

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

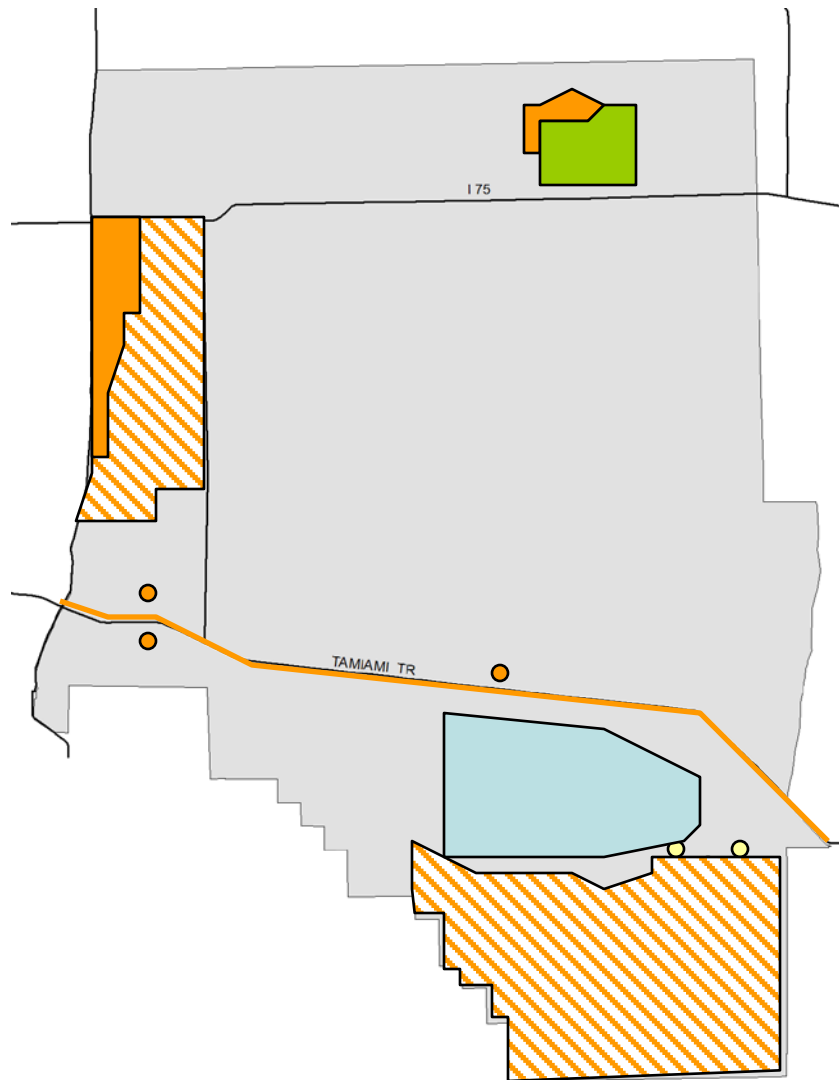
- **Priority Animals**
 - No specific program
- **Newly Detected Animal Species**
 - Big snakes



Invasive Species Programs

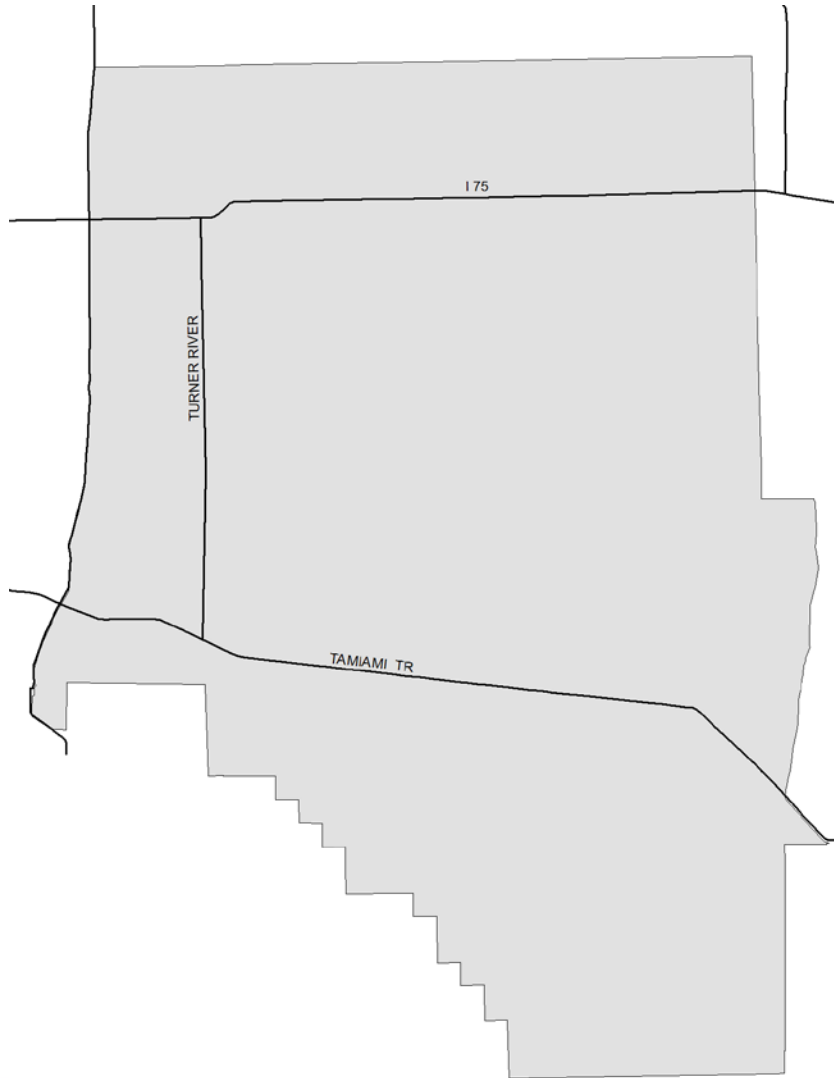
- Exotic Plant Management
- Description
 - Removal and Control of Alien Vascular Plants
- Objective
 - Restoration and Maintenance of Native Biological Communities
- Partners
 - NPS Florida and Caribbean Exotic Plant Management Team
 - NPS Florida and Caribbean Small Parks Hit Squad
 - Florida Department 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



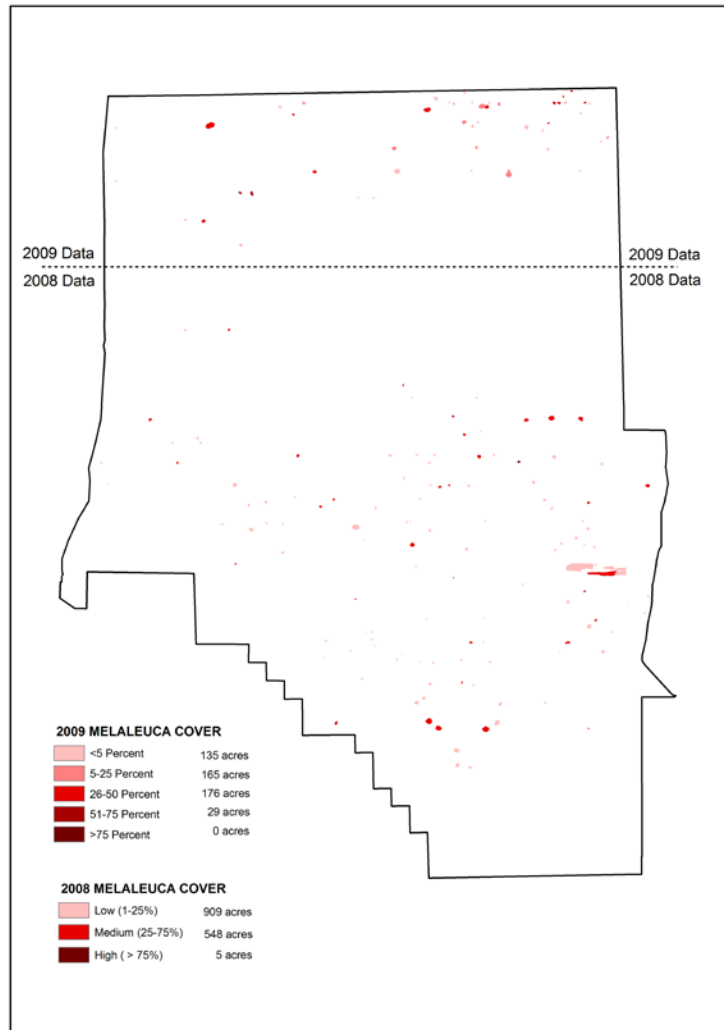
- Supplemental Biological Control
- No specific areas

Monitoring

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

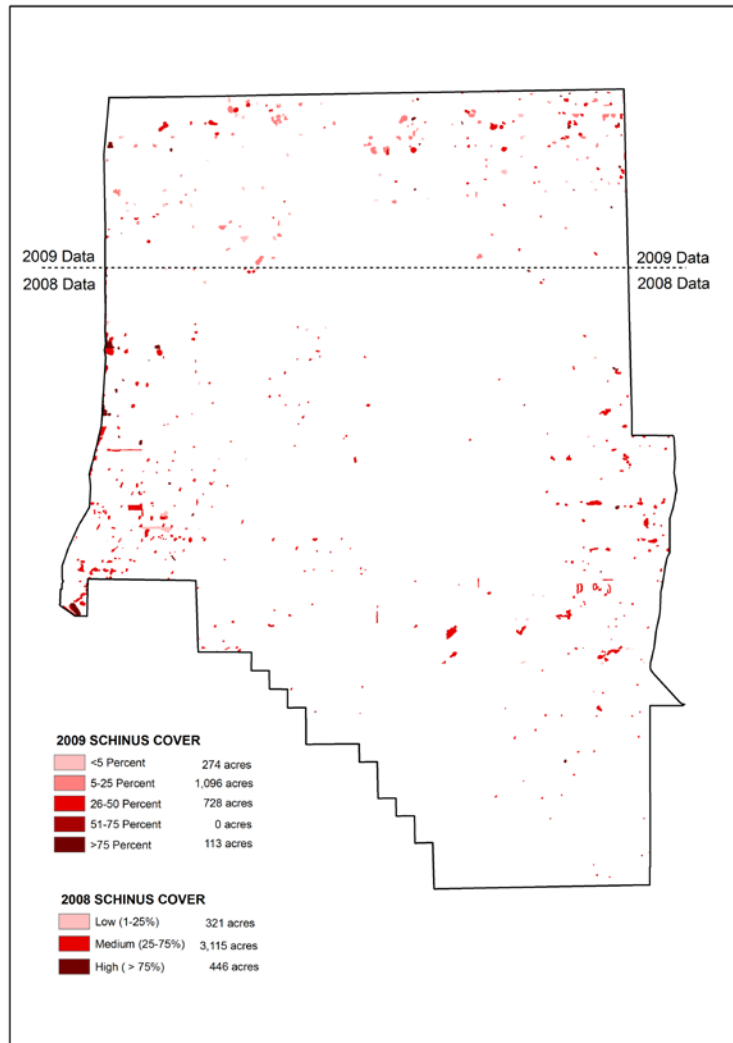


Locations: *Melaleuca quinquenervia*



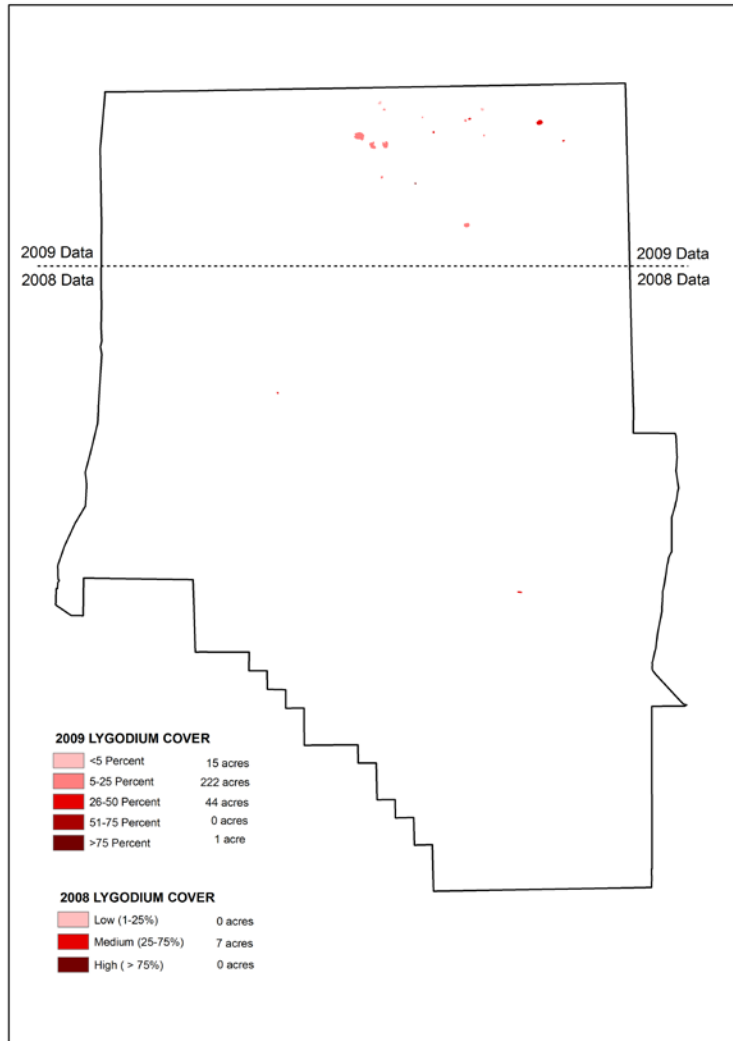
Sketchmap polygons:
populations of
Melaleuca quinquenervia

Locations: *Schinus terebinthifolius*



Sketchmap polygons:
populations of
Schinus terebinthifolius

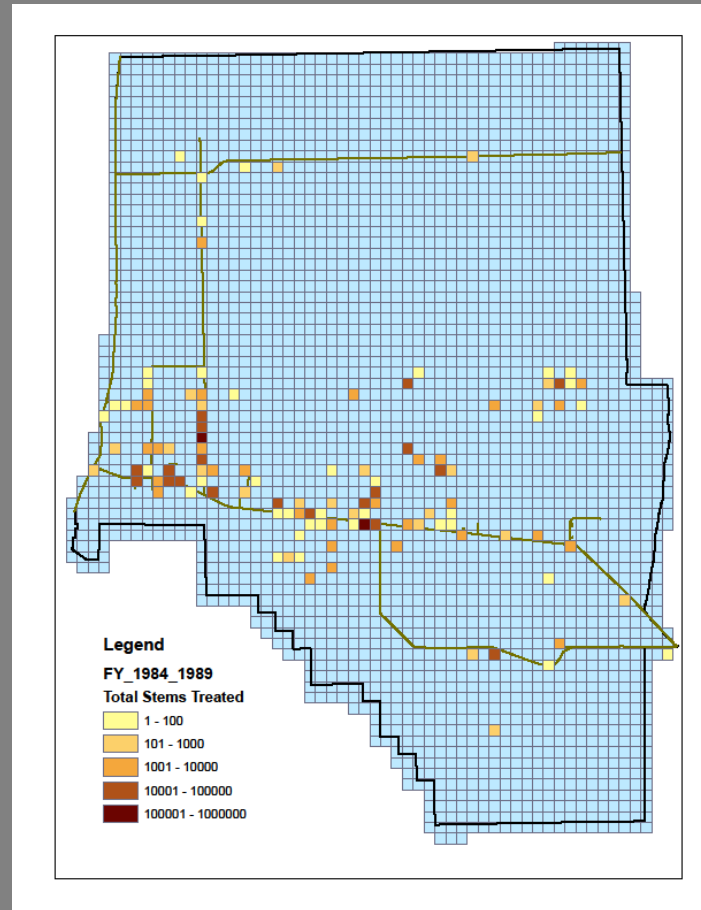
Locations: *Lygodium microphyllum*



Sketchmap polygons:
populations of
Lygodium microphyllum

Innovations and Successes

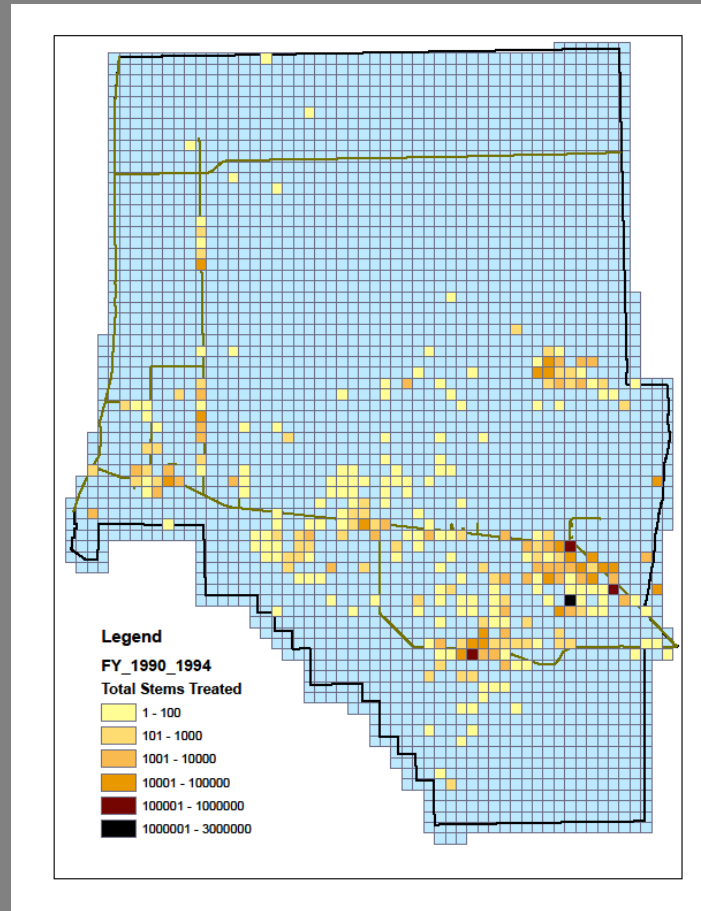
Mapping
Historic
Data



Melaleuca
Treatments
1984-1989

Innovations and Successes

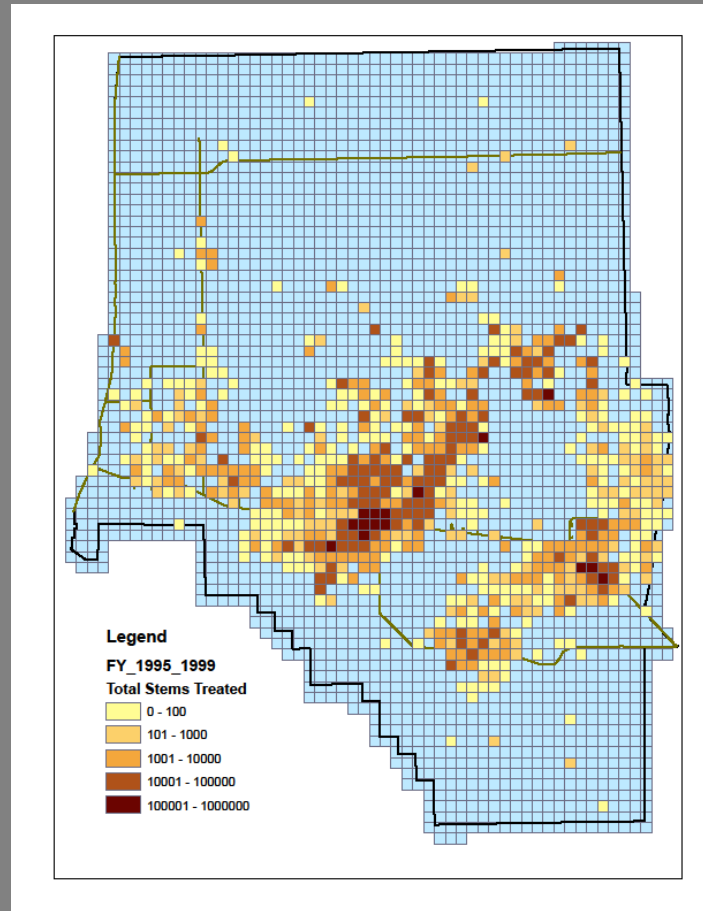
Mapping
Historic
Data



Melaleuca
Treatments
1990-1994

Innovations and Successes

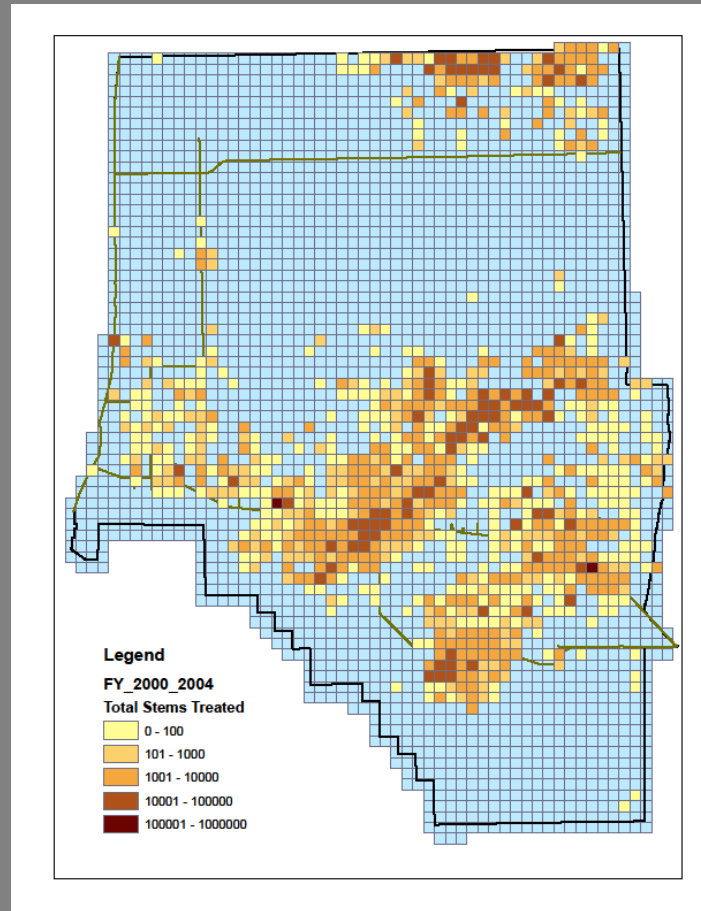
**Mapping
Historic
Data**



**Melaleuca
Treatments
1995-1999**

Innovations and Successes

**Mapping
Historic
Data**



Melaleuca
Treatments
2000-2004

Innovations and Successes





Innovations and Successes

