



Lake Worth Lagoon Initiative Symposium

Integrating Science, Restoration, and Outreach

May 15, 2013

Palm Beach Atlantic University ~ West Palm Beach, Florida

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Snook Islands Natural Area

Symposium Schedule

8:30 am – 9:00 am	Welcome and Recognitions Mayor Steven L. Abrams, PBC Board of County Commissioners	Lassiter Student Center, 2 nd Floor
9:00 am – 9:20 am	Keynote Address The Honorable Mark S. Pafford Florida House of Representatives	Lassiter Student Center, 2 nd Floor
9:20 am – 9:45 am	State of the Lake Worth Lagoon Robert Robbins, PBC Environmental Resources Management	Lassiter Student Center, 2 nd Floor
9:45 am – 10:15 am	Exhibit and Poster Viewing	Lassiter Student Center, 1 st Floor
10:15 am – 11:15 am	Concurrent Session A <ul style="list-style-type: none">• Habitat (Lassiter Student Center, 2nd Floor)• Water & Sediment Quality (MacArthur Hall, Room 1291)• Public Use & Outreach (MacArthur Hall, Room 1292)	Various Rooms
11:15 am – 11:30 am	Exhibit and Poster Viewing	Lassiter Student Center, 1 st Floor
11:30 am – 12:30 pm	Concurrent Session B <ul style="list-style-type: none">• Habitat (Lassiter Student Center, 2nd Floor)• Water & Sediment Quality (MacArthur Hall, Room 1291)• Public Use & Outreach (MacArthur Hall, Room 1292)	Various Rooms
12:30 pm – 1:30 pm	LUNCH	Lassiter Student Center Cafeteria
1:30 pm – 2:30 pm	Concurrent Session C <ul style="list-style-type: none">• Habitat (Lassiter Student Center, 2nd Floor)• Water & Sediment Quality (MacArthur Hall, Room 1291)• Public Use & Outreach (MacArthur Hall, Room 1292)	Various Rooms
2:30 pm – 3:00 pm	Exhibit and Poster Viewing	Lassiter Student Center, 1 st Floor
3:00 pm – 4:00 pm	Concurrent Session D <ul style="list-style-type: none">• Habitat (Lassiter Student Center, 2nd Floor)• Habitat (MacArthur Hall, Room 1291)• Public Use & Outreach (MacArthur Hall, Room 1292)	Various Rooms
4:00 pm – 4:15 pm	Exhibit and Poster Viewing	Lassiter Student Center, 1 st Floor
4:15 pm – 4:35 pm	Integrating Science, Restoration, and Outreach in the Lake Worth Lagoon Daniel Bates, PBC Environmental Resources Management	Lassiter Student Center, 2 nd Floor
4:35 pm – 4:50 pm	Lake Worth Lagoon Management Plan 2013 Update Robert Robbins, PBC Environmental Resources Management	Lassiter Student Center, 2 nd Floor
4:50 pm – 5:00 pm	Closing Remarks Commissioner Paulette Burdick PBC Board of County Commissioners	Lassiter Student Center, 2 nd Floor
5:00 pm – 7:00 pm	Networking Event Treasure Coast Chapter of the Florida Association of Environmental Professionals	E.R. Bradley's, 104 S. Clematis St.

10:15 am - 11:15 am - CONCURRENT SESSION A

Lassiter Student Center, 2 nd Floor Habitat	MacArthur Hall, Room 1291 Water & Sediment Quality	MacArthur Hall, Room 1292 Public Use & Outreach
<p>Lake Worth Lagoon Fixed Transect Seagrass Monitoring Program: 2000-2012 Cheryl Miller, Coastal Eco-Group Inc.</p> <p>Submerged Aquatic Resources of Lake Worth Cove Dr. Thomas Chesnes Palm Beach Atlantic University</p> <p>Sea Turtle Research in the Lake Worth Lagoon: 2005-2012 Dr. Jonathan Gorham Inwater Research Group, Inc.</p>	<p>Restoration Strategies Regional Water Quality Plan Ernie Barnett South Florida Water Management District</p> <p>Water Quality in the Lake Worth Lagoon: Status and Trends Dr. Zhiqiang Chen South Florida Water Management District</p> <p>Numeric Nutrient Criteria Kevin Carter South Florida Water Management District</p>	<p>Ichthyofaunal Diversity of Lake Worth Lagoon George Burgess Florida Museum of Natural History</p> <p>Marine Life Found in Lake Worth Lagoon Anne DuPont</p> <p>Statistical Analysis of Historic Recreational Fishing Catch Rates Using the Historic Fishing Records of the West Palm Beach Fishing Club Manuel McIlroy, Florida Atlantic University</p>

11:30 am - 12:30 pm - CONCURRENT SESSION B

Lassiter Student Center, 2 nd Floor Habitat	MacArthur Hall, Room 1291 Water & Sediment Quality	MacArthur Hall, Room 1292 Public Use & Outreach
<p>South Cove Natural Area: Overcoming Obstacles Eric Anderson PBC Environmental Resources Management</p> <p>The Million Dollar Muck Makeover: The Ibis Isle Restoration Project Julie Mitchell PBC Environmental Resources Management</p> <p>The Snook Islands Natural Area Environmental Enhancement Project: 8 Years Later David Carson PBC Environmental Resources Management</p>	<p>Phytoplankton and Anoxia in Little Lake Worth Dr. J. William Louda, Florida Atlantic University</p> <p>Onsite Sewage Treatment & Disposal Systems in the Lake Worth Lagoon Watershed Timothy Mayer Florida Department of Health</p> <p>Florida-Friendly Fertilization Dr. Laura Sanagorski University of Florida/IFAS Extension</p>	<p>Update: 2002 Palm Beach County Boating Needs Assessment Study Jean Matthews PBC Parks and Recreation Department</p> <p>An Assessment of Recreational Boating Activity in Palm Beach County Jay Gorzelany Sea to Shore Alliance</p> <p>Manatee Protection in Palm Beach County: Partnering for Success Dr. Thomas Reinert, Florida Fish and Wildlife Conservation Commission & Alessandra Medri PBC Environmental Resources Management</p>

1:30 pm - 2:30 pm - CONCURRENT SESSION C

Lassiter Student Center, 2 nd Floor Habitat	MacArthur Hall, Room 1291 Water & Sediment Quality	MacArthur Hall, Room 1292 Public Use & Outreach
<p>Palm Beach Par 3 Living Shoreline James Bowser</p> <p>Lake Worth Lagoon Restoration Strategies Julie Bishop PBC Environmental Resources Management</p> <p>Climate Change Dr. Jayantha Obeysekera South Florida Water Management District</p>	<p>Sources of Sediment and Trace Metals to Lake Worth Lagoon Dr. John H. Trefry, Florida Institute of Technology</p> <p>The Boynton Inlet: Current Measurements and Nutrient Fluxes into the Coastal Ocean Dr. Thomas Carsey & Jack Stamates National Oceanic and Atmospheric Administration</p> <p>Lake Worth Lagoon Connections: Land-based Sources of Pollution, Fisheries Habitats and the Florida Coral Reef Tract Kurtis Gregg National Oceanic and Atmospheric Administration</p>	<p>The History, Access, and Economics of the Intracoastal Waterway in Palm Beach County Mark Crosley, Florida Inland Navigation District</p> <p>Restoring Our Economy by Restoring Our Shorelines Mike Antheil, Marine Industries Association</p> <p>Exploring the Creative Connection Between Science and Art Linda Emerson Linda Emerson Interpretive Design</p>

3:00 pm - 4:00 pm - CONCURRENT SESSION D

Lassiter Student Center, 2 nd Floor Habitat	MacArthur Hall, Room 1291 Habitat	MacArthur Hall, Room 1292 Public Use & Outreach
<p>Waves, Wakes and Water Clarity and Quality: New Geospatial Tools to Guide Conservation and Restoration Mark Fonseca, CSA Ocean Sciences Inc.</p> <p>Grassy Flats Estuarine Restoration Project: A Partnership with PBCERM, FWC, and the USFWS National Coastal Wetlands Conservation Grant Program Erin McDevitt Florida Fish and Wildlife Conservation Commission</p>	<p>Endemism in the Molluscan Fauna of the Lake Worth Lagoon Dr. Edward Petuch, Florida Atlantic University</p> <p>Monitoring Oyster (<i>Crassostrea virginica</i>) Populations in Lake Worth Lagoon Melanie Parker Florida Fish and Wildlife Conservation Commission</p> <p>Comparison of Eastern Oyster, <i>Crassostrea virginica</i>, Populations on Created Versus Natural Reefs in Lake Worth Lagoon, Florida Dr. John Scarpa & Dr. Susan Laramore Harbor Branch Oceanographic Institute at Florida Atlantic University</p>	<p>The West Palm Waterfront – Embracing Our Past and Our Future Christine Thrower, City of West Palm Beach</p> <p>Using Technology to Connect the Outdoors to the Classroom Janice Kerber Friends of MacArthur Beach State Park</p> <p>Youth and the Future of Lake Worth Lagoon Jonathan Mayer University of Florida/IFAS Extension</p>



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Poster Presentations

HABITAT

[Alternative Artificial Eco-Systems](#)

Lee Shepard, Intracoastal Eco Systems, LLC

[Detection of the Oyster Parasite, Bonamia, in Florida's Indian River and Lake Worth Lagoons](#)

Dr. Susan Laramore, Harbor Branch Oceanographic Institute at Florida Atlantic University

[Determining the Biodiversity of Species on the Kelsey Artificial Reef](#)

David Sellepack, Riviera Beach Maritime Academy

[Lake Worth Lagoon's Artificial Reefs](#)

Dr. Janet Phipps, PBC Environmental Resources Management

[Molluscan Habitats in Lake Worth Lagoon](#)

Carole Marshall

WATER QUALITY

[Effectiveness of the C-51 Canal Sediment Trap](#)

Julie Mitchell, PBC Environmental Resources Management

[Onsite Sewage Treatment & Disposal Systems in the Lake Worth Lagoon Watershed](#)

Tony Coates and Melinda Collins, Florida Department of Health

[Southeast Florida Regional Climate Change Compact](#)

Bonnie Finneran and Andy Studt, PBC Environmental Resources Management

PUBLIC USE & OUTREACH

[Recreational Angler Data: Creating the First Viable Database](#)

Brett Fitzgerald and Holly Andreotta, Snook Foundation

[Lake Worth Lagoon: Discover a Local Treasure](#)

Wendy Spielman-King and Kaylin Markman, The School District of Palm Beach County

[Palm Beach County's Reef Mobile Map](#)

Matt King, PBC Environmental Resources Management

[South Cove Natural Area Teacher Kits](#)

Amanda Zachritz, The City of West Palm Beach

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Lake Worth Lagoon Initiative Symposium Planning Committee

Ginny Powell, Alyssa Dodd, Julie Mitchell ~ PBC Environmental Resources Management

Laura Corry, Teresa Coley ~ South Florida Water Management District

Paul Fitzgerald ~ Pinnacle Group International

Pat Gostel ~ Volunteer

Chris Lockhart ~ Habitat Specialists, Inc.

Jack McLaughlin ~ Volunteer

Pamela Pannozzo ~ Palm Beach State College

Otto Spielbichler ~ US Coast Guard Auxiliary

Geoff Wilson ~ Palm Beach Pack and Paddle Club

Thank You
Symposium Speakers &
Poster Presenters

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