



TAMPA BAY ASSOCIATION OF ENVIRONMENTAL PROFESSIONALS

WWW.TBAEP.ORG

EXCLUSIVE, INTIMATE, & UNFORGETTABLE SHAMU

The National Association of Environmental Professional's 2007 Conference is going to be in Orlando this year. It is an excellent opportunity for FAEP and TBAEP members to attend the conference since it will be in our own backyard. Hey! That could be a new acronym-IOOBY! At any rate, it's a great chance to get to know EPs from many other parts of the country, and from other backgrounds and interests. There are a wide variety of tracks this year including:

- Brownfields/Redevelopment
- EHS Management Systems
- Environmental Issues in Real Estate
- Environmental Study and Research
- Geospatial Technology
- Homeland Security Issues & the Environment
- Land and Watershed Management
- NEPA Symposium
- Public Participation
- Sustainability/Smart Growth/Alternative Energy
- Transportation
- Water Rights & Water Quality
- Wetlands Restoration/Mitigation

Besides all of the technical information, we have some fun outings planned including Dinner with Shamu, a chance to dine at Shamu's private poolside table and interact with his friendly trainers. Additionally, on Tuesday, Dale Crider and John Hankinson will entertain with original lyrics fused with Florida blues-harp and acoustic guitar rifts to entertain and musically celebrate the Florida we enjoy so much. You can register for one day or the full three days of the conference. Check it out at: www.naep.org.

NAEP is soliciting student volunteers to help with the conference. The volunteers will staff the registration table, be room monitors, and help with other miscellaneous items that are needed. In exchange for working one of the days, the volunteers can attend the conference for the other two days for free. This is a great chance to meet hundreds of today's practicing professionals from all over the U.S. The conference is teeming with opportunities for the students as many firms are looking for recent graduates and interns. Please contact Bruce Hasbrouck at 813/261-5136 or bhasbrouck@fallerdavis.com if you are interested or know someone who may be interested in this opportunity.

February Meeting

Thanks to **Eric Hovland, Mike Terrell** and **The Florida Aquarium** for a great meeting on Feb. 21st at the Aquarium. We had our largest turnout yet for a monthly meeting. We also had about 12 students from UT and Eckerd College attend and make contacts for internships and jobs. Steve Newborn from WUSF 89.7 listened to Mike's presentation and interviewed him after the meeting. Steve will air his story after he goes out on one of the boats with Mike.

MARCH 2007

Mark your Calendar!

Upcoming Meetings:

- **Mar. 12 - 5PM**

University of Tampa

What do Environmental Professionals Really Do?

Hosted by the UT Student Chapter, Walker Hall, Lecture Hall A, map link below

- **Mar. 15 - 11:30-1:00**

EpiCenter at ICOT

Lake Seminole Dredging Project

Kelli Levy, Pinellas County

Joint luncheon with ASCE

- **Apr. 18 - 11:30-1:00**

Kimley-Horn

Highlights of the Proposed Gopher Tortoise Management Plan

Lynn Young

- **May. 16 - Luncheon**

Link to map to EpiCenter:

http://www.pced.org/download/document/20050526_170508_26332.pdf

NAEP

32ND ANNUAL CONFERENCE

Environmental Leadership:
Science, Education, Alliances
April 22-25, 2007 Orlando, FL

Go to: www.naep.org



**Penny for Pinellas
Parks, Recreation & Culture
Environment Restoration & Protection Projects**

Just in case you were wondering what the Penny for Pinellas sales tax has done for the environment and greenspaces of Pinellas County here are some of the past projects funded with Penny money, and some of the projects that will be funded by the **renewal** of the Penny. Remember to vote on March 13th.



1990-2000

- Endangered Land Acquisition
- Florida Botanical Gardens Infrastructure
- Walsingham Park
- Weedon Island Preserve & Learning Center
- Fort De Soto Improvements
- Boca Ciega Park & Facilities
- Brooker Creek Preserve Environmental Education Center
- Fred Marquis Pinellas Trail

2010-2020

- Repair/Replace Aging Park Facilities
- Purchase and Develop Countywide Boat Ramps
- Purchase Land for Parks
- Preserve/Enhance Boating Access Countywide
- Improve/Restore Weedon Island Preserve
- Restoration of Lake Seminole
- Acquire Land for Public Beach Access and Parking
- Expand Brooker Creek Preserve
- Improve Water Quality in Upper Tampa Bay
- Construct Regional Stormwater Facilities
- Improve the Water Quality of Cross Bayou Watershed

Where Are They Now?

TBAEP Founders and where they are today.

As a regular article of the TBAEP newsletter, we will have a feature on one of the founding members of TBAEP. The intent is to demonstrate that Environmental Professionals who became active with the organization have excelled at their jobs and have fulfilling careers. In July of 1991, Tom Cuba and James Hunting mailed a flyer to FAEP members in the Tampa Bay area to gauge the interest in establishing a local chapter. The first meeting was held at Fort DeSoto on July 26th, 1991.

Tom Cuba was the first President of TBAEP. He graduated from Texas A&M in 1973 with a Bachelor of Science degree in Zoology. After some time in the military, he earned his PhD in Marine Science from the University of South Florida in 1984.

Tom's first job was as a Biological Analyst with Pinellas County Department of Environmental Management (DEM). He was eventually promoted to the Environmental Manager of DEM and served in that position until 1996. Tom left the County to start his current company, Delta Seven, where he is the President.

Delta Seven is an environmental consulting firm that has grown to 10 employees. The company's primary geographical focus is Florida. They have also worked on projects in Missouri, New Jersey, and the Caribbean. When asked what they do, Tom replied "We focus on using good science and interpreting the regulations to help with permitting." Tom incorporates NAEP's "Code of Ethics and Standards of Practice" in each of his professional contracts.

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:

- | | |
|-------------------------|-------------------------|
| Sherry Bagley | Michael Bair |
| Shane Billings | Sherry Campagna |
| Suzanne Cooper | George Feher |
| William Fehring | Lindsay Fleming |
| Teri Hasbrouck | Jock Keiser |
| Daphne Lambright | Michael Lee |
| Mike Lodato | Dianne Magee |
| Jillian Norman | Reagan Quarg |
| John Segó | Robert Sellarole |
| Kiron Senapati | Meredith Sherman |
| Randy Smith | William Spinner |
| David Stedje | Lucien Tender |
| Mollie Taylor | Richard White |

104 Current Members

Employment Opportunities

Position	Employer	Exp.	Contact	Info.
Senior Biologist	EarthBalance-Davenport Office	5 yrs	Kburnett@earthbalance.com	Permitting, Project Management

University of Tampa Student Chapter

The next meeting of the University of Tampa Student Chapter will be on **March 12, at 5PM**. We have a slate of speakers that are TBAEP members that will be describing what they do everyday to the students. This meeting is an excellent opportunity to interact with college students who would like to know what it is like to be an Environmental Professional in today's work environment. Stick around after the presentations for one-on-one interaction with the students. Every TBAEP member is welcome to come and enjoy this unique opportunity.

The meeting will be held in Lecture Hall A at Walker Hall. Building #67 on the map:

<http://static.ut.edu/future/campusvisit/campusmap.cfm>

Check out these sites for internship opportunities:

For Florida Fish & Wildlife Internships go to: <http://research.myfwc.com/careers/>

Manatee Tracking Project Research Intern or Volunteer

http://research.myfwc.com/features/view_article.asp?id=23644

Go to <http://www.naep.affiniscape.com/displaycommon.cfm?an=1&subarticlenbr=48> for national internship opportunities.

Hybrid Cars

US sales of gas-electric hybrid vehicles rose 28% from 2005 to 2006, but the rate of growth is starting to slow, says a company that analyzes automotive industry data. Consumers bought 254,545 hybrids last year as gasoline prices hit \$3 per gallon or more for much of the year, up from 199,148 in 2005, according to nationwide auto registration data compiled by R.L. Polk & Co. The rate of growth was the second-slowest since 2000, in large part because car buyers have more environmentally friendly options, plus expiration of some tax credits on Toyota hybrids, said Lonnie Miller, directory of industry analysis for R.L. Polk. Miller expects the growth to continue, though, because demand is still strong and three new hybrid models are in the works this year.

From St Pete Times

Kayak for Free, Do a Good Deed

Get an hour's rental in exchange for bagging trash at Clam Bayou. Kurt Zuelsdorf, an 18-year resident of Gulfport, hopes to draw attention to the large amounts of trash and debris and clean up the park by offering free kayak rentals in return for a bag of trash collected from the waterways of Clam Bayou. Bring Back the Bayou will provide a kayak for one hour in return for filling a black garbage bag with litter from the water or mangroves. The kayak rentals usually cost \$15 for a single or \$25 for a double for an hour. Kayak Nature Adventures is just south of Miriam Street and 29th Avenue in Gulfport. The program began Mar. 5th and runs from 4 to 6PM Mondays, Tuesdays and Wednesdays, weather permitting. The program is scheduled to run for 3 months. For reservations or information contact Kurt at 727-418-9728 or

Kurtz@kayaknature.com.

From St Pete Times

Spuds Steal the Plastics Market

Start saying goodbye to Styrofoam containers and plastic cutlery. Since these polystyrene products are nonrecyclable and nonbiodegradable (unlike other plastics), West Coast cities are voting them out of existence. Portland, Oakland, and Santa Monica had bans in place by January. San Francisco will clamp down on June 1, and Seattle is mulling a prohibition. Those laws affect not only the industry that ships roughly 39 billion pieces of plastic cutlery a year, but restaurants, conference centers, and corporate cafeterias too. On the flip side, they mean a big opportunity for makers and distributors of bioplastics. Tableware derived from corn and sugar is already taking off, thanks to backing from giants like DuPont and Dow Chemical. But the most innovative bioplastic cutlery is **SpudWare**, made from potato starch and soybean oil, which is more heat-resistant than its rivals. Manufactured in China, SpudWare cutlery was named and is distributed by Excellent Packaging & Supply, a three-year-old company in Richmond, Calif. EPS is already profitable, with revenue of about \$5 million. "We've grown 40% a year for the past two years," says EPS co-founder Allen King. "And all of our growth is from green products". Other Earth-Friendly Tableware is produced from sugarcane pulp (BagasseWare) and corn resin (NatureWorks).

From Business 2.0

BMW Hydrogen 7

BMW has introduced a 7 series sedan turned prototype for a clean-energy vehicle running on liquid hydrogen. It's not a fuel-cell vehicle like those being developed by Ford and GM, which use compressed hydrogen gas to charge batteries that then power electric motors. It's for high-profile hydrogen evangelists with enough influence or fame to sell skittish Americans on the notion of hydrogen as an energy source. It has a 260-hp V-12 combustion engine that seamlessly switches between gasoline and hydrogen at the push of a button on the steering wheel and emits virtually nothing but water vapor. There's a fire extinguisher under the seat!! BMW plans to release 25 of the H-7s this year. This is less a sound business decision than a sort of environmental outreach program, of which the H-7 is the shiniest component. The H-7's array of NASA-style sensors monitor its tanks, fuel lines, and interior for leaks, and should a breach be detected, the car kills the engine and swiftly vents the gas. No word on the price.

From Business 2.0

Discover More



It's never too early to plan your kid's summer escapades. This year, discover Pinellas County's six camp locations offering more than a dozen programs geared to adventurous, curious and fun-loving youngsters. Explore the wonders of nature, art and living history at Brooker Creek Preserve, Weedon Island Preserve, Sawgrass Lake Park, Heritage Village at Pinewood Cultural Park, Boca Ciega Millennium Park and Wall Springs Park. **Info:** (727) 464-3000
www.pinellascounty.org/summercamps

State Releases 2007 South Florida Environmental Report

DEP and SFWMD released the 2007 South Florida Environmental Report detailing a year of scientific, engineering and restoration work to improve the environmental quality of America's Everglades and the entire South Florida ecosystem. Key findings in the report include:

- Florida's 41,000 acres of treatment wetlands captured and treated nearly 1.5 M acre-feet or 488 billion gallons of water during Water Year 2006 - improving the quality of water flowing into the Everglades and reducing phosphorus loads by close to 70%.
- Best farming practices in the Everglades Agricultural Area prevented 118 metric tons of phosphorus from entering the River of Grass.
- Since their implementation, best farming practices and stormwater treatment areas have prevented 2,500 metric tons of phosphorus -the equivalent weight of more than 2,000 average-sized cars- from entering the Everglades.
- In a single year and ahead of schedule, Florida expanded and enhanced three Stormwater Treatment Areas, increasing available treatment area by 5,336 acres.
- Closing on a final 13,000 acres in 2006, Florida completed the 102,064-acre land acquisition needed for the restoration of the Kissimmee River. The \$578 million program to rescue the river is demonstrating environmental returns. Wading birds and waterfowl are returning to the restored floodplain with an estimated 657 nests observed in 2006. For more, including a 52-page executive summary is available online at www.sfwmd.gov/sfer/.

From: DEP News

Governor & Cabinet Approve 2007 Florida Forever Lists

Continuing Florida's commitment to preserving the state's natural resources and threatened habitats, Gov. Charlie Crist and the Florida Cabinet approved revisions to the *Florida Forever* land acquisition lists. Proposed by the Acquisition and Restoration Council (ARC), the lists outline Florida's priorities for land acquisition over the next year. Changes to the *Florida Forever* lists include:

Projects Completed: Babcock Ranch, completed.

Projects Moved From Group B to Group A: Atlantic Ridge Ecosystem, Baldwin Bay/St Marys River and Ichetucknee Trace, willing sellers.

Projects with Boundary Amendments: Bombing Range Ridge, addition of 3,189 acres; Caber Coastal Connector, addition of 1,709 acres; Flagler County Blueway, addition of 20 acres; Florida's First magnitude Springs, addition of 305 acres; Lake Wales Ridge Ecosystem, addition of 11,444 acres; Ochlockonee River Conservation Area, addition of 1,025 acres; Osceola Pine Savannas, addition of 5,529 acres; Pumpkin Hill Creek, addition of 713 acres; Twelve Mile Swamp, deduction of 2 acres and Wekiva-Ocala Greenway, addition of 77 acres.

The 10-year, \$3 billion Florida Forever program established by the Florida Legislature in 1999 conserves environmentally sensitive land, restores waterways and preserves important cultural and historical resources. For more information on each project, visit www.FloridaForever.org.

From DEP News

Solar Energy from Brownfields

PVOne LLC, a leading developer and financier of large-scale solar power generation systems, announced recently its role in the development of a "*Brownfields to Brightfields*" solar energy project poised to be the largest photovoltaic (PV) array in Florida and among the largest in the Southeast US. The project should be operational in the second quarter of 2007.

The 250-KW PV system will be located at Rothenbach Park in Sarasota County, FL, on the site of the former Bee Ridge Landfill. Covering an area of 28,000 square feet, the solar energy system will utilize 1,200 photovoltaic panels and will connect directly to the distribution grid. When operational, the solar energy system will produce enough electricity to meet the needs of 50 homes on an annual basis, and prevent 10,500 tons of the greenhouse gas CO² from entering the atmosphere over its operational life - the environmental equivalent of avoiding the use of 1.1 million gallons of gasoline.

PVOne negotiated the site lease with Sarasota County officials, and a Green Solar Tag Agreement for installation for the PV system. PVOne also brought together experienced industry and financial partners to develop the first solar energy system under Florida's Sunshine Energy Program, a voluntary green power program offered to residential and commercial customers who want to support cleaner, renewable electric generation. PowerLight Corporation, a subsidiary of SunPower Corp., will work with PVOne to deploy the solar power system, and provide operation and maintenance services; third-party financing will be used to finance the \$2.5 M "*Brownfields to Brightfields*" project.

From Business Wire

UPCOMING CONFERENCES

INTERNATIONAL CONFERENCE ON SOLID WASTE TECHNOLOGY & MANAGEMENT	MAR 18	PHILADELPHIA	www2.widener.edu/~sxw0004/call.html
ENGINEERING SUSTAINABILITY 2007	APR 15-18	PITTSBURGH	www.engr.pitt.edu/msi/2007conference/confmain.htm
NAEP ANNUAL CONFERENCE	APR 22-25	ORLANDO	WWW.NAEP.ORG
INTERNATIONAL SOIL AND WATER CONSERVATION SOCIETY-INVASIVE SPECIES SYMPOSIUM	JULY 21-25	TAMPA	WWW.SWCS.ORG
FLORIDA BROWNFIELDS ASSOCIATION 10 TH ANNUAL CONFERENCE & EXHIBITION	Nov. 7-9	ORLANDO	WWW.FLORIDABROWNFIELDS.ORG

Solar Powered Boat Successfully Crosses the Atlantic

A solar-powered catamaran arrived in the harbor of Le Marin, Martinique, on February 2nd, making it the first motorized vessel to cross the Atlantic without using any fuel. Called the "sun21," the boat left the Canary Islands 30 days before, managing to travel as much as 107 nautical miles per day, which rivals the speed of a similar-sized sailing vessel. Developed and sponsored by the Swiss Transatlantic21 Association, the sun21 was originally scheduled to stop in Cape Verde, but after making good headway on their departure from the Canary Islands, the crew decided to head directly to Martinique. The boat will next hit several ports of call in the Caribbean Islands before heading to Miami, Florida, and then proceeding to New York City in May. For great pictures and more information go to: www.transatlantic21.org

TBAEP BOARD

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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

Mar 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 Teri Hasbrouck
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