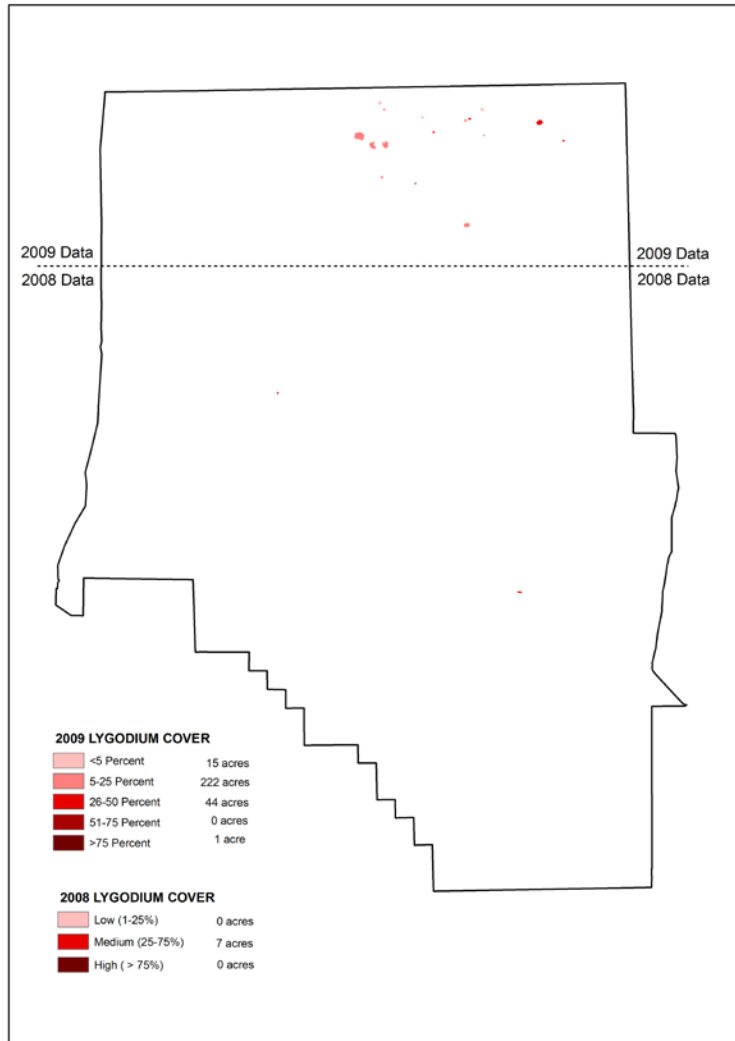
Sketchmap polygons:  
populations of  
*Melaleuca quinquenervia*

# Locations: *Schinus terebinthifolius*



Sketchmap polygons:  
populations of  
*Schinus terebinthifolius*

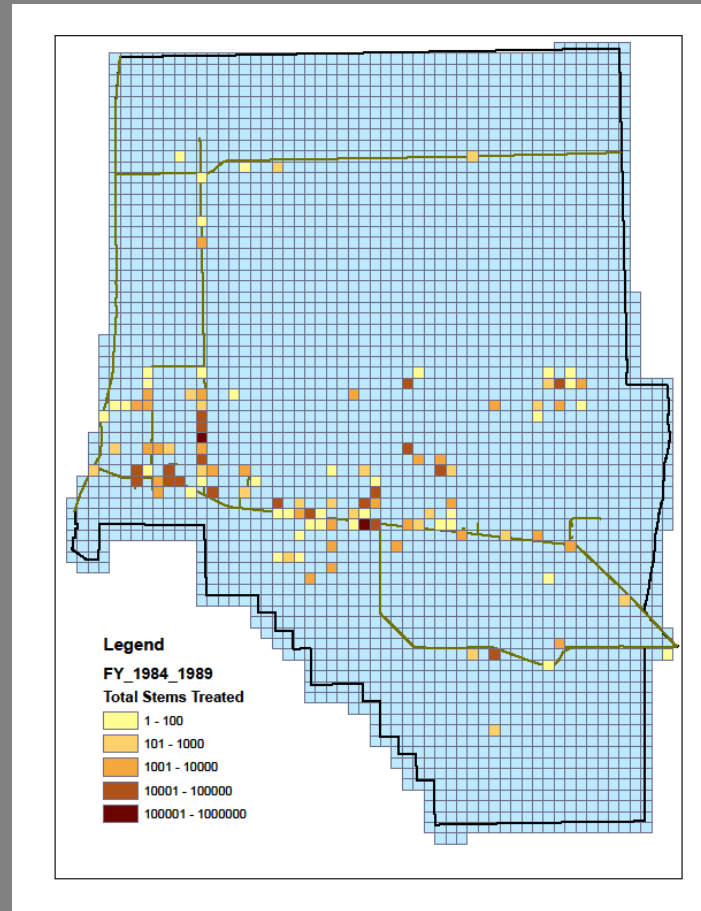
# Locations: *Lygodium microphyllum*



Sketchmap polygons:  
populations of  
*Lygodium microphyllum*

# Innovations and Successes

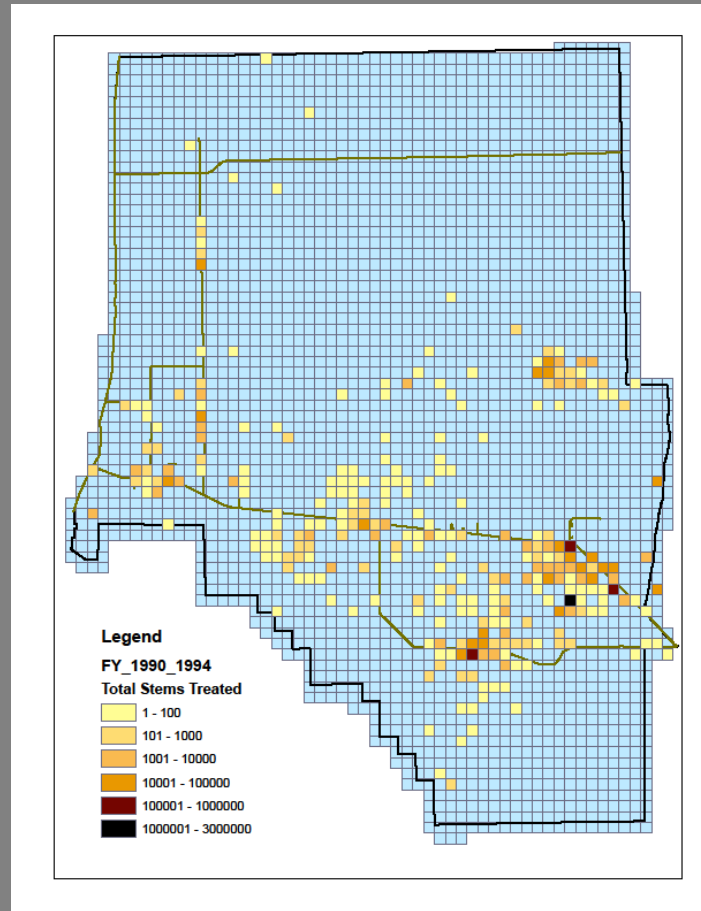
Mapping  
Historic  
Data



Melaleuca  
Treatments  
1984-1989

# Innovations and Successes

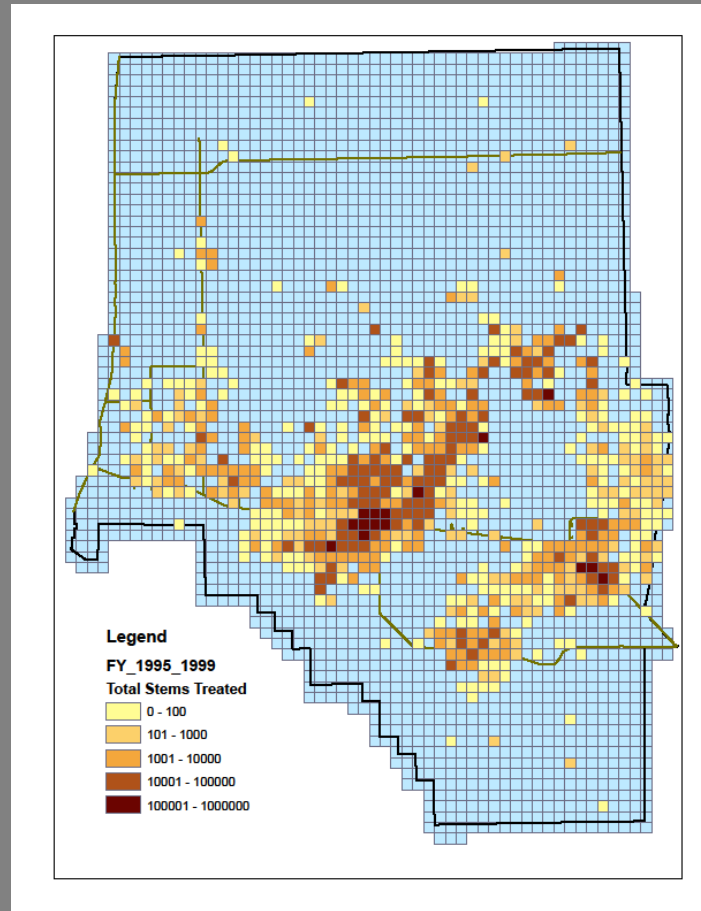
Mapping  
Historic  
Data



Melaleuca  
Treatments  
1990-1994

# Innovations and Successes

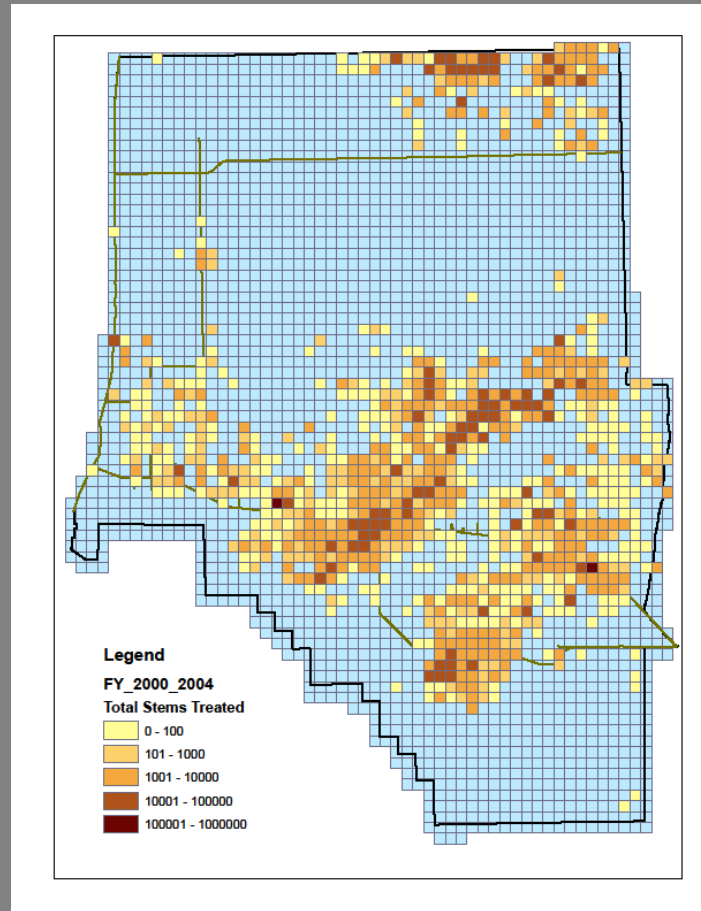
Mapping  
Historic  
Data



Melaleuca  
Treatments  
1995-1999

# Innovations and Successes

Mapping  
Historic  
Data



Melaleuca  
Treatments  
2000-2004

# Innovations and Successes



E. Raits Photo



# Innovations and Successes

