

Operations Sub-Committee

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Operations Sub-committee Goals

- Promote **information exchange** related to control and monitoring of invasive plants and animals
- Promote **consistency in operations** and monitoring efforts
- Organize and seek funding for **collaborative projects**



2008-9 ECISMA Work Plan

- Based on input from Summit attendees
- Tasks assigned to each Sub-committee
 - Operations
 - Research
 - Outreach
 - Early Detection/Rapid Repsonse



Highlights of 2009 Accomplishments

Operations Sub-Committee

- Monitoring
 - Region-wide Sketch Mapping
- Information Management
 - WEEDDAR
- Biological Control
 - Regional release strategy
 - Tracking & protecting release locations
- Collaboration
 - ECISMA Workdays



Regional Assessments

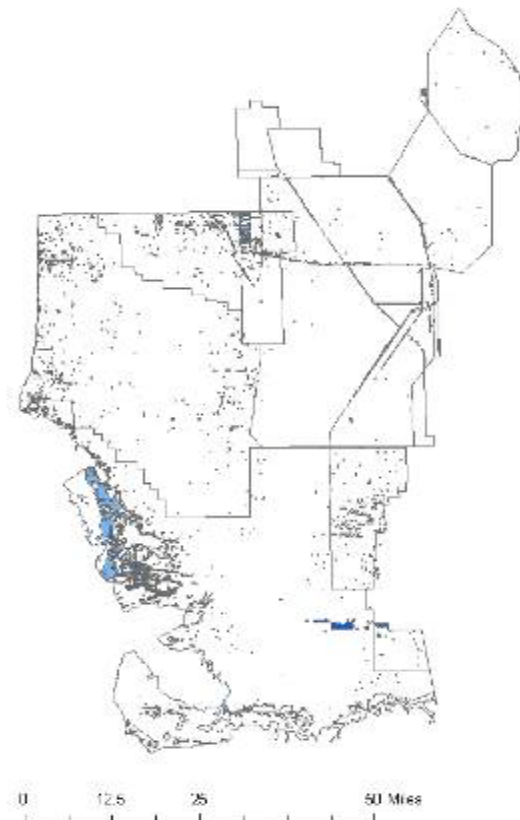
TASK: Complete digital aerial sketch map and analysis of invasive plant distributions in northern half of ECISMA



Digital Aerial Sketch Mapping

Legend

- schinus_high (12,853 acres)
- schinus_medium (42,021 acres)
- schinus_low (2,790 acres)



Digital Aerial Sketch Mapping

- 2009 mapping
 - Holeyland & Rotenburger WMA's
 - Loxahatchee NWR
 - Big Cypress Reservation
- & Northern ½ of:
 - WCA 2 & 3
 - Miccosukee Reservation
 - Big Cypress Preserve
- Revised percent cover categories
 - <5, 5-25, 26-50, 51-75, >75
- 2009 Cost: \$39,000 (*SFWMD*)
- Ground truthing in September
 - Seeking support from land managers



Information Management

TASK: Make WEEDDAR available to partners through CERPZone

- WEED Data And Reporting database now available to registered users of CERPZone.org
- Currently utilized by the SFWMD, USFWS, USACE, and USNPS
 - Contractors for these agencies now trained and entering data
- Still developing customized reports to meet individual program reporting requirements.

The screenshot displays the 'SFWM WEEDAR Application' window. The title bar indicates the application name and standard window controls. The menu bar includes 'Action', 'Edit', 'Query', 'Block', 'Record', 'Field', 'Help', 'Menu', 'System Administrator', and 'Window'. The main content area is titled 'Weed Work Order' and contains several input fields: 'Header Id', 'Agency', 'Work Order No', 'Funding Source', 'Work Date', 'Tracking No', 'Water body', 'Asst Id', and 'Org'. Below these fields is a 'Vegetation' section with a table. The table has columns: 'Detail Id', 'Vegetation Symbol', 'Tst Method', 'Radius (or feet)', 'Acreage', 'Cov Zone', 'Existing', 'Nothring', 'Comments', and 'Daily Activity / Windspend'. The table contains one row with yellow and blue cells. Below the table are tabs for 'Herbicide Treatment', 'Contractor Data', 'Vehicle Info', 'Chemicals', and 'Agency resource'. The 'Chemicals' tab is active, showing a table with columns: 'Chem Spray Id', 'Chemical Name', 'Rate Per Acre Qty', 'Rate Per Acre Unit', 'Agency Qty', 'Agency Unit', 'Contractor Qty', 'Contractor Unit', and 'Contractor Price'. At the bottom, there are buttons for 'Remove Work Order' and 'Run Details Report'.

Information Management

TASK: Enter program data presented during the 2008 Summit into ECOSTEMS.

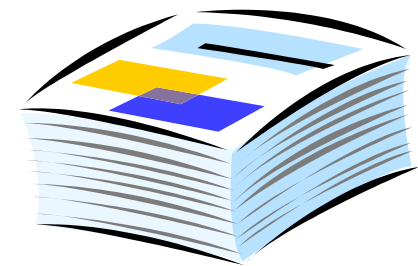
- Summit template developed in 2008 to ensure consistent reporting.
- Designed to collect information needed for the invasive species management tracking database, ECOSTEMS.
 - Still working on entering data



Information Management

TASK: Complete annual report for the Everglades CISMA.

- Steering committee to prepare annual report outlining accomplishments
 - Utilizing Summit updates
- Report will be posted on the CISMA website.



Biological Control

TASK: Prioritize locations for biological control agent releases.

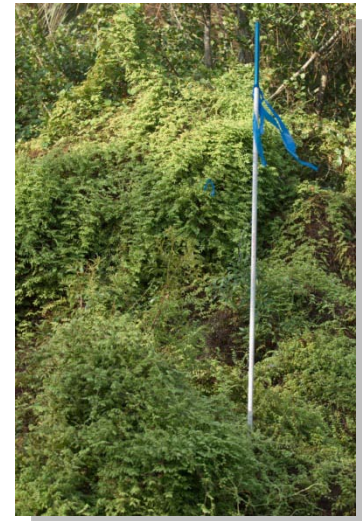
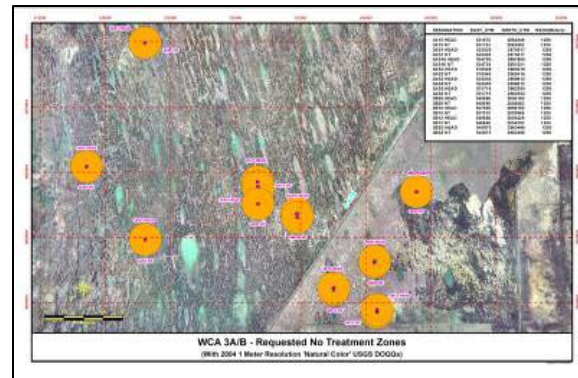
- Release location criteria circulated to land managers
- Sites identified during operational updates
- Requests will be forwarded to USDA and/or UF



Biological Control

TASK: Standardize methods for protecting biological control research sites on managed lands.

- Proposed marking system developed by *Anthony Boughton*, USDA
- “No-treatment” mapping system for contractors
- Future goal: Promote regional standard for marking system and no-treatment database



Collaboration

TASK: Work with partners and cooperators to implement invasive species work days.

- *Lumnitzera racemosa* (Combretaceae)
- Common name: Kripa
- Native range extends from eastern Africa to Western Pacific
- Related to white mangrove and buttonwood
- Planted at Fairchild TBG in late 1960's
- Eventually spread to adjacent mangrove...
- ...is now behaving badly



ECISMA Workday(s)

- ECISMA & Fairchild Tropical Botanic Gardens conducted three volunteer work days
- Attended by more than 50 ECISMA volunteers



It's Hard Work...



ECISMA Volunteers

ECISMA Workday (s)

- Kripa removed from 6 acres
- 9 acres of dense infestation remain



Collaboration

TASK: Identify funding opportunities.



- Submitted proposal for Pulling Together Grant
- Collaboration between ECISMA and Fairchild TBG
- Project Objective: **Eradicate** *Lumnitzera racemosa* from Fairchild and Matheson Hammock & develop outreach materials for continued EDRR



Proposed Activities for 2009-10

1. Contractor SOP
2. Kripa Eradication Grant
3. Map Weeds in ECISMA (*south*)
4. Ground Truth DASM data
5. Fence Line Project (e.g., *Tamiami Trail Brazilian Pepper project*)
6. Promote region-wide “no-treatment” database
7. GIS tools for invasive plant contractors
8. ECISMA Training
 - a. *WEEDDAR*
 - b. *Sketchmapping*
 - c. *Treatment Mapping with GPS*

