

South Florida Ecosystem Restoration Task Force

The Noxious Exotic Weed Task Team (NEWTT) & Florida Invasive Animal Task Team (FIATT) Updates

January 20, 2006

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NEWTT Co-Chair



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New Developments

- NEWTT & FIATT are holding joint meetings
- NEWTT & FIATT members are directly participating in other invasive species planning venues to improve communication and coordination (SFWMD Environmental Report, Everglades Summit, NISC, TAME Melaleuca, CERP Master Plan Development, CERP Bio-control Program, etc.)
- National Invasive Species Council – SF Regional 2008 Cross-cut budget development
- CERP Exotic Species Projects
 - CERP Invasive Exotic Plant Special Report & Recommendations
 - CERP Exotic Species Master Plan
 - CERP Exotic Species Bio-control Program
- WWW.ECOSTEMS.ORG DEVELOPMENT



National Invasive Species Council (NISC) South Florida Crosscut Budget Initiative

- Several Federal Departments (DOI, NOAA, USACE, USDA, EPA) and the State of Florida (invited).
- Initiative will potentially include:
 - Specific Species (all taxa)
 - Information Systems
 - Research, Monitoring & Management activities
- Initiative will provide performance measures across agencies
- Initiative will help coordinate expenditures & activities for invasive exotic species



CERP Invasive Exotic Species

- Special Report on Invasive Exotic Plants (based on NEWTT Weeds Won't Wait) (signed November 2005)
 - RECOMMENDATIONS
 - Develop and Implement all taxa invasive exotic species pilot study (2006 – 2008), leading too:
 - Development of an Master Invasive Species Plan (MISP) for Everglades Restoration (2008)
- Bio-control Program PIR & PMP(2006)



South Florida Ecosystem Restoration Task Force

NOVEMBER 2005

EXOTIC AND INVASIVE SPECIES MANAGEMENT



FINAL SPECIAL RECONNAISSANCE REPORT COMPREHENSIVE EVERGLADES RESTORATION PLAN (CERP)



US Army Corps
of Engineers
Jacksonville District
South Atlantic Division

TABLE OF CONTENTS

1. Background	1
2. Study Authority	1
3. Study Purpose	2
4. Location / Study Area Maps	5
5. Discussion of Prior Studies, Projects and Reports	6
5.1 Prior Federal Studies and Reports	6
5.2 Prior Studies and Reports by State Agencies and Others	8
5.3 Existing Federal Projects in the South Florida Ecosystem Restoration Task Force Comprehensive Project List	10
5.4 Existing Non-Federal Projects (as listed in the SFERTF Comprehensive Project List)	11
6. Problem Statement	11
7. Opportunities	16
8. Planning Objectives	16
9. Study Constraints	16
10. Existing Conditions	18
11. Future Without Project Conditions	21
12. Preliminary Alternatives	27
13. Evaluation of Alternatives	30
14. Environmental Considerations	33
14.1 Status of Exotics in South Florida	33
14.2 Environmental Impact	35
14.3 An Invasive Control Success Story	36
14.4 Fish and Wildlife Resources	39
14.5 Threatened and Endangered Species	40
14.6 Potential Benefits	40
15. Economic Analysis	43
16. Local Sponsor and Preliminary Financial Analysis	48
17. Potential Issues Affecting Initiation of Recommended Actions	48
18. Views of Other Resource Agencies	48
19. Recommendations	48



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- **WHAT IS ECOSTEMS?**

ECOSTEMS IS A COMPREHENSIVE INTERNET ACCESSIBLE **DATABASE** , **TRACKING SYSTEM** AND **SEARCH ENGINE** FOR IMPLEMENTING THE INVASIVE EXOTIC PLANT MANAGEMENT AND CONTROL STRATEGY DEVELOPED BY THE NOXIOUS EXOTIC WEED TASK TEAM



WHAT DOES ECOSTEMS DO?

ECOSTEMS tracks program tasks related to the work being done by the many agencies in Florida involved in invasive exotic plant management.

ECOSTEMS is **NOT** a project management system.



WHAT IS ECOSTEMS FOR?

- **ECOSTEMS** is intended for use by the agencies working with the South Florida Ecosystem Restoration Task Force on Everglades Restoration to input, track and update their invasive exotic plant project information.
- **ECOSTEMS** is fully searchable and can save individualized searches for use in agency reports.



South Florida Ecosystem Restoration Task Force

ECOSTEMS WAS DEVELOPED USING ONLY OPEN SOURCE SOFTWARE

FREEFREEFREEFREEFREE

LINUX – Operating System

MYSQL – DATABASE

APACHE – WEB SERVER

PHP – CODING SOFTWARE



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STEMS

- ECOSTEMS IS THE VESSEL THAT HOLDS THE INFORMATION
- STEMS IS THE INVASIVE EXOTIC PLANT INFORMATION IN ECOSTEMS
- WE CAN ADD MANY OTHER INFORMATION ELEMENTS TO ECOSTEMS
 - INVASIVE ANIMAL DATA (LIMBS, TAILS, TOENAILS, ?)
 - NATIONAL INVASIVE SPECIES COUNCIL SOUTH FLORIDA CROSS-CUT BUDGET INFORMATION
 - SF ECOSYSTEM RESTORATION TASK FORCE PROJECT INFORMATION AND INTEGRATED BUDGET



**ECOSTEMS IS COMPLETELY
PORTABLE FOR USE IN
TRACKING INFORMATION FOR
OTHER PROJECTS OR
PROGRAMS**





About STEMS

The System for Tracking Ecological Management Staff

What is STEMS?

STEMS is a comprehensive, internet-accessible database and tracking system for implementing the invasive exotic plant management and control strategy developed by the Noxious Exotic Weed Task Team for south Florida ecosystem restoration.

What does STEMS do?

STEMS tracks program tasks related to the work being done by the many agencies in Florida involved in invasive exotic plant management in the South Florida Ecosystem Restoration Program. STEMS is not a project management system. This web-based data and tracking system has been developed to help the many agencies and organizations involved in South Florida Ecosystem Restoration coordinate their activities and implement the invasive exotic plant management strategy from "Weeds Won't Wait"—the comprehensive report on invasive exotic species and the threats they pose to Florida and Everglades Restoration that was developed by the Noxious Exotic Weed Task Team.

What is STEMS for?

STEMS is intended for use by the agencies working with the South Florida Ecosystem Task Force on Everglades Restoration to input, track and update their invasive exotic plant project information. This includes a description and title of each task, dates, funding levels by fiscal



STEMS Latest Advancements

STEMS Development News

[05/07/2004] [STEMS Search Engine Beta Released](#) **NEW**

The Beta version of the STEMS search engine has been released. The search engine allows for categorical, keyword, or mixed searches. Categories include Organization, Personnel, and Species. Further narrowing can be done by status code, area, tracking ID, or total sponsorship.

Many more searching functions are to come. Some in-progress changes include viewing total contribution by a particular organization, and narrowing results by an organization's relationship to the task (i.e. 'lead', 'sponsor', etc.).

To search for tasks, click on 'Data Search' on the top navigation bar.

[04/26/2004] [Row highlighting and Editing Features added](#) **NEW**

In order to make task and personnel maintenance easier, row highlighting and editing features have been added throughout the STEMS site.

Holding the mouse pointer over a clickable row in any table in the site, will result in that row being highlighted. If the row highlights, then clicking on it will allow you to either view or edit the data in the row depending upon where you are in the site.

[02/26/04] [STEMS Beta Development Effort Nearing Completion](#)



Keyword Search

Find Tasks By...

Organization

Relationship

Organization

Person

Species

Scientific Name Common name

Narrow search results by...

Status Code

- assigned unassigned
- removed postponed
- completed other

Area

Operator

- >
- =
- <

Area

Total Sponsorship

Operator

- >
- =
- <

Contribution

\$

Start Date / End Date

/

Tracking ID

Click to narrow results

Task Name	Task Description	Task Objective	Area
A.5 Identify highest priority natural areas for first-action of removal and control	Concept 1-A.5		(
A.7 Integrate the Florida Weed Web information system, the future National Invasive Species Information System and eventual Worldwide Weed Web.	Concept 1-A.7	STEMS	(
Step A: Establish procedures, mechanisms, and information network to assist in identifying, assessing, and ranking weed problems on an integrated statewide	Step A		(
Sanibel - Johnston Preserve/State Botanical Site, ERP-038, 1997	Sanibel - Johnston Preserve/State Botanical Site		116
Pine Key Acres, Big Pine Key, LK-006, 1997	Pine Key Acres, Big Pine Key		22
Vaca Key, Little Torch Key, LK-16 18, 1997	Vaca Key, Little Torch Key		86
Long Key SRA, MK-004, 1997	Long Key SRA		71
Nike Radar Site Key Largo Hammocks, NK-001, 1997	Nike Radar Site Key Largo Hammocks		4
Dynamite Docks Key Largo Hammocks, NK-002, 1997	Dynamite Docks Key Largo Hammocks		16
Card Sound Road East Key Largo Hammocks, NK-003, 1997	Card Sound Road East Key Largo Hammocks		7
Madeira Village Key Largo Hammocks, NK-004, 1997	Madeira Village Key Largo Hammocks		13
Key Largo Beach And Tennis Club Key Largo Hammocks, NK-005, 1997	Key Largo Beach And Tennis Club Key Largo Hammocks		2
Parcel 43 Key Largo Hammocks, NK-006, 1997	Parcel 43 Key Largo Hammocks		3
White Goods Dump Key Largo Hammocks, NK-007, 1997	White Goods Dump Key Largo Hammocks		3
Port Bouganville Parcel M Crocodile Lake NWR, NK-008, 1997	Port Bouganville Parcel M Crocodile Lake NWR		2
Keystone Security Crocodile Lake NWR, NK-009, 1997	Keystone Security Crocodile Lake NWR		11
Sea To Sound Tract Crocodile Lake NWR, NK-010, 1997	Sea To Sound Tract Crocodile Lake NWR		1



System Management

HOME :: INFO :: DATA SEARCH :: VIEW MAPS :: CONTACT :: LOGOUT

My Info View Tasks Edit Tasks Edit Personnel Edit Domains Browse All Tasks

Logged in as dorenr

To begin viewing task information, choose an option below

View dorenr's tasks 

View all tasks 

Hide Tree 

- Concept 1
 - Step A: Establish procedures, mechanisms, and information network t...
 - A.1 Prioritize species for control
 - A.1.1 Species relating to South Florida Ecosystem Restoration
 - A.1.2 Florida-wide species
 - A.1.3 Best candidate species for biological control
 - A.2. Identify which priority species need immediate and rapid-respo...
 - A.3. Identify which priority species need containment and control a...
 - A.4 Identify species needing control within 3 to 10 years
 - A.5 Identify highest priority natural areas for first-action of re...
 - A.6. Identify existing data and information resources (Florida-wide ...
 - A.6.1 Evaluate invasive species information by agency, organization...
 - A.6.2 Quantify existing agency resources invested in information ma...
 - A.6.3 Identify the highest quality and priority data sources for ...
 - A.6.4 Identify major gaps and missing information needed to improve...



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Logged in as dorenr

To begin managing Personnel, choose an option below

Edit Personnel

Add New Personnel

Choose the letter range containing the person's last name

A - C D - G H - K L - R S - T U - Z A - Z (View All)

Click on a person's name to edit their information.
To delete a person from the system, click the corresponding 'delete' button.

Last, First M	Username	User Type	
Administrator, System	sysadmin	System Manager	<input type="button" value="Delete"/>
Ashton, Charles			<input type="button" value="Delete"/>
Bayer, Philip C	phil	System Manager	<input type="button" value="Delete"/>
Beeler, Carrie	beelerc	System Manager	<input type="button" value="Delete"/>
Berman, Jody			<input type="button" value="Delete"/>
Best, Ronnie			<input type="button" value="Delete"/>
Brandt, Laura A			<input type="button" value="Delete"/>
Call, Erynn M			<input type="button" value="Delete"/>
Catanzaro, Luigi D	brew	Task Manager	<input type="button" value="Delete"/>
Center, Ted			<input type="button" value="Delete"/>
Childers, Daniel L			<input type="button" value="Delete"/>
Clifford, Leroy			<input type="button" value="Delete"/>
Coile, Nancy			<input type="button" value="Delete"/>
Davis, Diana			<input type="button" value="Delete"/>
DeAngelis, Donald L			<input type="button" value="Delete"/>



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System for Tracking Ecological Management Staff

**** Important Note ****

This page is only a web-mockup. This is in no way intended to be useful other than to serve as a placeholder for the real GIS mapping component of the system.

Pending funding, the true GIS Component will ship with the final release of STEMS.

Show me borders for:

- counties
- cities
- parks
- districts
- natural areas

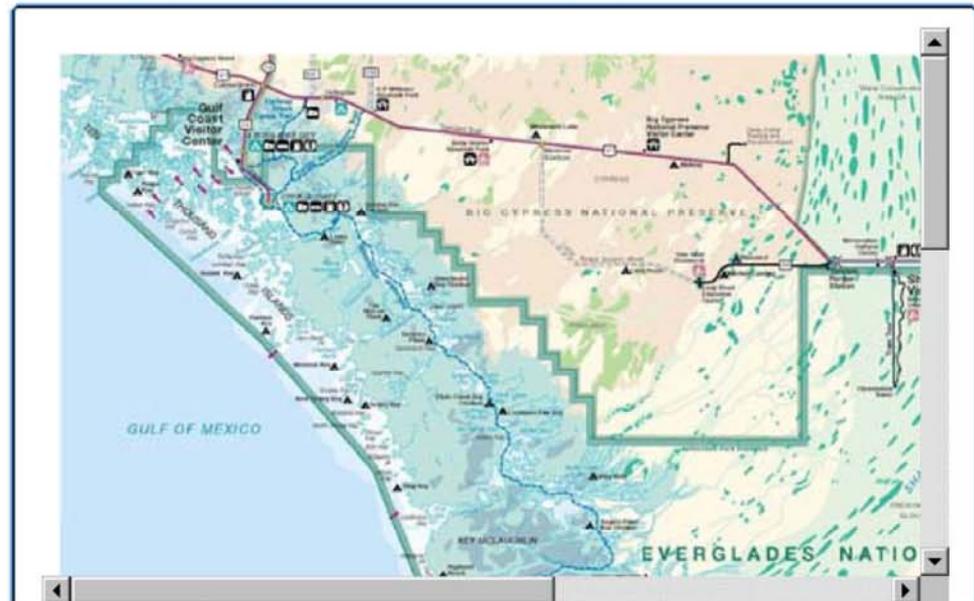
Show me sites for:

Select Task

concept 1

Select Organization

FWC



Thank you.

Are there any questions?

