



## TAMPA BAY ASSOCIATION OF ENVIRONMENTAL PROFESSIONALS

WWW.TBAEP.ORG

### APRIL IS WATER CONSERVATION MONTH

Governor Jeb Bush and the Florida Cabinet have acknowledged April as Water Conservation Month. The FDEP, together with the Florida section of American Water Works Association, endorsed the proclamation recognizing the importance of preserving and protecting the quality and supply of Florida's water for future generations.

"Florida is working to ensure a reliable supply of water for the future by pursuing state and local partnerships, adopting smart management practices and implementing conservation strategies," said DEP Secretary Colleen M. Castille. "By using water wisely we can protect rivers, springs and wetlands, ensure a reliable supply of water for the state's natural resources and identify water needs for our growing economy."

Florida is home to 50,000 miles of rivers and streams, more than 700 freshwater springs and draws 92% of the state's drinking water from underlying aquifers. The Sunshine State is recognized as a national leader in water management, conservation and reuse. In 2005, DEP's Clean Water State revolving Fund was recognized by the US EPA for the State's efforts to promote water conservation and reuse. Since its inception in 1988, Florida's State Revolving Fund program has awarded more than \$2 billion in loans for water quality protection projects, including funding 83 water reuse projects totaling more than \$260 million.

Along with public water quality, restoration and conservation programs, Floridians can adopt simple habits to protect the environment and preserve water:

- Fix water leaks. Homeowners lose an average of 25 gallons of water a day through leaky water devices.
- Take shorter showers, and install a low-flow showerhead.
- Repair dripping faucets. If your faucet is dripping at a rate of one drop per second, you can waste 2,700 gallons per year.
- Do not leave sprinklers or hoses unattended. A garden hose can pour out 600 gallons or more in only a few hours.
- Reuse household water for irrigation.
- Replace conventional toilets that use up to five gallons per flush with water-efficient, low-flow toilets.

For more tips on water conservation, visit:

[www.dep.state.fl.us/secretary/news/2006/water\\_tips.htm](http://www.dep.state.fl.us/secretary/news/2006/water_tips.htm).

From DEPNEWS

### TBAEP APRIL MEETING

Please join us at our April meeting on Saturday, April 8<sup>th</sup> to participate in our spring community service project at the Cross Bayou Canal and Joe's Creek Cleanup, sponsored by Pinellas County and Keep Pinellas Beautiful. The event starts at 8:30 AM. To participate, call Robert McWilliams at 464-4425.

### TBAEP MAY MEETING

Andy Squires, from Pinellas County Department of Environmental Management, will talk about wastewater spills reported from one year in the Tampa Bay watershed that were tabulated to estimate potential nitrogen loadings to Tampa Bay.

APRIL 2006

### Mark your Calendar!

#### Upcoming Meetings:

- **Apr. 8 - 8:30-12:30 (Sat.)**

**Cross Bayou Cleanup**

**Community Service Project**

**See attached flyer**

- **May 17 - 4:30PM**

**Andy Squires**

*Wastewater Collection System*

*Spills: How Do They Impact*

*Nitrogen Loading to Tampa Bay?*

**EpiCenter at ICOT**

- **June 21**

**Amanda Ransone/Sierra Club**

*Red Tide & Coastal Pollution*

- **July 19**

**FAEP Annual Meeting at**

**Marco Island Chamber**

**Permitting School**

### NAEP

#### 31<sup>ST</sup> ANNUAL CONFERENCE

Global Perspectives

on Regional Issues:

The Future for Environmental

Professionals in the Next 30 Years

April 23-26 Albuquerque, NM

Go to: [www.naep.org](http://www.naep.org)



## LOCAL GOVERNMENT ENVIRONMENTAL ASSISTANCE NETWORK

### Suncoast Earth Force 6<sup>th</sup> Annual Youth Summit

#### Sharing Our Passion for the Environment

Wednesday, April 12<sup>th</sup> 10:00-1:15

The Summit will be held outdoors at Al Lopez Park, Tampa.

The Summit brings together youth, educators, and community partners who have been involved with Earth Force programs this past year. It is a day of education and celebration for Earth Force participants and partners. Approximately 500 students will be participating this year. To volunteer contact Executive Director Cindy Benkert at 727-521-1403 or [cbenkert@earthforce.org](mailto:cbenkert@earthforce.org).

## 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:

**Miles Ballogg  
Chris Given  
Rick Grosira  
Mike Lodato  
Darryl Paul  
Michele L. Valdes  
Bill Fehring**

### Two Hybrids Pay for Themselves in Gas Savings

Consumer Reports announced a rare revision of one of its articles last week, correcting a story that found the extra cost of hybrid vehicles is not reclaimed through savings on gasoline. In fact, a recalculation by the consumer magazine concluded that the Toyota Prius and the Honda Civic Hybrid will save their owners about \$400 and \$300 respectively, over the first five years and 75,000 miles of driving, thanks in part to federal tax credits. Other hybrids would cost their owners from \$1,900 to \$5,500 more than their gasoline-only counterparts. However, some states offer incentives that tip the scale more in favor of hybrid vehicles, a factor not accounted for by the magazine. Anyone considering buying a hybrid should check the ACEEE Web site ([www.aceee.org](http://www.aceee.org)), which includes estimates of the federal tax credit for all current and upcoming hybrids. On the state level, DOE's AFDC lists the incentives available for hybrids and alternative fuel vehicles: [www.eere.energy.gov/cleancities/afdc](http://www.eere.energy.gov/cleancities/afdc).

### EPA REGION 4 ACCOMPLISHMENTS REPORT

A recently released EPA report - *EPA Region 4 Accomplishments Report* - is organized around EPA's five Strategic Goals - Clean Air; Safe and Clean Water; Land Preservation and Restoration; Healthy Communities and Ecosystems; and Compliance and Environmental Stewardship. The report is available at: [www.epa.gov/region4/about/accom\\_reports/fy2003\\_2004.pdf](http://www.epa.gov/region4/about/accom_reports/fy2003_2004.pdf)

U.S. EPA News Briefs

### EPA & Corps Move to Improve Wetlands Restoration and Conservation

The EPA and Corps are proposing a new rule to ensure more effective wetlands restoration and preservation nationwide. The agencies' rule, being published for public comment, proposes improved science and results-oriented standards to increase the quality and effectiveness of wetlands conservation practices under the CWA. The proposed rule:

- Responds to recommendations of the NRC to improve the success of wetland restoration and replacement projects;
- Sets clear science-based and results-oriented standards nationwide while allowing for regional variations;
- Increases and expands public participation;
- Encourages watershed-based decisions; and
- Affirms the "wetlands mitigation sequence" requiring that proposed projects fully avoid and minimize potential wetland impacts.

The proposed rule combines accountability and flexibility. Increased reliance on innovative, market-based approaches is expected to promote the expansion of wetland banking, which is one of the most reliable and environmentally effective methods of wetland replacement. For more information regarding compensatory mitigation and how to provide comments on the proposed standards, see [www.epa.gov/wetlandsmitigation](http://www.epa.gov/wetlandsmitigation).

U.S. EPA News Briefs

### ISLAND FEST

On Saturday, May 6<sup>th</sup> and Sunday May 7<sup>th</sup> at Honeymoon Island State Park in Dunedin, the 3<sup>rd</sup> Annual Island Fest is going to take place. Island Fest is an educational and environmental event that serves to enhance awareness about our natural environments and how to preserve them. There will be educational displays from state and local environmental agencies, nature themed art projects, environmental demonstrations, and guided walks on the Nature Trail there.

## Florida Acceler8 Project Bringing Benefits to St. Lucie Estuary & Indian River Lagoon

In another milestone for Florida's Everglades Acceler8 initiative, State Senator Ken Pruitt, FDEP Secretary Colleen M. Castille and SFWMD officials today marked construction on the \$330 million C-44 St Lucie Canal Reservoir and Stormwater Treatment Area. Part of the State's plan to fast track the restoration of America's Everglades, the massive reservoir and treatment wetland will capture, store and treat water from the 116,516-acre C-44 basin to improve water quality, revitalize wildlife habitat and improve the health of the St. Lucie Estuary and Indian River Lagoon.

Water managers are constructing two temporary four-acre reservoirs, known as test cells that will provide storage for more than 39.1 million gallons of water. The test results will ultimately be used to enhance the timing and delivery of water flow to the St. Lucie Estuary. The SFWMD is also building two test areas of treatment wetlands to determine the best grading techniques and vegetation growth conditions for the construction of larger stormwater treatment areas that will use plants to naturally cleanse excess nutrients from water. Slated for completion in three months, the pilot projects will provide engineers with critical water quality and seepage information to design and build the entire C-44 reservoir and Stormwater treatment area on former agriculture land.

From DEPNews

## UPCOMING 2006 CONFERENCES

NAEP 31 <sup>ST</sup> ANNUAL CONFERENCE GLOBAL PERSPECTIVES ON REGIONAL ISSUES	APR 23-26	ALBUQUERQUE, NM	<a href="http://WWW.NAEP.ORG">WWW.NAEP.ORG</a>
THE COASTAL SOCIETY'S 20 <sup>TH</sup> BIENNIAL CONFERENCE	MAY 13-18	ST. PETE BEACH, FL	<a href="http://WWW.THECOASTALSOCIETY.ORG">WWW.THECOASTALSOCIETY.ORG</a>
RESTORATION 2006	MAY 16-17	NEW ORLEANS	<a href="http://WWW.RESTORATION2006.ORG">WWW.RESTORATION2006.ORG</a>
CONTAMINATED AND HAZARDOUS WASTE SITE MANAGEMENT	JUNE 12-16	TORONTO, ONTARIO	<a href="http://WWW.CONTAMINATEDSITE.COM">WWW.CONTAMINATEDSITE.COM</a>
FLORIDA CHAMBER'S 20 <sup>TH</sup> ANNUAL ENVIRONMENTAL PERMITTING SUMMER SCHOOL	JULY 19-21	MARCO ISLAND	<a href="http://WWW.FLORIDAENET.COM">WWW.FLORIDAENET.COM</a>
FLORIDA LOCAL ENVIRONMENTAL RESOURCE AGENCIES	AUG 2-4	HYATT ON SARASOTA BAY	<a href="http://WWW.FLERA.ORG">WWW.FLERA.ORG</a>
FLORIDA BROWNFIELDS CONFERENCE	OCT	MIAMI	<a href="http://WWW.FLORIDABROWNFIELDS.ORG">WWW.FLORIDABROWNFIELDS.ORG</a>
FLORIDA REDEVELOPMENT CONFERENCE	OCT 18-20	MIAMI	<a href="http://WWW.REDEVELOPMENT.NET">WWW.REDEVELOPMENT.NET</a>
US EPA NATIONAL BROWNFIELDS CONFERENCE	NOV 13-15	BOSTON	<a href="http://WWW.BROWNFIELDS2006.ORG">WWW.BROWNFIELDS2006.ORG</a>
FLORIDA REMEDIATION CONFERENCE	NOV 14-15	KISSIMMEE	<a href="http://WWW.ENVIRO-NET.COM">WWW.ENVIRO-NET.COM</a>

### PINELLAS COUNTY ENVIRONMENTAL FUND GRANT OPPORTUNITY

The National Fish and Wildlife Foundation and Pinellas County, in cooperation with NOAA, are pleased to request pre-proposals for projects that improve local watershed management efforts and protect and restore fish, wildlife, and plant populations in the Tampa Bay watershed. The Pinellas County Environmental Fund supports activities that educate the local public and stakeholders, forge partnerships between government and local organizations and schools, and develop creative and sustainable solutions to natural resource challenges. Specific priorities for funding include habitat conservation and restoration, invasive species management, environmental education, and species conservation. The next pre-proposal deadline is April 1, 2006, with full proposals due June 1, 2006. Application information is available online at [www.pcef.org/grantprograms.html](http://www.pcef.org/grantprograms.html). Only electronic pre-proposals submitted through the on-line pre-proposal form will be considered.

### MarineQuest

This event is open to the public and takes place on Saturday, April 22 (10-4) at the Fish & Wildlife Research Institute in St. Petersburg. The event features outdoor displays, laboratory tours, and hands-on demonstrations. Be sure to stop by the Tampa Bay Watch booth and say hi!

### Two Philadelphia-Area Men Charged with Dumping Untreated Sewage into the Delaware River

Two men were charged March 9 in US District Court with two counts of allegedly violating the CWA. The defendants were employed at the local WWTP. The first count alleges that both men caused thousands of gallons of untreated sewage and sludge to be discharged into the Delaware River. The second state that both men allegedly allowed effluent samples to be tampered with.

Would you like to know what the average salary is for an Environmental Professional in the Tampa Bay Region?

Check out our website at [www.tbaep.org](http://www.tbaep.org) under Announcements



### Brooker Creek

#### April Featured Events

- 1st Micro-Irrigation Workshop
- 5th The Energy Efficient Home
- 8th Marjorie Kinnan Rawlings Revisited
- 13th Book Time: *All Around Me I See*
- 15th Morning Bird Walk
- 19th It is Kind of Fun to do the Impossible
- 22nd The Zen of Butterfly Photography
- 27th Book Time: *The Tiny Seed*
- 28<sup>th</sup> Developing a Winning Edge

Call Brooker Creek: 727-453-6800 for detailed info.  
Check out their Sat. & Sun. guided hikes and their  
Wed. night walks, it's great family fun!

### Student Chapter Update

The University of Tampa Student Chapter has been very busy this year. They will soon be finalizing the adoption of McKay Bay Nature Park as part of the Mayor's Beautification Adopt a Shoreline project. Along with Beta Beta Beta (BBB) and the Environmental Protection Coalition (EPC), they went camping and canoeing at the Myakka River at the end of March.

In April the groups have planned two symposia; the Sierra Club will come give a presentation on Red Tide and they will also have a speaker about shark feeding.

The Chapter has a number of activities planned for Earth Day including:

- An organic foods BBQ at UT,
- Participation in the Great American Cleanup, and
- Decorating paper grocery bags at local elementary schools for the Earth Day Bags Project.

To wind up the year, the chapter is planning a get together at Fort DeSoto. But, before they head off to various summer destinations they are already planning fall semester activities. They plan to have their recycling program up and running for the fall. This is a campus program the students have been working on for some time. Additionally, TBAEP is working on a shadowing program where our members will have a student shadow them at work so that the students can observe an Environmental Practitioner practicing their craft. **If you are willing to allow a student to shadow you at work next fall, please contact Bruce Hasbrouck at [BHasbrouck@FallerDavis.com](mailto:BHasbrouck@FallerDavis.com).**

### Employment Opportunities

Position	Employer	Exp.	Contact	Info.
Project Geologist	ARCADIS	5-8 years	<a href="mailto:gpage@arcadis-us.com">gpage@arcadis-us.com</a>	Env. Consulting
Sci/Eng 1	ARCADIS	1-3 years	<a href="mailto:gpage@arcadis-us.com">gpage@arcadis-us.com</a>	Env. Consulting
Environmental Scientist	Avid Engineering	6 years	<a href="mailto:ARobertson@avideng.com">ARobertson@avideng.com</a>	Consulting/wetlands Listed species
Botanist	Delta Seven	0 years	<a href="mailto:postoffice@delta-seven.com">postoffice@delta-seven.com</a>	Field/office/ research
Biologist	Earth Balance	2+ years	<a href="mailto:Kburnett@earthbalance.com">Kburnett@earthbalance.com</a>	Consulting/wetlands Listed species
Biologist PM	Earth Balance	2+ years	<a href="mailto:Kburnett@earthbalance.com">Kburnett@earthbalance.com</a>	Ecosystem restoration
Environmental Specialist	Environmental Affairs Consultants	0-2 years	<a href="mailto:mburton@eac-inc.com">mburton@eac-inc.com</a>	Consulting/wetlands Listed species
GIS Database Developer	Photo Science	2-3 years	<a href="mailto:rhudson@photoscience.com">rhudson@photoscience.com</a>	ArcGIS & ArcSDE
GIS Application Developer	Photo Science	2-3 years	<a href="mailto:rhudson@photoscience.com">rhudson@photoscience.com</a>	ArcIMS
GIS Application Developer	Photo Science	2-3 years	<a href="mailto:rhudson@photoscience.com">rhudson@photoscience.com</a>	ArcObjects
Ecologist	Quest Ecology	2-2 years	<a href="mailto:Vivienne@questecology.com">Vivienne@questecology.com</a>	Wetlands
Environmental Specialist	Tampa Bay Watch	1+ years	<a href="http://www.tampabaywatch.org">www.tampabaywatch.org</a>	Coastal restoration & protection
Volunteer & Membership Coordinator	Tampa Bay Watch	3 years	<a href="http://www.tampabaywatch.org">www.tampabaywatch.org</a>	Volunteer mgmt. & communication
Geologist or Engineer	TBE Group	0-4 years	<a href="http://www.tbegroup.com">www.tbegroup.com</a>	Field work Spreadsheets ACAD
Sr. Environmental Scientist	URS Corp	5-7 years	<a href="mailto:Chase_Reed@URSCorp.com">Chase_Reed@URSCorp.com</a>	Consulting/wetlands Listed species

Check out [www.eco.org](http://www.eco.org) for other Environmental Internship opportunities!

## **Student Job Placement**

We'd like to congratulate three USF graduates that were recently hired through the TBAEP network of Environmental Practitioners. Congratulations to **Adrienne Hemphill**, **Angela Machado**, and **Josh Kohlbecker**. Adrienne has been hired by Faller Davis & Associates, Inc. as an Environmental Specialist and will be working on Environmental Compliance at the Tampa Airport Interchange project and other permitting activities. Angela has been hired by Reynolds, Smith and Hills as an Environmental Specialist and will be working on the Cypress Creek wellfield. Josh has been hired by CH2MHill and will be assisting with field investigations and permitting for port projects.

### **TBAEP BOARD**

**President, Bruce Hasbrouck**  
BHasbrouck@FallerDavis.com

**Treasurer, Bill Brammell**  
WBB@johnsoneng.com

**At-Large Member, Steve Swingle**  
SSwingle@ch2m.com

**At-Large Member, Mindy Hogan**  
Melinda.Hogan@saj02.usace.army.mil

**Secretary, Mike Lodato**  
Mlodato@geosyntec.com

**Membership Services, Teri Hasbrouck**  
THasbrouck@PinellasCounty.org

**Vice President, Heather Faessler**  
Heather.Faessler@myclearwater.com

**Past President, George Feher**  
GFeher@tampabay.rr.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: \_\_\_\_\_

CEP?  Yes  No

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  
(Membership Services)  
at 727-464-7319  
THasbrouck@PinellasCounty.org

**Mail to:**  
TBAEP  
Bruce Hasbrouck  
Faller Davis & Associates, Inc.  
5525 W Cypress St., Suite 300  
Tampa, FL 33607

Please make checks out to TBAEP

Fax: \_\_\_\_\_

April newsletter