

# 8.5 Square Mile & Site 1

Jon Lane  
USACE



# Invasive Species Programs

- Invasive plant treatments at **8.5 sq. mile** are part of the Modified Water Delivery project, which will have a 75%/25% cost share with the SFWMD, both for initial treatment as well as long term maintenance. 1,953 acre project.
- Invasive plant treatments at **Site 1** are part of the CERP and have a 50%/50% cost share with the SFWMD , both for initial treatment as well as long term maintenance. 1,800 acre project.

# Priority Plant Species

- **Priority Plants**

- Melaleuca, Brazilian Pepper, Australian Pine and Lygodium

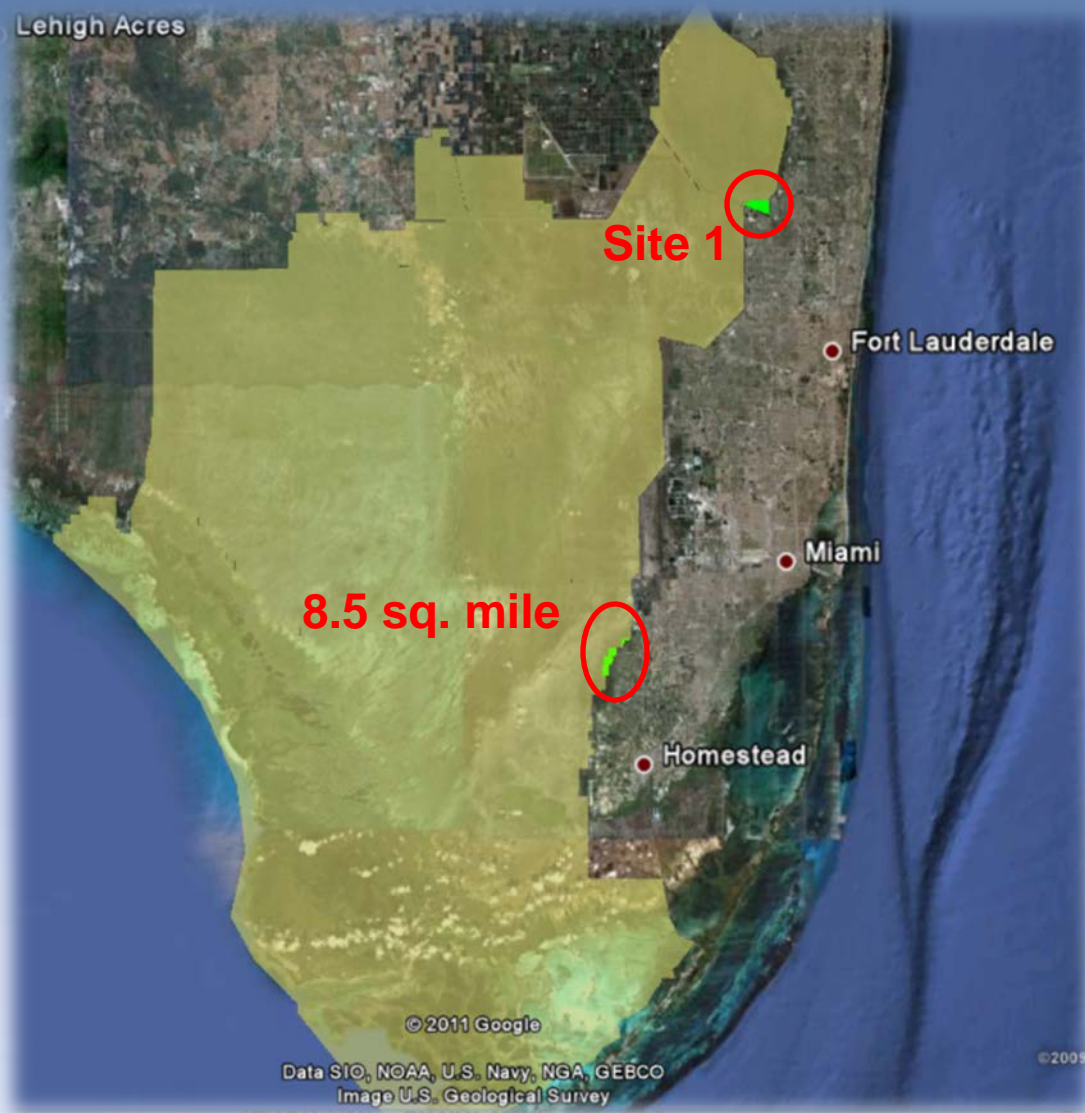
- **Newly Detected Plant Species**

- Luziola (kinda new - 8.5sq. mile only)

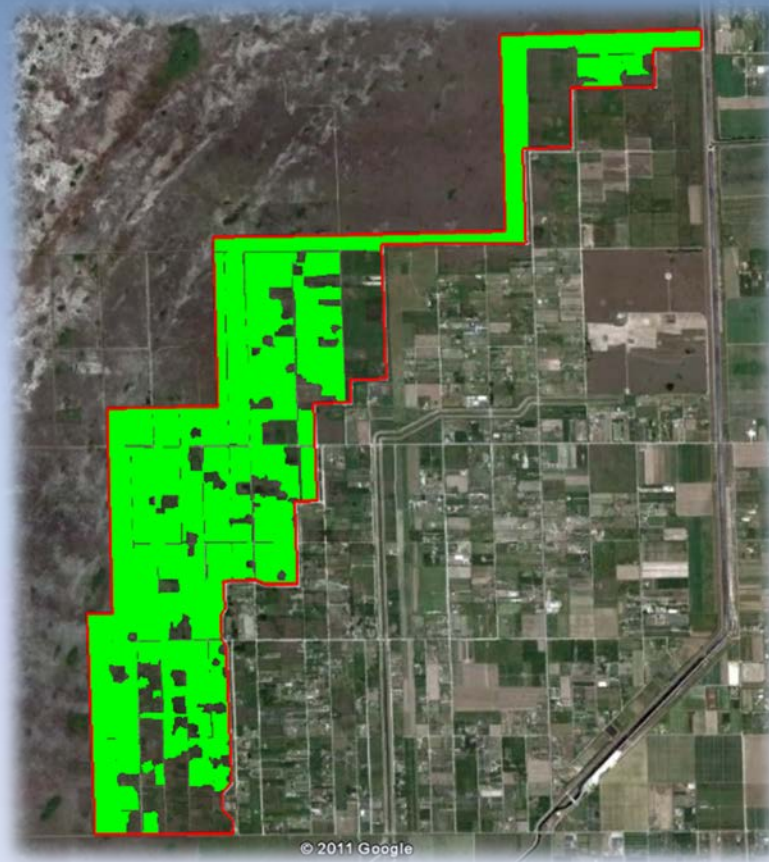
# Priority Animal Species

- **Priority Animals**
  - None (Not Authorized!!!)
- **Newly Detected Animal Species**
  - Python in 8.5

# Location Map



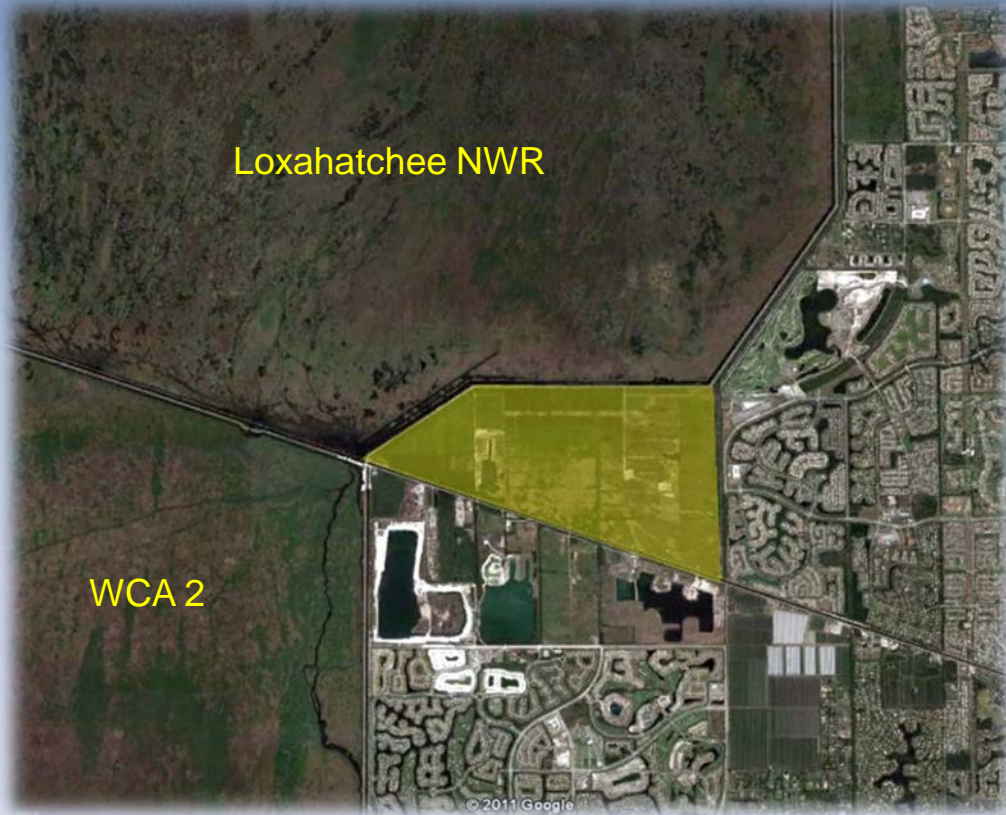
# Fiscal Year Treatments 8.5 sq. mile: FY10



 Treatment Area

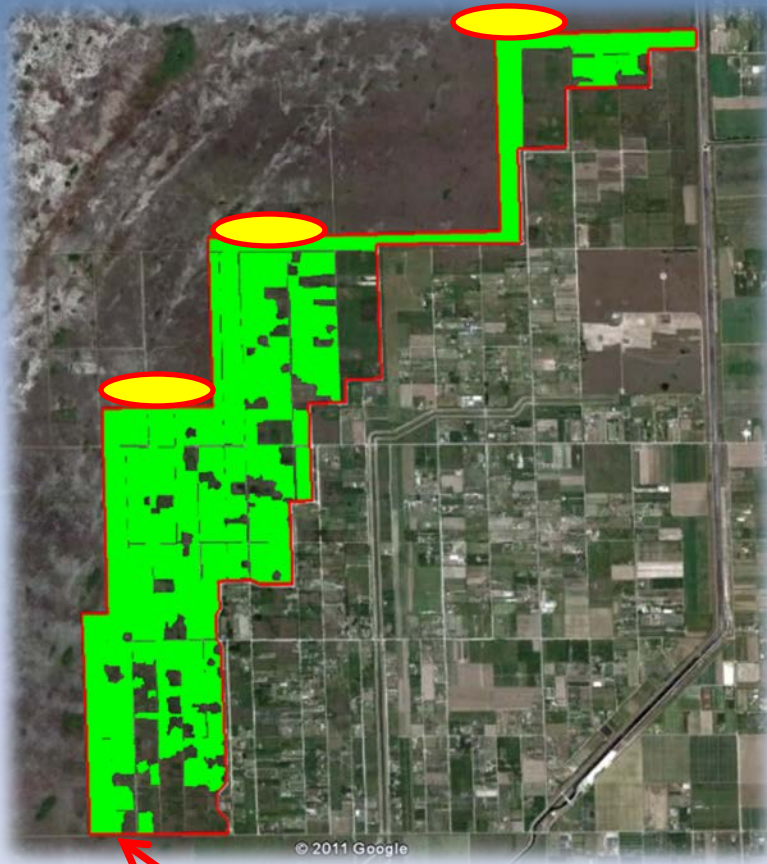
- 5/09 – 10/09 – treated 1,433 acres
- All non-treated area is considered to be disturbed and will need to be scraped (i.e. Hole-in-the-Donut). 474 acres

## Fiscal Year Treatments Site 1: FY11



- Initiated treatment on September 2010
- 462 acres of dense non-native invasive vegetation
- \$\$ for next phase of treatments are on hold pending SFWMD concurrence.

# Planned Treatments 8.5 sq. mile: FY11



Mechanical Removal Area



Initial Treatment Area



Follow-up Treatment Area

- Follow up treatment on 1433 acres
- Initial Treatment on 180 acres
- 4.8 acres mechanical removal of Australian pine

# Contract Monitoring



# Innovations and Successes

- Decontamination of own equipment and contractor equipment should have been a requirement for the project. *Luziola subintegra* was found in a small area on the project. The plant had only been found previously at Lake Okeechobee. As a result, we incorporated decontamination specifications into our next invasive species removal project, Site 1 Impoundment Project which is a Comprehensive Everglades Restoration Project. This was the first project for the Jacksonville District that included the decontamination specifications.

## Wrap Up Slide

- The Corps is slowly moving in the right direction with respect to invasive plant control
- Still NO ability to address invasive animals
- Decontamination – All Corps CERP projects will address decontamination in the Environmental Protection section called: "Prevention of Invasive Species Transfer".