

TAMPA BAY ASSOCIATION OF ENVIRONMENTAL PROFESSIONALS

WWW.TBAEP.ORG

FLORIDA FOREVER FUNDED AND EXTENDED

The 2008 Legislative Session of the Florida Legislature ended with great news for the future of preserving some of Florida's most valuable lands. The Fiscal Year 2008-2009 State budget includes approximately \$8 million needed to launch \$300 million in bonds for Florida Forever. Both the House and Senate unanimously approved legislation to extend the Florida Forever program through 2020 at \$300 million a year. [Senate Bill 542](#) and [House Bill 7141](#) contain all the details regarding this important program.

Both of these legislative victories occurred during an extremely tight budget year. The Nature Conservancy took a lead in the effort. FAEP is a partner in the Florida Forever Coalition and is grateful to Florida Senate and House to fund and reauthorize this landmark land conservation program. The websites listed below provide more information about the program and the successful efforts to continue preserving valuable lands. [Florida Forever Update](#)— Visit this page to see for reports, press release and the latest action by The Nature Conservancy and the Florida Forever coalition to support the creation of a Florida Forever successor program. [Florida Forever In The News](#) — This page is updated regularly with links to articles about Florida Forever from newspapers around the state. [How You Can Help Expand Florida Forever](#) — The amount of money allocated for Florida Forever has not changed in 19 years, while the costs of land have more than doubled. Meanwhile, the current real estate slump provides historic opportunities for land conservation. With additional funding we can take advantage of opportunities to save our natural lands before they are lost forever. All Florida citizens can help in the effort to secure Florida's environmental future.

Monthly Meetings

Thanks to **Chris Anastasiou** from FDEP for giving us an informative presentation during our April meeting on From Mines to Manatees: The US Navy's Autonomous Underwater Vehicle Program for Rapid Environmental Monitoring

MAY 2008

Mark your Calendar!

Upcoming Meetings:

- **May 21 - 11:30-1PM**

Corals and the Endangered Species Act: Proposed rules, Their Conservation Goals, and Effects on the Public and Professionals

Sarah Heberling, NOAA Fisheries
Feather Sound Country Club

- **June 19 - 11:30-1:30PM**

Current Trends in the Development of Vapor Intrusion Investigations

Will Elcoate, TestAmerica, Inc.
Feather Sound Country Club

Feather Sound Country Club is located on 2201 Feather Sound Drive in Clearwater

Link to map to Feather Sound Country Club:
[Feather Sound Country Club Map](#)

GREEN LIVING TIP #6

Shade your air conditioner. When the blistering Florida sun is beating down on your air conditioner, the unit works harder and wastes electricity. Buy a shade from a local hardware store, make your own, or even better, plant a tree nearby.

Newsletter editor: Pippa Scott,
Faller Davis & Associates, Inc.

Florida Celebrates International Year of the Reef 2008

Leading up to the International Coral Reef Symposium this summer, the Florida Department of Environmental Protection's (DEP) Coral Reef Conservation Program is encouraging public awareness of coral reefs and their impact on Florida's marine environment, the commercial and recreational fishing industry and the economy. Recognizing the importance of the state's reef ecosystem, Florida is the site of the 11th International Coral Reef Symposium, July 7-11, 2008, in Fort Lauderdale, Florida.

An extensive, beautiful coral reef ecosystem stretches more than 100 miles along the Southeast Florida coast, from Miami-Dade to Martin County. These reefs are part of the third longest reef system in the world and are one of the greatest natural resources in Florida and the United States. Coral reefs are specialized habitats that provide shelter, food and breeding sites for numerous plants and animals. Reefs form a breakwater for the adjacent coast, providing natural storm protection.

Taking place during the International Year of the Reef 2008, the International Coral Reef Symposium convenes every four years as a major scientific conference to provide the latest knowledge about coral reefs worldwide. Natural scientists, resource managers and users, conservationists, economists, and educators meet together to advance coral reef science, management and conservation. Sponsored in part by the Symposium as well as the NOAA and the International Coral Reef Initiative, the International Year of the Reef is a worldwide campaign to raise awareness about the value and importance of coral reefs and threats to their sustainability.

"Coral reefs are diverse habitats that draw scuba divers and fishermen that boost our economy and they protect our beaches and homes from storm surge," said DEP Director of Coastal and Aquatic Managed Areas Stephanie Bailenson. "DEP is proud to be a co-sponsor of the 11th International Coral Reef Symposium and join the world in celebrating International Year of the Reef 2008. We appreciate the commitment of all of our partners to ensuring the health and vitality of these precious treasures."

DEP's Coral Reef Conservation Program is raising public awareness by sponsoring two 30-second Public Service Announcements (PSAs) about coral reefs. The program has also produced a video on coral reef protection for area visitors as well as educational DVDs for teachers that provide more than 150 activities for students. In addition, an advanced coral reef training workshop will be held in 2008, as a follow-up course for teachers who participated in previous workshops. Furthermore, the Coral Reef Conservation Program provides monthly identification classes on corals, fishing and marine invertebrates as well as coral reef protection tips on their Web site.

Tips include:

- Use navigational charts to locate coral reefs.
- Anchor to mooring buoys or in sand.
- Stash your trash - do not dispose of trash, bilge washings, or other debris on or near reefs.
- Don't touch coral. Coral is made of a hard skeleton, but coral polyps are fragile.
- Avoid trolling for fish above a reef.
- Be a smart consumer. Look for the Marine Aquarium Council (MAC) stamp of approval on marine products before purchasing.

For more information visit [DEP's Coral Reef Conservation Program](#) and [Southeast Florida Coral Reef Initiative](#).

MEMBERSHIP NEWS

Did you know that together we can achieve more? If every TBAEP member introduced the benefits and services of our association to a co-worker, colleague, friend or associate, we would double the resources available to meet the needs of **YOU**, our member. Not only financial resources, but human resources, our most important ones.

We'd like to welcome these new and renewing members to our organization:

Nicholas Bames	Brian Burke
Mattheis Carley	Dana Gaydos
Chad Gorman	Michael Green
Randy Havens	David Landers
Greg Page	

172 Current Members



Help Tampa Bay Watch Build Oyster Domes
WHEN? May 9, 12, 15, 19, 21, 27, & 29, 9:30-1pm
Sign up with Rachel at rarndt@tampabaywatch.org

Florida-Friendly Landscaping Attract Wildlife

Working with Florida Yards & Neighborhoods (FYN) and the Florida-friendly landscaping principles helps bring all the environmental issues into perspective. Landscaping to attract wildlife is especially important in that respect. This fifth principle and the other eight principles are closely intertwined. Protecting natural resources, conserving water and preserving habitats for a sustainable future are primary objectives for our educational outreach program, and all of these are very important for attracting wildlife.



Butterflies, hummingbirds, song birds, as well as beneficial insects all can be attracted by providing for their basic needs, which are food, water and shelter. Using a variety of plants in your yard (increasing biodiversity), especially plants that have fruit, seeds or nectar, is one major way to provide wildlife habitat. An important thing to remember is that the larval stage of butterflies (caterpillars) will eat foliage of plants, so account for that when planning. Larval plants can be interspersed among nectar plants or placed in a less noticeable area. Providing plants that bloom different times of the year to provide nectar and thus fruit and seeds is also important. Layering plants to have different heights: a canopy, understory, low shrubs, and groundcovers increases variety of birds and butterflies attracted as well as increases shelter opportunities. At this point I should mention that pesticides, if used at all, must be used with extreme caution. Nectaring insects are also a major food source for birds, and care must be taken to only use spot treatments if necessary.

Water is as necessary for wildlife as it is for us. The sound of running water is very attractive to birds. Fountains, ponds, or natural features are all great, but a simple birdbath will suffice if that is all that is available. Birdbaths must be emptied and cleaned every few days. Small ponds will require more maintenance, but will give the added pleasure of attracting frogs. It is also relatively easy to keep a few fish.

Overall, if we all create landscaped areas for wildlife and create corridors that connect with bordering properties wildlife can travel between natural areas. In this fashion the benefit to wildlife increases and in highly urbanized areas like Pinellas County, anything we can do to help wildlife is a necessity if we don't want to lose the wildlife altogether. These concepts and more detailed information on landscaping to attract wildlife can be found at the University of Florida Wildlife Extension at: [Florida Friendly Landscaping](#).

Wilma J. Holley Pinellas County Extension/Florida Yards & Neighborhoods Educational Assistant

DOE Selects 12 Solar America Cities to Receive up to \$2.4 Million

DOE has selected 12 cities across the country as Solar America Cities. Each city will receive \$200,000 (a total of \$2.4 million) to integrate a variety of solar technologies, such as solar water heating, solar photovoltaic electric systems, and large-scale solar thermal electric systems, which are also known as concentrating solar power. Combined with industry cost sharing and funding from each city, the total amount invested will be approximately \$12.1 million. The 12 cities include Sacramento, San Jose, and Santa Rosa, California; Denver, Colorado; Orlando, Florida; the combined "twin cities" of Minneapolis and St. Paul, Minnesota; Philadelphia, Pennsylvania; Knoxville, Tennessee; Houston and San Antonio, Texas; Seattle, Washington; and Milwaukee, Wisconsin.

In addition to the funding, DOE will also provide hands-on assistance from technical experts to help cities integrate solar technologies into their energy planning, zoning, and facilities; streamline local regulations and practices that affect solar adoption; provide solar financing options; and promote solar technology among residents and local businesses through outreach, curriculum development, and incentive programs. DOE selected 13 Solar America Cities in 2007, so the latest selection brings the total number of Solar America Cities to 25. For more information see [DOE Press Release](#) and the [Solar America Cities web site](#).

EERE Network News

GOVERNOR CRIST ANNOUNCES 2008 CLIMATE CHANGE SUMMIT

Investing in Florida's Green Technology to be Focus

Florida Governor Charlie Crist announced the 2008 Serve to Preserve Florida Summit on Global Climate Change. The conference will be held June 25-26, 2008, at the Intercontinental Miami. Building on the foundation for Florida's energy future began at last year's summit, the 2008 summit will focus on stimulating economic development in clean technologies as well as "greening" Florida's business community.

"Florida's businesses continue to demonstrate that there is gold in green, and climate-friendly energy sources - like ethanol and solar energy - are bringing new prospects for our state," said Governor Crist. "Encouraging companies to do business the green way as well as building a strong market in renewable energy technologies in the Sunshine State will strengthen our energy and economic future and protect our natural environment for generations to come."

Building on the policy framework of the executive orders signed at the 2007 summit, this year's summit focuses on developing Florida's renewable and alternative energy industries. By encouraging companies to invest in our state's energy future, Florida will transform its energy marketplace to enhance fuel diversity, lessen dependence on foreign sources of oil and reduce greenhouse gas emissions. The 2008 summit will bring together industry leaders, policy makers, academics, scientists, environmentalists, and the business community to explore opportunities for expanding Florida's renewable and alternative energy marketplace and greening our business community.

Since last year's summit, Florida's "green" economy has grown significantly. Progress Energy along with Biomass Gas & Electric of Atlanta recently announced a partnership to build in North Florida the largest waste-wood biomass plant in the nation, converting waste wood to electricity. FPL Group, one of the largest utilities in the country, has a number of solar and wind energy projects across Florida, including a \$2.4 billion investment in a 300 megawatt solar facility. Also, during the Governor's trade mission to Brazil last year, a \$183 million agreement was signed between Renewable Fuels of Tallahassee LLC and Controlsud International Group to build a system that converts trash into energy in Tallahassee. Additionally, other companies are expanding conservation efforts and investing in upgrades at existing facilities to increase energy efficiency and save money while stimulating our economy. Finally, in November, Florida was home to the first carbon-neutral college football game between Florida State University and the University of Florida in Gainesville.

On July 13, 2007, Governor Charlie Crist signed a suite of executive orders to reduce Florida's greenhouse gases emissions, increase energy efficiency, and remove market barriers for renewable energy technologies such as solar and wind energy. Since the executive orders were signed, Florida has stepped onto the world stage as a major marketplace for advanced energy technologies. In addition, the Governor's Action Team on Energy and Climate Change Phase II Report, due October 1, 2008, will provide additional recommendations for strategic investments and public-private partnerships to spur climate-friendly economic development opportunities.

For more information on the 2008 Serve to Preserve Florida Summit on Global Climate Change, or to register for the conference, visit www.myfloridaclimate.com or www.myflorida.com.

BIOLOGISTS NEED HELP FROM PUBLIC COLLECTING TARPON GENETIC INFORMATION

Biologists at the Florida Fish and Wildlife Conservation Commission's (FWC) Fish and Wildlife Research Institute (FWRI) and Mote Marine Laboratory need help from Florida anglers to collect tarpon genetic information.

The tarpon genetic recapture study gives anglers throughout Florida the opportunity to make a direct contribution to advancing scientific research for one of the state's most popular sport fish. FWRI provides a free and easy-to-use sampling kit to anglers who are interested in collecting DNA samples. The kit contains an abrasive pad that anglers can use to remove skin cells from the outer jaw of the tarpon. Anglers should leave the fish in the water unless they have a harvest or possession tag to attach to the fish. Biologists welcome samples from any tarpon regardless of size or capture location. Each DNA sample identifies a tarpon's unique genetic "fingerprint." Scientists compare new tarpon DNA samples with cataloged samples to determine if the tarpon has been caught and sampled previously. Scientists also use this information to determine movement of tarpon in waters off the coast of Florida. Participants can obtain a tarpon DNA sampling kit by e-mailing TarponGenetics@MyFWC.com, calling 1-800-367-4461, or visiting MyFWC and search for "tarpon."

Anglers who collect and return a DNA sample directly to FWRI or to one of the statewide collection centers will be entered in a random drawing for various prizes.

The FWRI and Mote researchers have successfully identified a total of four recaptured tarpon in state waters from the Miami, Florida Keys, Sanibel and Tampa Bay areas. FWRI will notify anglers if any of the fish they sample are re-captured. To learn more about FWRI research projects, visit MyFWC.



Tampa Bay Association of Environmental Professionals web services provided by



<http://webdesign.theywill.com/>

DEADLINE EXTENDED FOR STUDENT POSTER PRESENTATIONS!

Submissions will be accepted until May 31st, 2008!

Restore America's Estuaries'

4th National Conference and Expo on Coastal and Estuarine Habitat Restoration

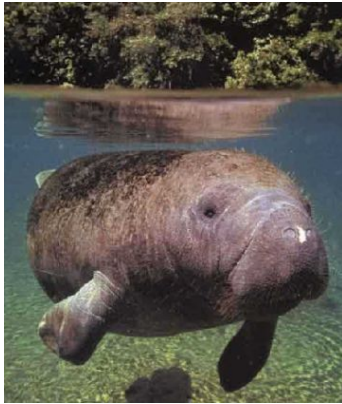
Creating solutions through collaborative Partnerships

October 11-15, 2008

Rhode Island Convention Center, Providence

To enter the Student Poster Contest, simply download the Poster Proposal Form on the Conference homepage. [Poster Proposal Form](#)

Garmin Teams with FWC and Manatee Group; Develops New GPS Units for Bay Boaters



Navigation software produced by Garmin is the first to feature manatee and homeland security zones in Tampa Bay - thanks to a partnership between Garmin, the Florida Fish and Wildlife Conservation Commission (FWC) and the Tampa Bay Estuary Program's Manatee Awareness Coalition (MAC).

The information is available on all new Garmin GPS chart plotters, as well as on the navigation chips (SD cards) boaters can buy to update their existing chart plotters. Kipp Frohlich, leader of the FWC's Imperiled Species Management Section, said "This marks a breakthrough that can save a lot of manatees. We tried unsuccessfully for years to get any mapping company to put the zones in their map covers. Garmin stepped up to the plate and did it."

Boaters using the updated electronic charts will see manatee zone boundaries highlighted as they scroll over portions of Tampa Bay where slow speed zones have been established, such as Old Tampa Bay, and the Manatee River. Homeland security zones - including those around MacDill Air Force Base and the Port of Tampa - also are displayed on the chart plotter. In addition, a pop-up window tells boaters whether the area is idle speed, slow speed or no-entry, and also whether speed restrictions are seasonal or year-round.

The Garmin product is the first to show manatee zones anywhere in Florida. Currently, only manatee and security zones in Tampa Bay are available, but Garmin expects to add zones in other Florida waterways to future software updates.

The pilot project in Tampa Bay was a joint effort of Garmin, the FWC's Fish and Wildlife Research Institute (FWRI) and MAC. Mapping experts from FWRI and MAC members began discussing the concept more than a year ago and approached several Electronic Navigation Chart manufacturers with the idea. Garmin is the first, and so far only, company to incorporate the information in their GPS chart plotters. The digital files showing the zones were provided by FWRI.

With an increasing number of boaters using GPS units aboard their vessels, MAC members hope that showing the manatee speed zones on the units will help boaters more easily identify when they enter a manatee zone. Knowing precisely where the zones are, and how far they extend, enables boaters to help protect both manatees and the bay's shallow-water sea grass meadows.

The information is standard on all new Garmin GPSMAP units. Boaters may also purchase an SD card with updated navigational charts for the entire U.S. coast, the Bahamas and Intracoastal Waterways, including the speed and security zones in Tampa Bay, for \$199, with a \$125 refund upon return of the card to Garmin.

To view this press release online, visit [Garmin Teams with FWC and Manatee Group; Develops New GPS Units for Bay Boaters](#)

American Architects Name Top Ten Green Buildings for 2008

The American Institute of Architects (AIA) and its Committee on the Environment have named the top ten examples of sustainable architecture and green building design solutions for 2008. The efficient buildings draw on a variety of energy-saving technologies, including efficient lighting, daylighting, passive solar heating, natural ventilation, thermal mass, earth berms, and green roofs. For mechanical heating, the buildings draw on a range of technologies, including a wood-pellet boiler, radiant floor heating, and ground- and air-source heat pumps. Cooling technologies include demand-controlled ventilation and fans with variable-frequency drive motors. Four of the buildings employ displacement ventilation, which provides air at more moderate temperatures at low velocities, in a way that gradually displaces the stale air in the room with the fresh ventilation air. One of the top ten buildings, the Aldo Leopold Legacy Center even features "Earth tubes," pipes buried below the foundation to moderate the temperature of incoming ventilation air.



The Lavin-Bernick Center for University Life in New Orleans, Louisiana, is oriented to take advantage of prevailing breezes. Walls cooled with chilled water and air-cooled metal ceilings help to keep the building comfortable during hot summer days.

The buildings range from a temporary, modular building for exhibits to a high-rise condominium. Most are institutional buildings, including a library, a visitor center, two K-12 school buildings, two university buildings, and the headquarters for a foundation. The AIA's Top Ten Green Projects program is sponsored in part by DOE and the Energy Star program, a joint effort of DOE and the U.S. Environmental Protection Agency. The projects will be honored at the AIA 2008 National Convention and Design Exposition in Boston, Massachusetts, in mid-May. For more information see the [AIA Press Release](#) and see the [Top Ten List](#).

EERE Network News

UPCOMING CONFERENCES & WORKSHOPS

6 TH INTERNATIONAL CONFERENCE ON REMEDIATION OF CHLORINATED & RECALCITRANT COMPOUNDS	MAY 19-22	MONTEREY, CA	WWW.BATTELLE.ORG/ENVIRONMENT/ER/CONFERENCES/CHLORCON/DEFAULT.STM
AIR & WASTE MANAGEMENT ASSOCIATION CONFERENCE	JUNE 24-26	PORTLAND, OR	WWW.AWMA.ORG
GREATER EVERGLADES ECOSYSTEM RESTORATION CONFERENCE	JUL 28- AUG 1	NAPLES, FL	HTTP://CONFERENCE.IFAS.UFL.EDU/GEER2008
CREATING SOLUTIONS THROUGH COLLABORATIVE PARTNERSHIPS	OCT. 11	PROVIDENCE, RI	WWW.ESTUARIES.ORG/CONFERENCE

Employment Opportunities

Position	Employer	Contact	Info
Env. Specialist-Lake Mgmt Biologist	City of Lakeland	www.lakelandgov.net/civilservice/employment/current.html	Active management of urban lakes including field work, data analysis, plan and program development, and administrative implementation
Env. Specialist-Stormwater Utility Admin.	City of Lakeland		Interprets, applies, and recommends modifications to related ordinances.

TBAEP BOARD

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Vice President, Wendy Anastasiou
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Ryan.Oliver@Delta-Seven.com

TAMPA BAY ASSOCIATION OF ENVIRONMENTAL PROFESSIONALS

New Member? Yes No Renewal? Yes No Date _____

\$45 Chapter Membership *and* FAEP Membership \$10 Student Chapter Membership

National Association of Environmental Professionals Membership (optional)

\$150 NAEP only Dues (NAEP Member # _____)

First Name: _____ Last Name: _____

Title/Position: _____

Affiliation: _____

Address: _____

City: _____ State: _____

ZIP: _____ Phone (w): _____

Email: _____ Fax: _____

CEP? Yes No

May newsletter

Employment: Academic Government Private

Type of Work: (1) Environmental Management (2) Environmental Planning (3) Environmental Compliance

(4) Biology-Botany, Ecology, Wildlife Management (5) Engineering

(6) Law (7) Environmental Consulting (8) Other

Area of Expertise: (10) Impact Assessment (20) Design (30) Permitting

(40) Monitoring/Analysis (50) Teaching (60) Research

(110) Waste Management (120) Other

Degree(s)/Year _____ University _____

AFFIRMATION: I hereby affirm and agree that I will abide by the Code of Ethics of the Association. I further understand that falsification of the contents of this application will be grounds for rejection and/or termination of my Association membership and revocation of all benefits resulting there from.

Signature _____ Date _____

Questions?
Contact Greg Page
(Membership Services)
at 813-903-3124
Greg.Page@Arcadis-us.com

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PO Box 7416
St. Petersburg, FL 33734

Please register online and pay
by credit card @ faep.fl.org
or make checks out to FAEP