AWRA Florida Section Meeting – November 6, 2015
Technical Session - Daytona State College News-Journal Center (221 N. Beach Street, Daytona Beach) 9:00 am – 5:00 pm
Networking Reception - Wine-Me, (204 S. Beach Street, Daytona Beach) 5:30 pm – 7:30 pm
Board Meeting - November 5, 2015, Best Western Aku Tiki Hotel, Bali Room (2225 S. Atlantic Avenue, Daytona Beach) 5:00 pm - 7:00 pm

ALL A-ShORE WHO’S COMING A-ShORE!

The final meeting of the Florida Section AWRA for 2015 will be a special event – ShORE 2015 (“Sharing our Research with Everyone!”) – a daylong symposium on the Indian River Lagoon (IRL) featuring the work of undergraduate and high school students together with recognized scientists throughout the region. The symposium will be held at the beautiful Daytona State College News-Journal Center on the banks of the Halifax River in Daytona Beach (221 N. Beach Street).

This unique conference is being hosted by the Florida Section AWRA, the Daytona State College Institute of Marine and Environmental Studies (IMES) and the Marine Discovery Center in New Smyrna Beach. It will provide an excellent opportunity for student researchers who are participating with oral presentations to share the stage with professionals working on the lagoon. As Dr. Debra Woodall, director of the Institute for Marine and Environmental Studies notes, “High school seniors and college undergraduates are highly capable of performing good science but often lack the opportunity to communicate their findings.”

In addition to presentations throughout the day, ShORE 2015 will also feature a student IRL research poster contest. Cash awards will be presented to the top-ranked student presentations and posters. Attendees will be invited to select their favorite poster as well, and we will recognize a People’s Choice poster award.
ShORE 2015 is designed as a symposium that will bring together scientists, academics, water resource managers, students and the public to share information and learn about the latest developments in the Indian River Lagoon – the most diverse estuary in the country that spans the coastline of six Florida counties bordering the Atlantic Ocean. The symposium is free and open to the public; however, attendees are asked to register in advance at the AWRA website (www.awraflorida.org). Registrants may wish to order a box lunch ($15) and/or a t-shirt ($10). And, when registering, we hope you will consider signing on as a symposium sponsor: SeaShORE - $250; ShORE Bird - $500; ShOREline - $750; ShORE Thing - $1000.

**SCHEDULE**

ShORE 2015 will kick off on November 6th with student registration at 8:00 am followed by general registration at 8:30 am. The program will get underway at 9:00 am and conclude at 5:00 pm following a keynote speech and awards ceremony. After the symposium, a social networking session will be held at Wine-Me, 204 S. Beach Street (a few blocks walking distance from the News-Journal Center) from 5:30-7:30 pm.

On Thursday evening, November 5th the Florida Section AWRA board meeting will be held in the Bali Room of the Best Western Aku Tiki Hotel from 5-7 pm (see address and directions, following). A dutch treat dinner in the hotel restaurant will follow. Members welcome!

**ACCOMMODATIONS**

A block of 30 rooms has been reserved for the nights of Thursday, November 5th and Friday, November 6th at the Best Western Aku Tiki Inn, beachfront at 2225 S. Atlantic Avenue, Daytona Beach Shores. Please call 800 258-8454 to reserve your rooms. Although the early rate has expired, mention AWRA when you register and they may still honor it. The rate includes a daily breakfast, a daily open bar cocktail hour and other amenities. Consider arriving early or staying on after the symposium to enjoy lovely Daytona Beach – the World’s Most Famous Beach!

For those of you staying over on the night of November 6th, you may want to check out the Halifax Art Festival that begins at 9 am on November 7th. It takes place on historic Beach Street at the riverfront shops of Daytona Beach. Hundreds of artists and artisans from around the country will be featured along with children’s activities, a student art competition, live entertainment and festival food. A splendid way to wrap up your stay in Daytona Beach!

Questions?? Contact Cathy Vogel - 386 673-8924, ccbvogel@gmail.com
AWRA Florida Section Meeting
Daytona State College News-Journal Center
221 N. Beach Street, Daytona Beach

TECHNICAL AGENDA

Thursday, November 5th
5 - 7pm  Florida Section Board Meeting (all are welcome to attend) Best Western Aku Tiki Hotel

Friday, November 6th - ShORE 2015 Agenda
8:00  Student Registration/Reception (2nd floor mezzanine)
8:30  Public Registration Opens

Morning Session
9:00  Welcome and Sponsor Thanks
9:15  Rocking the Cradle: A New Birth for a Troubled Estuary - Maurice Sterling, Former Director, Indian River Lagoon National Estuary Program
9:30  Data Availability Shouldn’t be a Mystery - Al Hill, Volusia County
9:45  Project H2O - Ginger Adair, Volusia County Environmental Management
10:00 The Importance of Swimming with a Buddy: Survival strategies of Indian River Lagoon Seagrasses - Lori Morris, St. Johns River Water Management District
10:30  Break
10:45  Dolphins in the Indian River Lagoon - Wendy Noke, Hubbs-Sea World Research Institute
11:00  Update of Oysters on Florida’s East Coast - Linda Walters, University of Central Florida

Student Oral Presentations
11:15  Use of Satellite Imagery for Estuarine Water Studies - Kwanza Johnson, Bethune-Cookman University
11:30  Rosebay: Disaster to Legacy - Quinn Zacharius, Deland High School
11:45  Sounds of the Indian River Lagoon - Brent Meister, Daytona State College

12:00 – 1:15 Lunch And Student Poster Session

- Establishing Sampling Sites to Conduct of Continuous Study of Water Quality of Three Fresh Water Discharges into the Indian River Lagoon - Joseph ‘Jody’ Benet, Daytona State College
- Natural Recruitment of the Red Mangrove: sediment type as a limiting factor in root structure development - Suzanne Connor, University of Central Florida
- Preventing Introductions to Sustain Healthy Ecosystems: Establish Eradication Protocols for a Popular Aquarium Seaweed - Julie Deslauriers, University of Central Florida
- Filtration of Excess Phosphorous and Nitrogen from Nutrient-rich Water Using Spartina alterniflora and Rhizophroa mangle - Paige Jaffe, University of Central Florida
- Exploring Relationships Between Environmental Conditions and Horseshoe Crab Spawning Activity - Courtney Lewis, Daytona State College
- Trophic Diversity of the Barnacle Amphibalanus ebumeus throughout the Indian River Lagoon - Malcolm Mossop and Arthur Domingos, Smithsonian Marine Station
- Effects of Grain Size on Red Mangrove Root Development in Canaveral National Seashore - Christian Pilato, University of Central Florida
- The Effects of Leaf Herbivory on Established Seedlings of the White Mangrove - Frank Suarez, University of Central Florida
- An Educational Protocol Integrating Citizen Science Based upon the 2015 Ponce Inlet Jetty Survey Project - Thoren Perego, Atlantic High School
- Population in Florida Threatened by Sea Level Rise - Emily Niederman, Stetson University
Save the Date – Upcoming Meetings in 2016

Please be aware that the meeting locations are subject to change.

January 15 - Ft. Myers, the 25th Annual Southwest Florida Water Resources Conference
March - Steinhatchee
May - Tampa
August 4-5 - Key Largo
September - Jacksonville
November 14-17 – Orlando, the 2016 AWRA Annual Conference at the Florida Hotel & Conference Center, Orlando, FL. (The Florida Section will host a social networking event on November 15)
Meeting Sponsors
as of 10/19/15

To learn more about our sponsors click their logos.

Florida House of Representatives

Central Florida GIS Workshop
I can’t believe that this year is almost over and that this is my last message as your President. This past year was a good one for this organization in that our membership has continued to increase, we have had successful meetings with good attendance and more importantly we have been able to support students and teachers through the Rosanne Clementi Education Program with our awards and scholarships. This was made possible by this year’s meeting chairs for the programs they put together, the meeting sponsors and of course by all of you for your attendance. Thanks to all for supporting this year’s meetings!

As I said the meetings this year have been successful and the Apalachicola meeting was no different. We had a wonderful boat tour of the Apalachicola River from the Apalachicola National Estuarine Research Reserve staff and then went to their Environmental Education and Training Center for the technical session of the meeting. Ray Scott and his group did a great job on this meeting.

Our next meeting will be November 6th in Daytona. The BOD meeting will be held the evening of the 5th so mark it on your calendars and register. Cathy Vogel and her group have put together a great agenda for the meeting and I hope to see everyone there.

It has been a pleasure to serve you this year as your President of the Florida Section of AWRA. I want to thank this year’s executive committee, Vice President Kristin Bennett, Treasurer Mark Diblin, Secretary Jeremy McBryan and Past-Presidents Carol Hinton and Michael DelCharco for their support in making this year great!

Best regards to all,

Gary Howalt
ghowalt@ESINC.CC

Technical Program Summary - September 2015

Presentations from the previous technical meeting are available to AWRA Florida members via the following link: http://www.awraflorida.org/presentations-sep2015
Board of Directors Summary

AWRA Florida’s Board of Directors (BOD) met September 17, 2015 from 6:00-8:00pm at the Water Street Hotel and Marina in Apalachicola, Florida. The detailed meeting minutes will be available on the AWRA Florida website following BOD approval of the minutes at the November 2015 BOD meeting.

Highlights of the meeting include:

- **Treasurer Report:** The 2015 Technical Meetings continue to enable contributions to the Rosanne Clementi Education Program. The 2015 Annual Meeting in Key Largo raised approximately $11,000. Total income for the period January 1 – September 14, 2015 was $44,500 and total expenses were $33,500.

- **Education Program:** A total of $10,000 was awarded to 2015 grant and scholarship winners. The BOD also directed the Education Committee to maximize the distribution of budgeted funds to students to assist with travel expenses for the November 2015 AWRA Annual Water Resources Conference in Denver.

- **Membership:** The 2015 membership count is currently 302 (Professional = 205; Student = 84; Fellow = 7; Life = 6).

- **Student Support:** Shayne Wood reported that a teleconference is scheduled with University of Central Florida (UCF) alumni to further efforts to increase UCF student involvement with AWRA Florida.

- **Future Meetings:** Daytona Beach (November 6, 2015); Fort Myers (January 15, 2016); Steinhatchee (March 2016); Tampa (May 2016); Key Largo (August 4-5, 2016); Jacksonville (September 2016); Orlando (November 14-17; see below).

- **National News:** Don Duke (BOD), Ray Scott (BOD) and Jeremy McBryan (Secretary) will be attending the November 2015 AWRA Annual Water Resources Conference in Denver. The 2016 AWRA Annual Water Resources Conference will be held November 14-17, 2016 at the Florida Hotel & Conference Center in Orlando.

- **2016 BOD Elections:** AWRA Florida’s nominating committee will send their recommendations to the BOD in the next few weeks. The ballot and voting instructions will be sent to members by October 16, 2015.

Board meetings are open to all members of AWRA Florida and their guests. Members and guests are encouraged to get involved and increase the value of their AWRA membership.

Membership

The following people have renewed or joined AWRA Florida since the release of the August 2015 newsletter:

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<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
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<tr>
<td>Paul Adams</td>
<td>Woodard &amp; Curran</td>
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<tr>
<td>Glenn Burden</td>
<td>Woodard &amp; Curran</td>
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<td>Ileana Daniela Corsi</td>
<td>Florida International University (Student)</td>
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<td>David Dickson</td>
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<td>James Evans</td>
<td>City of Sanibel</td>
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<td>Juan Gonzalez</td>
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<td>Mike Hardin</td>
<td>Geosyntec Consultants, Inc.</td>
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<td>Nargiza Ludgate</td>
<td>University of Florida (Student)</td>
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<td>Jan Mandrup-Poulsen</td>
<td>Dynamic Solutions, LLC</td>
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<tr>
<td>Abby Marion</td>
<td>Daytona State College (Student)</td>
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<td>Ernie Roaza</td>
<td>EHS Support</td>
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<td>Jonathan Wadas</td>
<td>Johnson Engineering, Inc.</td>
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<td>Benita Whalen</td>
<td>Dispersed Water, LLC</td>
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<td>Estelle Wilson</td>
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<td>Kevin Dowty</td>
<td>Agnoli, Barber &amp; Brundage, Inc.</td>
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Thank you for your participation!

Joanne Chamberlain
Membership Services Coordinator
jchamber@sjwmd.com • 561-707-8301
The Rosanne Clementi Education Program

**Education Committee:** Rosanne Clementi, Clementi Environmental Consulting; Kristin Bennett, Tetra Tech, Inc.; Kelly Clark, Kimley Horn; Mark Diblin, AMEC Foster Wheeler, Jeremy McBryan, SFWMD

In addition to the J.B. Butler Science Grant, William V. Storch Award, Sanford N. Young Scholarship and the Blain High school scholarship, the Florida Section provides financial assistance to students to attend the Florida Section meeting and the National Annual Conference and the National specialty conferences. Preference is given to students who are presenting at the National conferences but the Education Committee funds as many students as the budget allows.

The Education Committee recommended, and the Board of Directors agreed, to provide financial support to fourteen students for the National Conference in Denver in November. Of the fourteen, ten are presenting. Students from Oxbridge Academy of the Palm Beaches, University of Florida, University of South Florida University of West Florida and Florida Gulf Coast University are receiving financial support.

The J.B. Butler Science Grant is awarded to pre-Kindergarten through 12th grade teachers and environmental centers to aid in water resource education. Each year, approximately five $500 grants are awarded. As of this year, AWRA Florida has awarded nearly $50,000 in J.B Butler Science Grants. This program has provided assistance to dozens of teachers and thousands of students. Please see the thank you letter below from the Alexander W. Dreyfoos School of the Arts, a recent Butler Science Grant recipient.

The William V. Storch Award is given to graduate and undergraduate students to support educational activities. Since its inception, approximately $44,000 has been awarded to students by AWRA Florida. There are two awards available each year, each at $1,500.

The Sanford N. Young Scholarship is an endowed fund designed to provide funding for at least one $2,000 scholarship each year. It is available to both graduate and undergraduate students. To date, AWRA Florida has awarded $17,000 in Sanford N. Young Scholarships.

The Laura and Buddy Blain High School Scholarship for Florida high school seniors was instituted in 2013. As of this year, a total of $3,000 has been awarded to high school students. Each year, AWRA Florida will award at least one $1,000 scholarship to a Florida high school senior who has demonstrated outstanding achievements in academic performance and community involvement and has an intent to pursue academic studies in the water resource related fields of geology, engineering, ecology and/or marine biology at a Florida college or university. The scholarship recipient will also be awarded an annual student membership to the Florida Section for the following year. The Scholarship will be awarded upon confirmation of enrollment in a Florida college or university.

The Alexander W. Dreyfoos School of the Arts is a shining example of what is right about public education today. Recognized by US News & World Report as ranking 68th out of more than 19,700 public schools nationally (May 2015), the Dreyfoos School is a place where the power of the arts and the energy of academic learning come together. As the only arts magnet high school in the county, the arts education program at Dreyfoos encourages students from all socio-economic backgrounds to develop and make the most of their given abilities.

Again, thank you for your generosity. Your support is very important to our mission of enhancing the nationally recognized arts and academic programs at the Dreyfoos School of the Arts.

**Kind Regards,**

Kristin Lidinsky  
Executive Director

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**September 22, 2015**

American Water Resources Association Inc.  
404 SW 140th Terrace  
Newberry, FL 32669

Dear Friends,

I thank you for your generous gift of $500.00. This donation will be used with great appreciation to support Ms. Marilyn Fedek Howard’s class at the Alexander W. Dreyfoos School of the Arts.

The Alexander W. Dreyfoos School of the Arts is a shining example of what is right about public education today. Recognized by US News & World Report as ranking 68th out of more than 19,700 public schools nationally (May 2015), the Dreyfoos School is a place where the power of the arts and the energy of academic learning come together. As the only arts magnet high school in the county, the arts education program at Dreyfoos encourages students from all socio-economic backgrounds to develop and make the most of their given abilities.

Again, thank you for your generosity. Your support is very important to our mission of enhancing the nationally recognized arts and academic programs at the Dreyfoos School of the Arts.

Kind Regards,

Kristin Lidinsky  
Executive Director
Continued financial support for the Rosanne Clementi Education Program*

Financial support for the education program comes from meeting revenues, directed donations and proceeds from the Silent Auction. The Silent Auction traditionally is held during the Annual Meeting held in July.

You can help support the AWRA Florida Section Education Program and the students by continuing to attend the AWRA Florida Section bi-monthly meetings, by sponsoring the bi-monthly meetings, by donating to and purchasing silent auction items and by making directed donations to the education program. You can make a donation directly from the website at www.awraflorida.org/donate. Every amount helps the students. No amount is too small or too large.

Thank you for your ongoing support of the AWRA Florida Section Rosanne Clementi Education Program.

* The AWRA Florida Section is a 501(c)(3) entity and contributions may be tax deductible to the extent allowed by law. The AWRA Florida Section is registered as a charitable organization with the Florida Department of Agriculture and Consumer Affairs. FDACS Registration Number CH39023. A copy of the official registration and financial information may be obtained from the Division of Consumer Services. Registration does not imply endorsement, approval or recommendation by the State of Florida. Registration information may be obtained by calling 1-800-HELP-FLA (1-800-435-7352) and at www.800helpfla.com
Email awra@awraflorida.org Regarding Meeting Sponsorship or Assistance

- Fort Myers (January 15, 2016)
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- Tampa (May 2016)
- Key Largo (August 4-5, 2016)
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