



Florida EPPC

24th ANNUAL SYMPOSIUM

the Florida Exotic Pest Plant Council's 24th Annual Symposium

Weeds of Wrath

May 26-29th, 2009, Delray Beach, Florida

CEUs will be available!
Register on our website or fill out and
return the enclosed registration form.



www.FLEPPC.org

FROM THE CHAIR

Preparations are being finalized for the 24th annual FLEPPC symposium, to be held May 26-29, 2009 at the beautiful Marriott hotel in Delray Beach, FL. It is a great facility for a meeting and is located right across the street from the beach, with lots of restaurants and shops nearby. Thanks goes to our Local Arrangements Committee for securing another excellent venue for this year's symposium. Our Program Committee also has been working hard to bring you another outstanding agenda for the meeting, with the latest information on several topics related to Florida invasive species. Our keynote speaker, Dr. Joe DiTomaso from the University of California-Davis, will discuss the convergence of the biofuels industry and potential biological invasions, a pertinent topic that is of interest on a national level. A number of excellent presentations and posters are also planned, addressing the latest in invasive species control technology, biological control research, Cooperative Weed Management Areas (CWMAs), and much more. Hands-on workshops related to invasive plant control and monitoring will also be offered and we have several terrific area field trips planned. Finally, those rock n' roll icons, *The Weeds*, will once again liven up our banquet and provide the impetus to put a little boogey in your step. I extend a warm invitation for you to register now and plan to attend our 24th annual symposium. As always, it promises to be interesting, informative, and fun, with the opportunity to see and meet many colleagues and friends. Please join us in Delray Beach!



continued...

Florida Exotic Pest Plant Council

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scditmarsen@dow.com

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dowen@fau.edu

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Merchandise
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brian.nelson@sfwmd.gov

Melaleuca
Francois Laroche
Flaroche@sfwmd.gov

The FLEPPC board recently selected Jon Lane (U.S. Army Corps of Engineers) as FLEPPC Chair Elect; if approved by the general membership at the annual business meeting to be held on Friday, May 29th, Jon will assume the role of Chair in 2010 and we will look forward to his leadership. The board also selected four incoming board members for the 2009-11 slate, also to be voted on at the annual business meeting: Ben Gugliotti (Lake County Water Authority), Robert Farley (PBS&J), Patricia Howell (Broward County Parks and Recreation), and Jackie Smith (Florida Fish and Wildlife Conservation Commission). I also want to thank the following four outgoing board members for all of their efforts and contributions during the past two years: Jennifer Possley (Fairchild Tropical Botanic Garden), LeRoy Rodgers (South Florida Water Management District), Jonathon Taylor (National Park Service), and Sandra Vardaman (Alachua County).

Finally, it was certainly with mixed emotions that I recently announced my acceptance of a position within Dow AgroSciences' Research and Development group back in Wisconsin effective May 1, 2009. In accordance with FLEPPC by-laws, Jim Burney (Aquatic Vegetation Control, Inc., current Past Chair) will assume the role of Chair, and Mike Bodle (South Florida Water Management District) will assume the role of Past Chair, effective April 1. I have been closely involved with FLEPPC since moving to Florida six years ago and have truly enjoyed working with the many fine people who have also supported the efforts of this great organization and all that it stands for. Going forward, I know the passion and dedication of its members will mean continued achievement and success for FLEPPC. I wish each of you and FLEPPC all the best in the future.

Scott Ditmarsen
FLEPPC Chair

**2009 FLEPPC Symposium Delray Beach, FL
Program at a Glance May 26-29, 2009**

Tuesday, May 26th

Florida EPPC Board of Directors & Task Force Meetings 10:00 AM – 5:00 PM

Symposium Early Registration 3:00 PM – 6:00 PM

Wednesday, May 27th

Symposium Registration 7:30 AM – 3:00 PM

Vendor Expo 8:00 AM – 5:00 PM
6:00 PM – 8:00 PM

Chair's Welcome Address 8:20 AM– 8:40 AM

Keynote Address: 8:40 – 9:20 AM
Dr. Joe DiTomaso, University of California, Davis

Session I: Invasive Plants & Biofuels: Taking Root in Florida 9:20 – 10:20 AM

Session II: Florida's Invaded Landscape: Updates on mapping and data tracking programs 10:40 AM - 12:00

Session III: Invasive Plant Management Programs 1:00 – 2:20 PM

Workshops: 2:40 – 5:00 PM

- Creating Invasive Plant Management Plans: Getting Started with Essential Information - Chris Matson, The Nature Conservancy
- Herbicide Resistance in Invasive Plant Management - Dr. Greg MacDonald, University of Florida/IFAS
- Natural Areas Weed Management Preparation Class - Ken Gioeli, University of Florida/IFAS

Poster Session 6:00 – 7:00 PM

Evening Social Event 6:00 – 7:00 PM

**The 2009 Annual
Business Meeting
Friday May 29th, 10:20am**

FLEPPC members will be asked to vote on the following slate of board members:

Jon Lane - Chair Elect nominee

Jon Lane is a biologist with the US Army Corps of Engineers, Invasive Species Management section in Jacksonville. Jon also has worked for the US Fish and Wildlife Service and The Peace Corps. He received his Master's degree in Agriculture and Natural Resource Economics from Colorado State University.

jon.s.lane@usace.army.mil
904-232-1044

Board Nominees (4)

**Biagio (Ben) Gugliotti
Lake County Water Authority**

Ben Gugliotti works for the Lake County Water Authority as a Land Resource Project Coordinator. The Water Authority manages over 6600 acres of conservation lands throughout Lake County. Ben oversees the invasive exotic plant control and prescribed fire programs. He also works with listed species and helps with all aspects of land management activities. Ben received his B.S. in Biology from the University of Central Florida in 1996. He has worked in the environmental field for the last 13 years. Ben has also been a member of the Florida Native Plant Society.

bgugliotti@lcwa.org
352-343-3777 ext 37

**Jackie Smith
Florida Fish & Wildlife Conservation
Commission**

no bio submitted

Jackie served on the FLEPPC board from 1994 – 1997, and served as Secretary from 1999 – 2002.

jackie.c.smith@MyFWC.com
561-722-2479

Thursday, May 28th

Vendor Expo 8:00 AM – 12:00 PM

Track 1

Session IV: Cropping up in Florida: Cooperative Invasive Species Management Areas and the Florida Invasive Species Partnership
8:20 – 10:00 AM

Session V: Control Strategies for Invasive Plants
10:20 – 11:40 AM

Track 2

Session VI: Biological Control Updates
8:20 – 10:00 AM

Session VII: Biological Control Updates (cont.)
10:20 – 11:40 AM

Field Trips 12:00 – 5:00 PM

- Loxahatchee National Wildlife Refuge & South Florida Water Management District Herbicide Demonstration Plots
- Delray Oaks Natural Area: A working field trip using GPS
- City of Boca Raton Beachside Parks/Gumbo Limbo Nature Center
- Pondhawk and Yamato Natural Areas

Symposium Banquet 7:00-10:00 PM

Friday, May 29th

Session VIII: Trials and Tribulations: The Latest on Herbicide Evaluations
8:20 – 10:00 AM

FLEPPC Business Meeting 10:20-11:00 AM

Session IX: Research on Biological Invasions
11:00 AM - 12:20 PM

Symposium Adjourns at 12:20 PM

Natural Area Weed Management Examination
1:30 PM – 3:00 PM

Patricia L. Howell

Oakland Park, FL

Pat has worked for Broward County Parks and Recreation for 22 years in various capacities which include park management, conducting nature programs, natural area management, project manager for various exotic plant removal projects, photo monitoring, plant and animal inventories, and exotic plant documentation. Before Broward County, Pat was Curator of the Herbarium at Mars Hill College in Mars Hill, North Carolina. Pat is also a member of the FLEPPC Plant List Committee.

phowell@broward.org

Robert L. Farley

Senior Landscape Architect, PBS&J

Tallahassee, FL

Certifications:

Certified Professional Roadside

Vegetation Manager

Registered Landscape Architect,

Florida

USGBC LEED Accredited

Professional

ISA Certified Arborist

Professional Affiliations:

National Roadside Vegetation

Management Association

International Society of Arboriculture

Service Affiliations:

United States Green Building

Council, Florida Capital Region

Chapter, Board of Directors

USGBC Florida/Caribbean

Regionalization Task Force, FCRC

Chairman

Florida Invasive Species Partnership

Apalachicola Regional Stewardship

Alliance

Florida Native Plant Society

Florida Exotic Pest Plant Council

Education:

M.F.A., Fine Arts, Louisiana State

University, 1975

B.L.A., Landscape Architecture,

Louisiana State University, 1971

rlfarley@pbsj.com

850-580-7864

Any nominations from the floor at the annual business meeting must meet the criterion stated in Section 2 of the by-laws in order to be considered. By-laws pertaining to the election of board members are as follows:

Article V. Board of Directors

Section 1. The Board of Directors shall consist of the officers and eight (8) voting members elected at large.

Section 2. Directors shall be selected from the membership and must reside within the State and be members in good standing of the Council.

Section 3. Nominations for directors shall be recommended by a nominating committee. One nominee for each available director position shall be approved by majority vote of the Board of Directors upon recommendation of the Nominating Committee chair. In addition, nominations may be submitted from the floor at the annual business meeting.

Section 4. Election of directors shall be by secret ballot and a candidate must receive a plurality of the votes cast to be elected, unless there are no nominations from the floor and an open vote is made simply to accept the nominated slate of directors or not.

At the annual business meeting the membership will also be asked to vote on the following proposed changes to the bylaws:

Article IV. Officers

Section 13.

Officer Chain of Succession: In the event the Chair's service has ended prior to the normal elected term (as defined above) during the first year of tenure, the Past-Chair shall assume the duties and responsibilities of the Chair. Likewise, if the Chair's service has ended during the second year of tenure, the Chair-Elect shall assume the duties and responsibilities of the Chair for the duration of the absent Chair's term, and for the subsequent 2-year term, as elected.

In the event that either the Past-Chair or Chair-Elect has assumed the duties and responsibilities of the Chair or their service has ended prior to the normal elected term, the Board of Directors will elect by quorum a temporary Past-Chair for the duration of the absent Past-Chair or Chair-Elect's one year term. Should the temporary Past-Chair be a replacement for the Chair-Elect, the temporary Past-Chair will serve the duration of the Chair-Elect's term, plus a one-year term as Past-Chair.

In the event the Chair's service has ended prior to the normal elected term (as defined above) during the first or second year of tenure, and if the Past-Chair's or Chair-Elect's (whomever would normally assume Chair duties under the conditions above) service has similarly ended, the Board of Directors will elect by quorum a temporary Chair for the duration of the absent Chair's term.

**FLEPPC Board of Directors
Meeting Minutes
October 21, 2008
Seminole Rest Historic Site
Canaveral National Seashore,
Oak Hill, FL**

The meeting was called to order at 9:40am by Karen Brown, who chaired the meeting in the absence of Scott Ditmarsen. Minutes were taken by Hillary Burgess and Dianne Owen.

The following officers and members, constituting a quorum of the Board of Directors, were present: James Burch, Jennifer Possley, Todd Olson, LeRoy Rogers, Karen Brown, Ellen Donlan, Adam Grayson, Jonathan Taylor, Jim Burney, Hillary Burgess, and Dianne Owen. Karen Brown served as proxy chair for Scott Ditmarsen, who was unable to attend.

Approval of Previous Minutes

Minutes from the previous board meeting were approved following a motion made by Jennifer Possley and seconded by Adam Grayson. Dianne suggested that rather than putting the quarterly newsletter out prior to a board meeting with the unapproved minutes from the previous board meeting, the newsletter could go out after the meeting where the minutes were approved, to include any changes made. The unapproved minutes should be sent to the board for review prior to the meeting where they will be approved. Everyone agreed on this suggestion.

Chair Activities

LeRoy confirmed that a thank you letter was written to the USDA regarding regulating importation of Lygodium. It was uncertain if the letter had yet been signed and sent. [Subsequent correspondence indicates that this letter was sent out on September 3, 2008

by Chair, Scott Ditmarsen] The first monthly 2009 FLEPPC Symposium Conference Call was held on October 9th. LeRoy reflected that the communication was effective and that the meeting was very helpful for planning and ensuring that everyone is on the same page.

Treasurer's Report – Ellen Donlan

Ellen contacted Chuck Barger and is awaiting a reply to move forward with online symposium registration. It was decided that a conference call among Chuck, Dianne, Ellen and LeRoy would be helpful. There was a review of the 2008 budget, which will be in the black once \$8,000 is received for Wildland Weeds subscriptions.

The FY 2009 budget was proposed and through a few modifications was put in the black by \$15. \$500 that had been requested for printing information on Brazilian Pepper was removed because the information is available online and on a CD (Mike Bodle can be contacted for these). It was suggested that Keith Bradley, Chair of the Plant List Committee, be consulted regarding \$200 in room fees requested for this committee.

Other measures to reduce costs include efforts by Ellen to reduce credit card fees, and by going electronic with the quarterly newsletter. The budget was approved upon a motion made by Dianne Owen and seconded by Adam Grayson.

Editor's Report - Karen Brown

Karen requested travel reimbursement as part of the '09 budget for expenses incurred while representing FLEPPC. This was passed with the budget.

Karen followed up on the question from the last meeting of whether or not SE-EPPC would reimburse FLEPPC for members joining who lived in Florida. As there are only two mem-

bers that fall under this category, it was deemed unnecessary to pursue at this time. Karen will forward their information to Dianne so that they receive the FLEPPC newsletter.

Secretary's Report - Dianne Owen

Dianne and Hillary Burgess are working together to ensure a smooth transition of secretarial duties. Dianne will continue handling membership, and will send out the newsletter with the previous meeting's minutes soon.

The officer reports were approved upon motion made by Jonathan Taylor and seconded by LeRoy Rogers.

Committee Reports

By-laws – Sandra Vardaman, not present.

Karen Brown proposed that a change be made to outline the process for determining past chair: The member who most recently served as chair and is available to serve as past chair will be selected when the immediate past chair is not available. The secretary will pass this along to Sandra to begin the process for by-laws changes to be approved by the board at the next annual meeting.

Checklists - Donna Watkins, not present

No report, however during the symposium conference call it was discussed that the Scholarship Committee (Tony Pernas) would be responsible for the chance drawing prizes at upcoming symposia, and that this would be added to their checklist.

Control and Evaluation – Michael Meisenburg

LeRoy explained that the SFWMD has land located conveniently near the symposium location, and that they could provide test plots in this area where work is needed anyway. The plots will contain Melaleuca, Brazilian Pepper and Lygodium. These

plot visits will need to be written into the field trip description, with corresponding CEUs. Jim Burney will resume involvement with this committee following the upcoming symposium when his duties as past chair will be reduced. Jonathan Taylor brought up the potential need for money for this committee, when the SFWMD will not be providing the test plots. This will be discussed again for budget '10.

Education – Jennifer Possley

The deadline for grant proposals is February 2.

Jennifer was approached by a representative from Native Technology who expressed an interest in creating informational brochures about invasives, geared toward teens, which could then be featured on the FLEPPC website. Jennifer confirmed that he was not asking for money, and it was decided that she should go ahead and encourage the development of these brochures. Once finished, they could be reviewed and it would then be decided if they should be hosted on the website. LeRoy noted his experience working with the public and teens, and their interest in taking home informational DVDs.

Finance – Scott Ditmarsen, not present

Scott stepped down as chair of the Finance Committee to serve as Chair of the board.

Legislative – Matt King, not present

The legislative report was submitted. Karen Brown brought up Act HR767, which provides funding for invasive species management. The Humane Society has launched a campaign against it. It was suggested by Ellen Donlan and Jim Burney that any official statement made by FLEPPC should address only the non-native plant management portion of the Act, which would remain consistent with

our mission.

Merchandise – Tony Pernas, not present-no report.

It was suggested that sheaths be acquired and sold with the machetes at this year's symposium.

Nominations – Jim Burney

Todd Olsen was recommended to replace board member Kathy O'Reilly-Doyle, who has left Florida. Acting as chair, Karen Brown nominated Todd as interim board member. This was approved following a motion by Ellen Donlan and seconded by Adam Grayson, and was passed unanimously by the board.

On November 22, 2009 Jim Burney will send out an e-mail to call for nominations for this coming year.

Outreach – Katy Roberts, not present-no report.

Plant Industry Liaison – Doria Gordon, not present - no report.

Plant List – Keith Bradley The treasurer is to follow up with Keith regarding the committee's proposed budget. It was suggested that room fees of \$200 be deducted from the Plant List Committee's budget to keep the FLEPPC budget in the black.

Research – Betsy Von Holle, not present-no report.

Scholarship – Tony Pernas, not present-no report.

Strategic Planning – Roger Clark, not present-no report.

Symposium Local Arrangements – Mike Bodle

Mike expects a contract to be signed with the Delray Marriott very soon.

Symposium Program – LeRoy Rodgers

The board revisited the idea of hold-

ing one day of concurrent sessions at this year's symposium, due to the variety of information that may not be useful to all participants. It was suggested that Friday be the day to do this, to encourage people to stay to hear something relevant to their interests. The Delray site would be favorable for this arrangement, with a retractable wall that could be put in place to divide the presentation room into two.

A call for abstracts will be made soon, and LeRoy hopes to have them confirmed by mid-January to allow for time to arrange CEUs.

LeRoy asked for suggestions on a theme and a keynote speaker.

The written report from this committee was submitted.

CEUs – Katy Roberts, not present-no report.

(Katy will apply for CEUs; others need to cover sign-in and handing out CEUs.)

Symposium Field Trips – Donna Watkins, not present-no report.

Training

It was agreed that Natural Areas training and the opportunity for test taking should be included again during this symposium.

Vendor-Todd Olson

Todd will share the date and location of this upcoming symposium with potential vendors. LeRoy Rogers will provide Todd with a list of Native Plant Society symposium vendors. It was agreed following a site visit that vendors will do well and have ample space in the Delray site. Karen will investigate possible equipment for hanging posters.

Website – Tony Pernas, not present-no report.

Liaisons with other organizations
SE-EPPC Liaison – Karen Brown/
Tony Pernas-

Karen expressed that the NA-EPPC/ NAA meeting may have helped stimulate interest in SE-EPPC. A luncheon was held in which all EPPC-IPC groups gave presentations on their accomplishments and the achievements were impressive. The overall meeting was well attended and had good national representation.

2008 NA-EPPC Conference

Karen accepted an award on behalf of FLEPPC outstanding achievement from NA-EPPC.

NA-EPPC Liaison – Matt King/ Tony Pernas- not present, no report.

Florida Invasive Species Partnerships – Alison Higgins, not present- no report.

An explanation was given that FISP operates as a matrix that provides grant support for invasives management to private landowners.

The reports were accepted following a motion made by Ellen Donlan and seconded by Adam Grayson.

Task Force Reports

Designation of status and suggested changes:

Australian Pine - Tony Pernas, not present but it was reported that the project is moving forward and that Tony needs pictures to use for the management plan.

Brazilian Pepper - Jim Cuda- this project has finished.

Carrotwood - Chris Lockhart- not present, no report.

Chinese Tallow - Drew Leslie-not present, no report.

Colubrina - Jonathan Taylor-this project has finished.

Dioscorea - Bill Overholt- this project has finished.

Exotic Grasses - Greg McDonald, not

present, no report.

Lygodium - LeRoy Rodgers/Kris Serbesoff-King. LeRoy shared that there have been positive results from the release of the *Neomusitima* moth at Jonathan Dickinson State Park. This new information on biocontrols will be included in the plan.

Melaleuca - Francois Laroche-not present, no report.

Skunkvine - Brian Nelson- not present, no report.

Operations

Old Business- no old business.

New Business

Approval of Finance Committee Chair (Ellen Donlan), Treasurer (Dianne Owen), and Secretary (Hillary Burgess).

Scott appointed the above positions, which were approved following a motion made by Jonathan Taylor and seconded by Karen Brown, and accepted unanimously by the board.

Karen nominated Jim Burney as past chair as he served as Chair prior to Alison Fox. Jim agreed, and will continue to head the Nominations Committee and serve as a member of the Finance Committee. He will resume his involvement with the Control/Evaluation Committee following the upcoming symposium.

SFWMD – Due to travel/symposium restrictions, SFWMD participants proposed an exchange in which they would provide field trip transportation and assistance in lieu of paying the registration fee at the 2009 Symposium. It was agreed that this qualified as “in-kind sponsorship” and that Todd would work on a definition for this to be included as an official vendor registration option to keep it fair and open to anyone qualifying.

Dianne is to investigate accounting definitions of in-kind sponsorship for the purposes of financial reporting.

Clematis terniflora – Karina Veaudry/ Boynton Botanicals, Chair correspondence? This item was tabled until the next board meeting.

Lifetime Achievement Award – It was agreed that a longtime member and supporter of FLEPPC, should receive recognition during the upcoming symposium. Jennifer Possley commented that the proposed gift of Lifetime Membership might be better worded as Lifetime Achievement, to include the benefit of Lifetime Membership.

Ornamental Outlook article – LeRoy Rodgers wrote an article for *Ornamental Outlook* magazine intended to demystify the various plant lists. It was discussed that the Exotics 101 section of the FLEPPC website be revised to be a FAQ page, to serve a similar function. LeRoy will ask the publishers of this magazine if FLEPPC can place a PDF of the article on the website.

It was suggested that it would be advantageous to reschedule the board meeting set for December 16, 2008 at the symposium site to a later date. This will be discussed and decided upon via e-mail.

At 1:30 pm the meeting was adjourned by unanimous decision following a motion made by Todd Olson and seconded by Hillary Burgess.



24th Annual Symposium of the Florida Exotic Pest Plant Council

Tuesday, May 26st through Friday, May 29th
Delray Marriott Hotel • Delray Beach, Florida

The Weeds of Wrath

Name: _____ Date: _____

Organization: _____

Address: _____

City/State/Zip: _____

Phone: _____ E-mail: _____

\$ _____ **Registration:** CURRENT MEMBERS: \$100.00 on or before April 30th, \$120.00 after April 30th

RENEWING MEMBERS AND NON-MEMBERS:

\$130.00 on or before April 30th, \$150.00 after April 30th

(this rate automatically includes a one-year membership)

STUDENTS: \$45.00 student (with valid student ID)

\$ _____ **Vendor Registration:** \$300.00 includes vendor table and registration for one person

\$ _____ Donation for coffee/hospitality breaks (minimum \$100)

\$ _____ Donation to research or education grants programs (circle one)

\$ _____ Donation for door prizes

\$ _____ **Annual Banquet:** \$25.00 per person

\$ _____ **Field Trip:** \$20.00

_____ Lunch Choice (see options 1-5 next page) _____ Workshop Choice (see options-3 below)

_____ Field Trip Choice (see options 1-4 next page)

\$ _____ **Donation to FLEPPC:** (FLEPPC is a 501(C3) non-profit organization)

\$ _____ **TOTAL**

Mail Registration Form and Payment To:

FLEPPC 2009 Symposium

P.O. Box 23426

Fort Lauderdale, FL 33307

Make check or money order payable to **Florida EPPC**
FLEPPC Fed. ID#65-0140632

If paying by credit card, please complete the following:

Credit Card Type: _____
(Visa, MasterCard, Discover, American Express only)

Card Number: _____

Amount: \$ _____

Expiration Date: _____

Name on Card: _____

Billing Address: _____

Signature: _____

Symposium Field Trips - May 28, 2009

All field trips cost \$20 and include boxed lunch and transportation

Lunch: Please choose one sandwich option. Sandwiches will come with water or soft drink, chips and cookies and condiments on the side.

Option 1 Ham and cheese hoagie

Option 2 Turkey and cheese hoagie

Option 3 Chicken salad hoagie

Option 4 Tuna salad hoagie

Option 5 Vegetarian Pita (lettuce tomato, carrots, sprouts, spinach, cucumber)

Field Trips: Please choose one field trip option

Trip 1: Loxahatchee NWR/South Florida WMD

This multi-faceted tour will begin with a luncheon program at the Refuge Visitor Center and conclude with a tour of several WMD demonstration plots. Leaders will provide information regarding multiple types of herbicides applied at varying rates by different treatment techniques. Participants will learn which methods, herbicides and rates are most successful in controlling species such as Melaleuca, Java plum and Brazilian pepper. Documentation of results will be provided for all field trial plots. Water, bathrooms and gift shops available at both ends of the tour. Walking out to the trial plots could be muddy and brushy, but the plots can be viewed from the mowed levee. Bring sunscreen, bug repellent, a hat and your wallet for the gift shops. **Transportation: Bus; limit 49 participants**

Trip 2: Hands-On GPS Workshop/Delray Oaks Natural Area

The Delray Oaks Natural Area is a remnant sandbar on the northern edge of the historic Yamato Marsh. Now composed primarily of an oak hammock plant community, this natural area has ADA and natural trails and supports a few gopher tortoises. This hands-on field trip will focus on GPS operations in natural area management, including invasive plant and rare species mapping. It will begin at the hotel with a brief classroom orientation and wind up back at the hotel for a data download session. Trimble Geo-XT and Garmin GPSmap60 programmable hand-held GPS units will be provided. Participants will learn how to prepare the units for field work, use a data dictionary, and ID some common nuisance/invasive plants. Bring hat, comfortable shoes, sunscreen; watch out for poison ivy. Water provided.

Transportation: Vans provided; limit 15 participants

Trip 3: City of Boca Raton Beachside Parks/Gumbo Limbo Nature Center

Participants will visit four City of Boca Raton parks (Spanish River, Gumbo Limbo, Red Reef and South Beach). Urban recreation areas and preserves are all "edge" and usually heavily disturbed throughout. Many of Florida's worst landscape choices have been planted in the older parks. More recent acquisitions usually had some sort of prior development that included clearing and or landscaping – a legacy now inherited by the preserve managers. Yet, some rare natives and important communities remain, as well as an opportunity to restore and create habitat islands, and to teach in the process. In addition to exotics such as *Casuarina*, *Schinus*, *Scaevola*, *Tradescantia*, *Sanseveria*, *Ochrosia*, *Cupaniopsis*, and *Calophyllum* spp., we will view ongoing restoration and community participation projects. **Transportation: Vans provided by Gumbo Limbo; limit 24 participants**

Trip 4: Pondhawk and Yamato Natural Areas

The Yamato Scrub Natural Area is a 217 acre restored natural scrub environment located in southern Palm Beach County. Although primarily scrub, a restored wetlands basin can be seen by following the accessible part of the trail. Yamato and the 79-acre Pondhawk Natural Areas are dominated by sand pine scrub, scrubby flatwoods, hammock & disturbed marsh communities. Both of the sites are surrounded by large urban areas. Participants will experience the many land management challenges posed in this setting. Most of the large monocultures of exotics have been treated by mechanical & ground control methods, though many small, tough to control, species remain. Highlights include a planned & a completed wetland restoration project; and a planned & completed public use facility. Expect walking for 1 ½ hours at each site with frequent stops. Terrain is a mix of concrete walkways & soft sand trails. Water will be available. **Transportation: Vans provided by PBC; limit 22 participants**

Symposium Workshops

May 27, 2009

Workshop 1: Natural Areas Weed Management Preparation Class

Individuals planning to take the Natural Areas Weed Management Certified Pesticide Applicator examination should attend this three-hour training session. Participants will receive an overview of pest plants and their recommended chemical controls, a review of chemical control methodologies, herbicide characteristics and their behavior in the environment, and methods for herbicide dilution and rate calculations.

Limit 30 participants

Workshop 2: Herbicide Resistance in Invasive Plant Management

Participants will be introduced to herbicide activity and mode-of-action as it relates to those factors involved in the development of resistance. Strategies to prevent or delay herbicide resistance in natural areas management will also be discussed. Limit 40 participants

Workshop 3: Creating Invasive Plant Management Plans-Getting Started with Essential Information

This workshop will provide participants with fundamentals of developing effective invasive plant management plans. Participants will learn how to identify and prioritize key components of operational plans. Case studies and practical examples of integrated pest management techniques will also be discussed. Limit 45 participants

Discounted room rates are available to conference attendees at the Delray Beach Marriott. Please request the FLEPPC Conference group rate or use the group code (FEPFEPA) or (FEPFEPB) when booking online.

For more details about the symposium, including information about CEUs and the program agenda, watch our website at www.fleppc.org

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