



5th Bay Area Scientific Information Symposium: Agenda-at-a-Glance
"Using our Knowledge to Shape our Future"



| Start | Day 1 (October 20, 2009) | Day 2 (October 21, 2009) | Day 3 (October 22, 2009) | Day 4 (October 23, 2009) |
|----------|--|---|--|--|
| 7:30 AM | Registration Opens | Daily Registration Opens | Daily Registration Opens | Daily Registration Opens |
| 7:30 AM | BREAKFAST | BREAKFAST | BREAKFAST | BREAKFAST |
| 7:45 AM | | | | |
| 8:00 AM | BASIS 5 Opening Remarks (Dick Eckenrod) | Focus of the Day | Focus of the Day | Focus of the Day |
| 8:15 AM | | Ecosystem Restoration & Management (Brandt Henningsen & Doug Robison) | Integrating Watershed Management Initiatives (Suzanne Cooper) | Archaeology & Anthropology (Bill Burger) |
| 8:30 AM | | | | BREAK |
| 8:45 AM | | | | Science Communication (Nanette O'Hara) |
| 9:00 AM | Geology & Sediments (Gregg Brooks) | BREAK | BREAK | BREAK |
| 9:15 AM | | | | |
| 9:30 AM | Circulation | Tampa Bay Biota (Ann Hodgson & Bob McMichael) | BREAK | BASIS 5 Synthesis & Next Steps Towards Maintaining Progress (Panel Discussion) |
| 9:45 AM | | | | |
| 10:00 AM | | | Environmental Regulations & Protections (Rhonda Evans & Clark Hull) | |
| 10:15 AM | | | | |
| 10:30 AM | Water Quality & Primary Production (Richard Boler & Roger Johansson) | BREAK | LUNCH | |
| 10:45 AM | | Tampa Bay Biota (cont'd) | | |
| 11:00 AM | | | | Integrated Assessments: Tidal Tributary Studies (Justin Krebs) |
| 11:15 AM | | BREAK | | |
| 11:30 AM | LUNCH | LUNCH | LUNCH | Meeting Adjourned |
| 11:45 AM | | | | |
| 12:00 PM | | | | |
| 12:15 PM | | | | |
| 12:30 PM | Water Quality & Ecosystem Implications (Richard Boler & Roger Johansson) | Integrated Assessments: Tidal Tributary Studies (Justin Krebs) | BASIS 5 General Call (Ed Sherwood) | |
| 12:45 PM | | | BREAK | |
| 1:00 PM | | | Climate Change & Future Challenges (Ernie Estevez) | |
| 1:15 PM | | | | BREAK |
| 1:30 PM | Seagrass Resources & Management (Robin Lewis, Roger Johansson & Walt Avery) | Integrated Assessments: Tidal Tributary Studies (cont'd) | BREAK | |
| 1:45 PM | | | | |
| 2:00 PM | | | | |
| 2:15 PM | | | | |
| 2:30 PM | BREAK | Panel Discussion: Tidal Tributary Integrated Assessments (Justin Krebs) | Panel Discussion: Climate Change & Future Challenges (Ernie Estevez) | |
| 2:45 PM | | | | |
| 3:00 PM | | | | |
| 3:15 PM | | | | |
| 3:30 PM | Panel Discussion: Seagrass Resources & Management (Robin Lewis, Roger Johansson & Walt Avery) | Panel Discussion: Tidal Tributary Integrated Assessments (Justin Krebs) | Panel Discussion: Climate Change & Future Challenges (Ernie Estevez) | |
| 3:45 PM | | | | |
| 4:00 PM | | | | |
| 4:15 PM | | | | |
| 4:30 PM | BREAK | Panel Discussion: Tidal Tributary Integrated Assessments (Justin Krebs) | Panel Discussion: Climate Change & Future Challenges (Ernie Estevez) | |
| 4:45 PM | | | | |
| 5:00 PM | | | | |

BASIS 5: DAY 1 (October 20,2009)

| Start | Presenter | E-Mail | Presentation Title |
|---|----------------------|--|--|
| 8:00 AM | Dick Eckenrod | Eckenrodtbc@verizon.net | BASIS 5 Opening Remarks |
| 8:15 AM | | | |
| 8:30 AM | | | |
| Geology & Sediments | | | |
| 8:45 AM | Gregg Brooks | brooksg@eckerd.edu | High-Resolution Geologic Investigations in Tampa Bay: Advances and Limitations. |
| 9:00 AM | Ernst Peebles | eppebles@marine.usf.edu | Nitrogenous Organic Matter Accumulation in Safety Harbor, Florida: Sources and Decadal-Scale Trends. |
| 9:15 AM | Beau Suthard | bsuthard@coastalplanning.net | A Siliciclastic-Filled Sedimentary Basin in a Mid-Carbonate Platform Setting, Tampa Bay, Florida. |
| 9:30 AM | Stan Locker | stan@marine.usf.edu | Progress in the application of acoustic bottom classification methods for mapping and characterizing Tampa Bay benthic environments. |
| 9:45 AM | | | BREAK |
| Circulation | | | |
| 10:00 AM | Lianyuan Zheng | lzheng@marine.usf.edu | The Circulation of Tampa Bay Driven by Buoyancy, Tides and Winds, and its Connection with the Adjacent Gulf of Mexico |
| 10:15 AM | Bob Weisberg | weisberg@marine.usf.edu | Storm Surge of Ivan-Like Hurricane Making Landfall Near Tampa Bay |
| Water Quality & Primary Production | | | |
| 10:30 AM | Keith Hackett | khackett@janickienviromental.com | Hydrodynamic and Water Quality Modeling of Hillsborough Bay, Florida |
| 10:45 AM | Noreen Poor | npoor@health.usf.edu | Trends in Atmospheric Nitrogen Oxides Concentrations and Implications for Nitrogen Deposition to Tampa Bay |
| 11:00 AM | Richard Boler / Mark | boler@epchc.org | Water Quality Monitoring in Tidal Tributaries |
| 11:15 AM | Max Moreno | mmoreno@health.usf.edu | Temporal Trends in Trophic State Parameters for Lakes Clustered in Northwestern Hillsborough County |
| 11:30 AM | Chuanmin Hu | hu@marine.usf.edu | High temporal Resolution Assessments of Tampa Bay Water Quality Using Satellites |
| 11:45 AM | Roger Johansson | Roger.Johansson@ci.tampa.fl.us | Long-Term and Seasonal Trends of Phytoplankton Production in Tampa Bay, Florida |
| 12:00 PM | | | |
| 12:15 PM | | | LUNCH |
| 12:30 PM | | | |
| 12:45 PM | | | |
| Water Quality & Ecosystem Implications | | | |
| 1:00 PM | Anthony Janicki | anthony_janicki@janickienviromental.com | Chlorophyll-a Responses in Tampa Bay to Varying Nitrogen and Hydrologic Loads: Implications to the Assessment of Water Quality Targets |
| 1:15 PM | Chris Anastasiou | Christopher.Anastasiou@dep.state.fl.us | Understanding the Underwater Light Field and Its Relevance to Seagrass Sustainability and Resource Management in Tampa Bay |
| 1:30 PM | Kristen Maki- | KLMJenkins@pbsj.com | Water Quality and Biology in Tampa Bay During Six years of Desalination Facility Operation |
| 1:45 PM | Ray Pribble | rpribble@janickienviromental.com | Management of Piney Point Facility Closure and Effects on Water Quality in Bishop Harbor and Adjacent Regions of Tampa Bay |
| 2:00 PM | Jim Griffin | griffin@arch.usf.edu | Rapid Assessments of Lakes and River Stream Reaches in Hillsborough County, Florida |
| 2:15 PM | | | BREAK |
| Seagrass Resources & Management | | | |
| 2:30 PM | Cliff Hearn | clifford_hearn@yahoo.com | Longshore Bars on the Tampa Bay Shoreline |
| 2:45 PM | Lindsay Cross | lcross@tbep.org | Managing Seagrass in Tampa Bay, Florida: a Multi-scale Approach |
| 3:00 PM | Kristen Kaufman | Kristen.Kaufman@swfwmd.state.fl.us | Twenty Years of Tampa Bay Seagrass Mapping and Analyses |
| 3:15 PM | Michael Dema | mdema@janickienviromental.com | Seagrass Persistence Analysis in Tampa Bay, 1988-2008 |
| 3:30 PM | Walt Avery | walt.avery@ci.tampa.fl.us | Trends in Tampa Bay Seagrass: 1998-2008 |
| 3:45 PM | Roger Johansson | Roger.Johansson@ci.tampa.fl.us | Restoration of Seagrass Habitat in Tampa Bay Using Large Manatee Grass (<i>Syringodium filiforme</i>) Sod Units and a Discussion of Planting |
| 4:00 PM | | | BREAK |
| 4:15 PM | | | |
| 4:30 PM | | | |
| 4:45 PM | | | Panel Discussion: Seagrass Resources & Management |
| 5:00 PM | | | |

BASIS 5: DAY 2 (October 21, 2009)

| Start | Presenter | E-Mail | Presentation Title |
|--|-------------------|--|--|
| 8:00 AM | | | Focus of the Day |
| Ecosystem Restoration & Management | | | |
| 8:15 AM | Lindsay Cross | lcross@tbep.org | History of Habitat Restoration Efforts in Tampa Bay - The Tampa Bay Habitat Restoration Database |
| 8:30 AM | Doug Robison | derobison@pbsj.com | Goals and Strategies for Ecosystem Restoration and Preservation in the Tampa Bay Watershed |
| 8:45 AM | Forest Turbiville | turbivillej@hillsboroughcounty.org | Land Acquisition and Management in the Tampa Bay Watershed – Past, Present, and Future |
| 9:00 AM | Brandt Henningsen | brandt.henningsen@swfwmd.state.fl.us | The Watershed Approach to Ecosystem Restoration – Linking Bay and Watershed Habitats |
| 9:15 AM | Tom Ries | tries@scheda.com | Restored Habitats: Lessons Learned and the Importance of Management |
| 9:30 AM | Brad Weigle | bweigle@photoscience.com | Long-Term Monitoring and Assessment of Native and Restored Habitats |
| 9:45 AM | BREAK | | |
| Tampa Bay Biota | | | |
| 10:00 AM | Dave Karlen | karlen@epchc.org | Benthic Macroinvertebrates of Tampa Bay revisited |
| 10:15 AM | Steve Geiger | Steve.Geiger@MyFWC.com | Commercially or Recreationally Important Invertebrates in Tampa Bay |
| 10:30 AM | Ann Hodgson | ahodgson@audubon.org | Twenty-Five Years After BASIS I: An Update on the Current Status and Recent Trends in Bird Populations of Tampa Bay |
| 10:45 AM | Ed Matheson | Eddie.Matheson@MyFWC.com | A Brief History of the Fish Fauna of Tampa Bay |
| 11:00 AM | BREAK | | |
| 11:15 AM | Chip Deutsch | Chip.Deutsch@MyFWC.com | An Overview of Recent Research on the Florida Manatee in Tampa Bay: Population, Ecology, and Behavior. |
| 11:30 AM | Dave Chagaris | Dave.Chagaris@MyFWC.com | Using an Ecosystem Model to Assess the Impact of Bottom-up and Top-down Processes on Selected Species in Tampa Bay. |
| 11:45 AM | Kerry Flaherty | Kerry.Flaherty@MyFWC.com | Nekton Communities Associated with Seagrass in Tampa Bay: The Effects of Seagrass Bed Architecture, Seagrass Species Composition |
| 12:00 PM | LUNCH | | |
| 12:15 PM | LUNCH | | |
| 12:30 PM | LUNCH | | |
| 12:45 PM | LUNCH | | |
| Integrated Assessments: Tidal Tributary Studies | | | |
| 1:00 PM | Ernie Estevez | estevez@mote.org | Trends Detected with a Tidal Creek Condition Index Based on Ecological Variables and Rapid Survey Methods, in Southwest Florida |
| 1:15 PM | Tim MacDonald | tim.macdonald@fwc.state.fl.us | Tidal Creeks As Nekton Habitat in the Tampa Bay Estuary |
| 1:30 PM | Adam Brame | abrame@usgs.gov | A More Comprehensive Approach for Determining Juvenile Snook Nursery Habitat in a Tampa Bay Wetland |
| 1:45 PM | Janet Ley | Janet.Ley@MyFWC.com | Defining Fish Nursery Habitats: An Application of Otolith Elemental Fingerprinting in Tampa Bay, Florida |
| 2:00 PM | Elon Malkin | emalkin@marine.usf.edu | Using Estuarine Fish Stable Nitrogen Isotopes to Pinpoint Land-Cover Nutrient Origins |
| 2:15 PM | BREAK | | |
| 2:30 PM | Justin Krebs | jkrebs@mail.usf.edu | Coastal Development Reduces the Quality of Tidal Creeks as Fish Habitat |
| 2:45 PM | Ed Sherwood | esherwood@tbep.org | 2006 Tampa Bay Tidal Tributaries Habitat Initiative |
| 3:00 PM | Bob Woithe | RDWoithe@pbsj.com | What Have We Learned From 10 Years of Hydrobiological Monitoring on the Alafia River? |
| 3:15 PM | Mike Wessel | MWessel@JanickiEnvironmental.com | Examining the Relationships between Freshwater Flows, Nutrient Loads, Chlorophyll-a Concentrations and the Distribution of Benthic Mac |
| 3:30 PM | Sid Flannery | sid.flannery@swfwmd.state.fl.us | The Determination of Minimum Flows and Levels for Tributary Rivers to Tampa Bay |
| 3:45 PM | BREAK | | |
| 4:00 PM | BREAK | | |
| 4:15 PM | BREAK | | |
| 4:30 PM | BREAK | | |
| 4:45 PM | BREAK | | |
| 5:00 PM | BREAK | | |
| Panel Discussion: Tidal Tributary Next Steps | | | |



5th Bay Area Scientific Information Symposium: Daily Agenda
 "Using our Knowledge to Shape our Future"



BASIS 5: DAY 3 (October 22,2009)

| Start | Presenter | E-Mail | Presentation Title |
|---|--|--|---|
| 8:00 AM | Focus of the Day | | |
| Integrating Watershed Management Initiatives | | | |
| 8:15 AM | Suzanne Cooper | suzanne@tbrpc.org | Overview of Tampa Bay's Management 'Structure' and a Case Study of Collaboration |
| 8:30 AM | Jennette Seachrist | jennette.seachrist@swfwmd.state.fl.us | SWFWMD Roles |
| 8:45 AM | Chris Anastasiou | Christopher.Anastasiou@dep.state.fl.us | FDEP Roles |
| 9:00 AM | Holly Greening | hgreening@tbep.org | TBEP & TBNMC Roles |
| 9:15 AM | Avera Wynne | avera@tbrpc.org | TBRPC, One Bay, TBARTA Roles |
| 9:30 AM | Gerold Morrison | gmorrison@bcieng.com | Using a 'Decision Matrix' Approach to Develop a Fecal Coliform BMAP for Impaired Waters in the Hillsborough River Watershed |
| 9:45 AM | Donald Duke | ldduke@fgcu.edu | Industrial Storm Runoff and Florida Receiving Waters - Adequacy of Data for Watershed Planning |
| 10:00 AM | BREAK | | |
| Environmental Regulations & Protections | | | |
| 10:15 AM | Bob Stetler | stetlerb@epchc.org | Local protections |
| 10:30 AM | Clark Hull | clark.hull@swfwmd.state.fl.us | State protections |
| 10:45 AM | Cynthia Wood | Cynthia.J.Wood@usace.army.mil | Federal protections |
| 11:00 AM | Robert Toth | rtoth@birkitt.com | Meeting Restoration Goals in the Tampa Bay Basin through Mitigation Banking |
| 11:15 AM | Panel Discussion: Environmental Regulations & Protections | | |
| 11:30 AM | | | |
| 11:45 AM | | | |
| 12:00 PM | LUNCH | | |
| 12:15 PM | BASIS 5 General Call Papers | | |
| 12:30 PM | | | |
| 12:45 PM | | | |
| 1:00 PM | Teresa Restom-Gaskill | gaskiltg@eckerd.edu | Distribution of Native Plant Species on Islands of the Tampa Bay Area |
| 1:15 PM | Randy Runnels | randy.runnels@dep.state.fl.us | Forty Years of Tampa Bay's Aquatic Preserves - A Retrospective |
| 1:30 PM | Chuck Walters | Chuck.Walter@ci.tampa.fl.us | Stormwater Re-use: City of Tampa Experience |
| 1:45 PM | BREAK | | |
| Climate Change & Future Challenges | | | |
| 2:00 PM | Ernie Estevez | estevez@mote.org | Effects of Climate Change: Overview of FOCC Findings and Implications to Tampa Bay |
| 2:15 PM | Dave Tomasko | DATomasko@pbsj.com | Potential Impacts of Sea Level Rise on Sarasota Bay seagrasses |
| 2:30 PM | Gordon Hamilton | gordon.hamilton@maine.edu | Ice Sheets and Sea Level Rise: It's Not Just the Melting That Matters |
| 2:45 PM | Brooks Yeager | byeager@cleanair-coolplanet.org | Accelerated Sea Level Rise & Implications to Tampa Bay |
| 3:00 PM | David Hastings | hastindw@eckerd.edu | Holocene Climatic and Hydrologic Variability as Recorded in the Benthic Foraminifera <i>Ammonia beccarii</i> from Tampa Bay, FL |
| 3:15 PM | Adam Hosking | hoskingas@halcrow.com | Estuarine Adaptation: The Incorporation of Climate Change into Estuary Management Planning |
| 3:30 PM | Ed Sherwood | esherwood@tbep.org | Tampa Bay - Preparing for a Climate Ready Estuary. |
| 3:45 PM | BREAK | | |
| 4:00 PM | Panel Discussion: Climate Change & Future Challenges | | |
| 4:15 PM | | | |
| 4:30 PM | | | |
| 4:45 PM | | | |
| 5:00 PM | | | |



5th Bay Area Scientific Information Symposium: Daily Agenda
 "Using our Knowledge to Shape our Future"



BASIS 5: DAY 4 (October 23,2009)

| Start | Presenter | E-Mail | Presentation Title |
|----------|--|--|--|
| 8:00 AM | | | Focus of the Day Tampa Bay's Archaeology & Anthropology (Bill Burger) |
| 8:15 AM | Bill Burger | | |
| 8:30 AM | Phyllis Kolianos | pkoliano@pinellascounty.org | |
| 8:45 AM | Jeff Moates | jmoates@cas.usf.edu | |
| 9:00 AM | BREAK | | |
| | Relaying the Message – Science Communication (Nanette O'Hara) | | |
| 9:15 AM | Nanette O'Hara | nanette@tbep.org | Can Science and Sound Bites Coexist? Improving Communication Between Scientists, the Public and the Media. |
| 9:30 AM | | | |
| 9:45 AM | | | |
| 10:00 AM | BREAK | | |
| 10:15 AM | Holly Greening | hgreening@tbep.org | Tampa Bay Estuary's Progress Towards Goals |
| 10:30 AM | Panel Discussion: BASIS 5 Synthesis & Next Steps | | |
| 10:45 AM | | | |
| 11:00 AM | | | |
| 11:15 AM | | | |
| 11:30 AM | | | |
| 11:45 AM | MEETING ADJOURNED | | |
| 12:00 PM | | | |



"Using our Knowledge to Shape our Future"

Preliminary Program
DAY ONE (Tuesday, October 20, 2009)

7:30AM

Registration

4:00PM

Breakfast (7:30AM – 8:00AM)

TIME

SESSION (Organizer)

BASIS 5 Opening Remarks

8:00AM

DICK ECKENROD, Former TBEP Executive Director.

8:40AM

Geology/Sediments (Gregg Brooks)

Planned Agenda:

High-Resolution Geologic Investigations in Tampa Bay: Advances and Limitations. G.R. BROOKS & R.A. LARSON (Eckerd College).

Nitrogenous Organic Matter Accumulation in Safety Harbor, Florida: Sources and Decadal-Scale Trends. E.B. PEEBLES & D.J. HOLLANDER (USF).

8:45AM

9:45AM

A Siliciclastic-Filled Sedimentary Basin in a Mid-Carbonate Platform Setting, Tampa Bay, Florida. B.C. SUTHARD¹, A.C. HINE², S.D. LOCKER², D.S. DUNCAN³ & R.A. MORTON⁴ (¹Coastal Planning & Engineering, Inc., ²USF, ³Eckerd College, ⁴USGS).

Progress in the Application of Acoustic Bottom Classification Methods for Mapping and Characterizing Tampa Bay Benthic Environments. S.D. LOCKER¹, S.C. DUNN¹, A.C. HINE¹, L.L. ROBBINS² & E. WATKINS³ (¹USF, ²USGS, ³A&E Project Man., LLC).

STUDENT POSTER: Historical Bathymetric Analysis of Tampa Bay. P. JULIAN (FGCU) & E.D. ESTEVEZ (Mote Marine Lab).

9:45AM

BREAK: Review Submitted Posters

10:00AM

Tampa Bay Circulation

General Call:

10:00AM

The Circulation of Tampa Bay Driven by Buoyancy, Tides and Winds, and Its Connection with the Adjacent Gulf of Mexico. L. ZHENG & R. H. WEISBERG (USF).

10:30AM

Storm Surge of Ivan-Like Hurricane Making Landfall Near Tampa Bay. R.H. WEISBERG, L. ZHENG & Y. HUANG (USF).

Water Quality/Primary Production (Roger Johansson & Richard Boler)

Planned Agenda / General Call:

10:30AM

12:00PM

Hydrodynamic and Water Quality Modeling of Hillsborough Bay, Florida. K. HACKETT¹, R. PRIBBLE¹, A.J. JANICKI¹ & C. TSOKOS² (¹Janicki Env. Inc., ²USF).



| TIME | SESSION (Organizer) |
|---|---|
| | <p>Trends in Atmospheric Nitrogen Oxides Concentrations and Implications for Nitrogen Deposition to Tampa Bay. <u>N.D. POOR</u> (USF).</p> <p>Water Quality Monitoring in Tidal Tributaries. <u>R. BOLER</u> (EPCHC) & <u>M.E. FLOCK</u> (PCDEM).</p> <p>Temporal Trends in Trophic State Parameters for Lakes Clustered in Northwestern Hillsborough County. <u>M.J. MORENO</u> & <u>N.D. POOR</u> (USF).</p> <p>High Temporal Resolution Assessments of Tampa Bay Water Quality Using Satellites. <u>C. HU</u>¹, <u>Z. CHEN</u>², <u>F. MULLER-KARGER</u>¹ & <u>C. KOVACH</u>³ (¹USF, ²SWFWMD, ³FDEP).</p> <p>Long-Term and Seasonal Trends of Phytoplankton Production in Tampa Bay, Florida. <u>J.O.R JOHANSSON</u>, <u>W.M. AVERY</u>, <u>K.B. HENNENFENT</u> & <u>J.J. PACOWTA</u> (City of Tampa, Bay Study Group).</p> |
| <p>12:00PM – 1:00PM</p> | <p>LUNCH</p> |
| <p>Water Quality / Ecosystem Implications</p> | |
| <p>Planned Agenda / General Call:</p> | |
| <p>1:00PM</p> | <p>Chlorophyll-a Response in Tampa Bay to Varying Nitrogen and Hydrologic Loads: Implications to the Assessment of Water Quality Target Compliance. <u>A.J. JANICKI</u>¹, <u>R. PRIBBLE</u>¹, <u>K. HACKETT</u>¹, <u>H. GREENING</u>² & <u>E.T. SHERWOOD</u>² (¹Janicki Env. Inc., ²TBEP).</p> |
| <p>2:15PM</p> | <p>Understanding the Underwater Light Field and Its Relevance to Seagrass Sustainability and Resource Management in Tampa Bay. <u>C. ANASTASIOU</u>¹, <u>J. KUNZELMAN</u>² & <u>J.O.R JOHANSSON</u>³ (¹FDEP, ²FWRI, ³City of Tampa, Bay Study Group).</p> |
| <p>1:00PM</p> | <p>Water Quality and Biology in Tampa Bay During Six Years of Desalination Facility Operation. <u>K.L. MAKI-JENKINS</u>¹, <u>R. WOITHE</u>¹, <u>A. WILLIS</u>¹, <u>R. MCCONNELL</u>², <u>M. WESSEL</u>³, <u>K. HACKETT</u>³ & <u>A.J. JANICKI</u>³ (¹PBS&J, ²Tampa Bay Water, ³Janicki Env. Inc.).</p> |
| <p>2:15PM</p> | <p>Management of Piney Point Phosphate Facility Closure and Effects on Water Quality in Bishop Harbor and Adjacent Regions of Tampa Bay. <u>R. PRIBBLE</u>¹, <u>R. BROWN</u>² & <u>A.J. JANICKI</u>¹ (¹Janicki Env. Inc., ²Manatee Co.).</p> |
| <p>1:00PM</p> | <p>Rapid Assessments of Lakes and River Stream Reaches in Hillsborough County, Florida. <u>D. EILERS</u>¹, <u>J. GRIFFIN</u>¹, <u>J. MCGEE</u>² & <u>D. GLICKSBERG</u>² (¹USF, ²Hillsborough Co.).</p> |
| <p>1:00PM</p> | <p>POSTER: Near-Shore Water Quality and Seagrass Depth Limits in Upper Tampa Bay, Florida. <u>J.O.R JOHANSSON</u>, <u>W.M. AVERY</u>, <u>K.B. HENNENFENT</u> & <u>J.J. PACOWTA</u> (City of Tampa, Bay Studies Group).</p> |
| <p>1:00PM</p> | <p>POSTER: Trend Analyses of Nitrogen and Phosphorus Loads to Tampa Bay for 1985 – 2007. <u>P.A. VAAS</u> & <u>A.J. JANICKI</u> (Janicki Env. Inc.).</p> |
| <p>2:15PM – 2:30PM</p> | <p>BREAK: Review Submitted Posters</p> |



"Using our Knowledge to Shape our Future"

Preliminary Program
DAY ONE (Tuesday, October 20, 2009)

| TIME | SESSION (<i>Organizer</i>) |
|---|--|
| Seagrass Resources & Management (<i>Robin Lewis, Roger Johansson & Walt Avery</i>) | |
| Planned Agenda / General Call: | |
| | Longshore Bars on the Tampa Bay Shoreline. <u>C.J. HEARN</u> (<i>Working Science Cons.</i>). |
| | Managing Seagrass in Tampa Bay, Florida: A Multi-Scale Approach. <u>L.M. CROSS</u> , <u>H.S. GREENING</u> & <u>E.T. SHERWOOD</u> (<i>Tampa Bay Estuary Program</i>). |
| 2:30PM | Twenty Years of Tampa Bay Seagrass Mapping and Analyses. <u>K. KAUFMAN</u> & <u>M.G. HEYL</u> (<i>SWFWMD</i>). |
| 4:00PM | Seagrass Persistence Analysis in Tampa Bay, 1988-2008. <u>M. DEMA</u> & <u>A.J. JANICKI</u> (<i>Janicki Env. Inc.</i>). |
| | Trends in Tampa Bay Seagrass: 1998-2008. <u>W.M. AVERY</u> (<i>City of Tampa, Bay Study Group</i>). |
| | Restoration of Seagrass Habitat in Tampa Bay Using Large Manatee Grass (<i>Syringodium filiforme</i>) Sod Units and a Discussion of Planting Site Sediment Dynamics. <u>J.O.R. JOHANSSON</u> , <u>W.M. AVERY</u> , <u>K.B. HENNENFENT</u> & <u>J.J. PACOWTA</u> (<i>City of Tampa, Bay Study Group</i>). |
| 4:00PM | BREAK: Review Submitted Posters |
| 4:15PM | |
| 4:15PM | Panel Discussion: Seagrass Resources & Management (<i>Robin Lewis, Roger Johansson & Walt Avery</i>) |
| 5:00PM | |



"Using our Knowledge to Shape our Future"

Preliminary Program
DAY TWO (Wednesday, October 21, 2009)

7:30AM

Registration

-

4:30PM

Breakfast (7:30AM – 8:00AM)

TIME

SESSION (Organizer)

Focus of the Day

8:00AM

Tampa Bay Habitat, Biota, and Integrated Monitoring/Management Approaches

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8:15AM

Ecosystem Restoration & Management (*Brandt Henningsen/Doug Robison*)

Planned Agenda:

History of Habitat Restoration Efforts in Tampa Bay – The Tampa Bay Habitat Restoration Database.
L. CROSS (TBEP).

Goals and Strategies for Ecosystem Restoration and Preservation in the Tampa Bay Watershed.
D. ROBISON (PBS&J).

8:15AM

Land Acquisition and Management in the Tampa Bay Watershed – Past, Present, and Future.
F. TURBIVILLE (Hills. Co.).

-

9:45AM

The Watershed Approach to Ecosystem Restoration – Linking Bay and Watershed Habitats.
B. HENNINGSEN (SWFWMD).

Restored Habitats: Lessons Learned and the Importance of Management.
T. RIES (Scheda Ecol. Ass., Inc.).

Long-Term Monitoring and Assessment of Native and Restored Habitats.
B. WEIGLE (Photo Science).

9:45AM

BREAK: Review Submitted Posters

-

10:00AM

Tampa Bay Biota (*Ann Hodgson/Bob McMichael*)

Planned Agenda / General Call:

Benthic Macroinvertebrates of Tampa Bay Revisited. *D.J. KARLEN (EPCHC).*

10:00AM

Commercially or Recreationally Important Invertebrates in Tampa Bay. *S. P. GEIGER, C.R. CRAWFORD, T. KANASZKA & S. P. STEPHENSON (FWRI).*

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12:00PM

Twenty-Five Years After BASIS I: An Update on the Current Status and Recent Trends in Bird Populations of Tampa Bay. *A.B. HODGSON & A.F. PAUL (Florida Coastal Islands Sanctuaries, Audubon of Florida).*

A Brief History of the Fish Fauna of Tampa Bay. *R.E. MATHESON, JR., R.H. MCMICHAEL, JR., T.C. MACDONALD & G. MCLAUGHLIN (FWRI).*



"Using our Knowledge to Shape our Future"

Preliminary Program
DAY TWO (Wednesday, October 21, 2009)

| TIME | SESSION (<i>Organizer</i>) |
|------|------------------------------|
|------|------------------------------|

An Overview of Recent Research on the Florida Manatee in Tampa Bay: Population, Ecology, and Behavior. C.J. DEUTSCH & H.H. EDWARDS (FWCC).

Using an Ecosystem Model to Assess the Impact of Bottom-Up and Top-Down Processes on Selected Species in Tampa Bay. D. CHAGARIS & B. MAHMOUDI (FWRI).

Nekton Communities Associated with Seagrass in Tampa Bay: The Effects of Seagrass Bed Architecture, Seagrass Species Composition, and Varying Degrees of Freshwater Influence. K.E. FLAHERTY, R.E. MATHESON, JR., F.X. COURTNEY & R.F. JONES (FWRI).

| | |
|------------------------|--------------|
| 12:00PM – 1:00PM | LUNCH |
|------------------------|--------------|

Integrated Assessments: Tidal Tributary Studies (*Justin Krebs*)

Planned Agenda:

Trends Detected with a Tidal Creek Condition Index Based on Ecological Variables and Rapid Survey Methods, in Southwest Florida. E.D. ESTEVEZ¹, K.L. MEAUX², J.K. CUTLER¹, J. SPRINKEL¹ & R. JANNEMAN (¹Mote Marine Lab., ²Sarasota Co.).

1:00PM
–
2:15PM Tidal Creeks As Nekton Habitat in the Tampa Bay Estuary. T.C. MACDONALD¹, R.E. MATHESON, JR.¹, E.B. PEEBLES², R.H. MCMICHAEL, JR.¹ & M.F.D. GREENWOOD³ (¹FWRI, ²USF, ³ICF Jones & Stokes).

A More Comprehensive Approach for Determining Juvenile Snook Nursery Habitat in a Tampa Bay Wetland. A. BRAME¹, C. MCIVOR¹, E.B. PEEBLES² & D. HOLLANDER² (¹USGS, ²USF).

Defining Fish Nursery Habitats: An Application of Otolith Elemental Fingerprinting in Tampa Bay, Florida. J.A. LEY¹, C.C. MCIVOR², E.B. PEEBLES³ & H. ROLLS^{1,3} (¹FWRI, ²USGS, ³USF).

Using Estuarine Fish Stable Nitrogen Isotopes to Pinpoint Land-Cover Nutrient Origins. E. MALKIN, E.B. PEEBLES & D. HOLLANDER (USF).

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|-----------------------|--|
| 2:15PM – 2:30PM | BREAK: Review Submitted Posters |
|-----------------------|--|

Integrated Assessments: Tidal Tributary Management (*Justin Krebs*)

Planned Agenda:

2:30PM Coastal Development Reduces the Quality of Tidal Creeks as Fish Habitat. J.M. KREBS (USF).

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3:45PM 2006 Tampa Bay Tidal Tributaries Habitat Initiative. E.T. SHERWOOD (TBEP).

What Have We Learned From 10 Years of Hydrobiological Monitoring on the Alafia River? R. WOITHE¹, K.L.M. JENKINS¹, A. WILLIS¹, R.G. MCCONNELL², D. ROBISON¹ & R. MONTGOMERY¹ (¹PBS&J, ²Tampa Bay Water).



"Using our Knowledge to Shape our Future"

Preliminary Program

DAY TWO (Wednesday, October 21, 2009)

| TIME | SESSION (<i>Organizer</i>) |
|---|--|
| <p>Examining the Relationships between Freshwater Flows, Nutrient Loads, Chlorophyll-a Concentrations and the Distribution of Benthic Macroinvertebrates in the Lower Alafia River. <u>M.R. WESSEL</u>¹, A.J. JANICKI¹ & R.G. MCCONNELL² (¹Janicki Env. Inc., ²Tampa Bay Water).</p> | |
| <p>The Determination of Minimum Flows and Levels for Tributary Rivers to Tampa Bay. <u>M.S. FLANNERY</u>, M.G. HEYL, X. CHEN & M.H. KELLY (SWFWMD).</p> | |
| <p>3:45PM – 4:00PM</p> | <p><i>BREAK: Review Submitted Posters</i></p> |
| <p>4:00 PM – 5:00 PM</p> | <p>Panel Discussion: Tidal Tributary Integrated Assessments (Justin Krebs) To synthesize current knowledge on tidal tributary ecology and to identify the logical “next steps” for the study, management and conservation of tidal tributaries.</p> <ul style="list-style-type: none">• Dr. Mike Weinstein, Montclair State University, NJ• Dr. Ernst Peebles, USF College of Marine Science |



“Using our Knowledge to Shape our Future”

Preliminary Program
DAY THREE (Thursday, October 22, 2009)

7:30AM

Registration

–

4:30PM

Breakfast (7:30AM – 8:00AM)

TIME

SESSION (*Organizer*)

Focus of the Day

8:00AM

Watershed Management Initiatives, Environmental Regulations & Protections, Climate Change & Future Challenges

8:15AM

Integrating Watershed Management Initiatives (*Suzanne Cooper*)

Planned Agenda:

Overview of Tampa Bay’s Management ‘Structure’ and a Case Study of Collaboration.
S. COOPER (TBRPC).

- Southwest Florida Water Management District Roles. **J. SEACHRIST (SWFWMD).**
- Florida Department of Environmental Protection Roles. **C. ANASTASIOU (FDEP).**
- Tampa Bay Estuary Program and Nitrogen Management Consortium Roles. **H.S. GREENING (TBEP).**
- Tampa Bay Regional Planning Council, One Bay, and Tampa Bay Area Regional Transit Authority Roles. **A. WYNNE (TBRPC).**

8:15AM

10:00AM

General Call:

Using a ‘Decision Matrix’ Approach to Develop a Fecal Coliform BMAP for Impaired Waters in the Hillsborough River Watershed. **G. MORRISON (BCI), H. SWANSON (HSW), V.J. HARWOOD (USF), C.M. WAPNICK (PBS&J), T. HANSEN (FDEP) & H.S. GREENING (TBEP).**

Industrial Storm Runoff and Florida Receiving Waters – Adequacy of Data for Watershed Planning.
L.D. DUKE (FGCU).

10:00AM

10:15AM

BREAK: Review Submitted Posters

Environmental Regulations & Protections (*Rhonda Evans/Clark Hull*)

Planned Agenda:

Overview of Federal Agency Policies and Regulations to Protect Wetlands. **R. EVANS¹ & C.J. WOOD² (¹US EPA, ²US ACOE)**

10:15AM

11:15AM

Overview of State/Regional Policies and Regulations to Protect Wetlands. **C. HULL (SWFWMD).**

Overview of Local Agency Policies and Regulations to Protect Wetlands. **B. STETLER (EPCHC).**

General Call:

Meeting Restoration Goals in the Tampa Bay Basin through Mitigation Banking. **R. TOTH, L. PROENZA & B.F. BIRKITT (Birkitt Env. Serv. Inc.).**



“Using our Knowledge to Shape our Future”

Preliminary Program
DAY THREE (Thursday, October 22, 2009)

| TIME | SESSION (Organizer) |
|---|---|
| 11:15AM – 12:00PM | <i>Panel Discussion: Environmental Regulations & Protections (Rhonda Evans/Clark Hull)</i> |
| 12:00PM – 1:00PM | LUNCH |
| BASIS 5 General Call Presentations (Ed Sherwood) | |
| General Call: | |
| 1:00PM – 1:45PM | <p>Distribution of Native Plant Species on Islands of the Tampa Bay Area. <u>T. RESTOM-GASKILL</u>¹, <u>J. WOLF</u>¹ & <u>R. RUNNELS</u>² (¹Eckerd College, ²FDEP).</p> <p>Forty Years of Tampa Bay’s Aquatic Preserves – A Retrospective. <u>R. RUNNELS</u> (FDEP).</p> <p>Stormwater Re-use: City of Tampa Experience. <u>C. WALTERS</u> (City of Tampa).</p> |
| 1:45PM – 2:00PM | BREAK |
| Climate Change & Future Challenges (Ernie Estevez) | |
| Planned Agenda: | |
| 2:00PM – 3:45PM | <p><i>Effects of Climate Change on Ocean and Coastal Resources: An Overview of FOCC Findings and Implications for Tampa Bay.</i> <u>E.D. ESTEVEZ</u> (Mote Marine Lab).</p> <p><i>Potential Impacts of Sea Level Rise on Sarasota Bay Seagrass.</i> <u>D.A. TOMASKO</u> (PBS&J).</p> <p>Ice Sheets and Sea Level Rise: It’s Not Just the Melting That Matters. <u>G.S. HAMILTON</u> (University of Maine).</p> <p>Accelerated Sea Level Rise & Implications to Tampa Bay. <u>B. YEAGER</u> (Clean Air-Cool Planet).</p> <p>Holocene Climatic and Hydrologic Variability as Recorded in the Benthic Foraminifera <i>Ammonia beccarii</i> from Tampa Bay, FL. <u>K.J. HOOVER</u>¹, <u>D.W. HASTINGS</u>², <u>B.P. FLOWER</u>³ & <u>G. BROOKS</u>² (¹University of Nevada, ²Eckerd College, ³USF).</p> <p>Estuarine Adaptation: The Incorporation of Climate Change into Estuary Management Planning. <u>A. HOSKING</u> (Halcrow Inc.).</p> <p>Tampa Bay—Preparing for a Climate Ready Estuary. <u>E.T. SHERWOOD</u> & <u>H.S. GREENING</u> (TBEP).</p> |
| 3:45PM – 4:00PM | BREAK |



"Using our Knowledge to Shape our Future"

Preliminary Program

DAY THREE (Thursday, October 22, 2009)

| TIME | SESSION (<i>Organizer</i>) |
|-----------------------|---|
| 4:00PM – 5:00PM | <i>Panel Discussion: Climate Change & Future Challenges (Ernie Estevez)</i> |



“Using our Knowledge to Shape our Future”

Preliminary Program
DAY FOUR (Friday, October 23, 2009)

7:30AM Registration

9:00AM Breakfast (7:30AM – 8:00AM)

TIME SESSION (Organizer)

Focus of the Day

8:00AM
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8:15 AM Tampa Bay’s Anthropology & Archaeology; Science Communication; Meeting Synthesis & Next Steps

Tampa Bay’s Archaeology & Anthropology (Bill Burger)

Planned Agenda:

8:15 AM The People in Between: Tampa Bay Natives from Contact to Extinction. B.W. BURGER.
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9:00 AM Prehistoric Coastal Habitation and Early Maritime Travel on Old Tampa Bay. P. KOLIANOS (Weedon Island Preserve, Pinellas Co.).
Underwater Tampa Bay and Beyond Submerged Cultural Resources. J. MOATES (Fl. Public Archaeology Network).

9:00AM
–
9:15AM BREAK

Relaying the Message – Science Communication (Nanette O’Hara)

9:15AM Planned Agenda:
–
10:00AM Can Science and Sound Bites Coexist? Improving Communication Between Scientists, the Public and the Media. N. O’HARA (TBEP).

10:00AM
–
10:15AM BREAK

BASIS 5 Synthesis & Next Steps Towards Maintaining Progress

10:15AM Planned Agenda:
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10:30AM Tampa Bay Estuary’s Progress Towards Goals. H.S. GREENING, E.T. SHERWOOD, L.M. CROSS & N. O’HARA (TBEP).

Panel Discussion: BASIS 5 Wrap-Up/Synthesis, Identify New Knowledge / Management Gaps, Develop Needed Next Steps

10:30AM
–
12:00AM

- Holly Greening, Tampa Bay Estuary Program
- Suzanne Cooper, Tampa Bay Regional Planning Council
- Dr. Ernie Estevez, Mote Marine Laboratory
- Dr. Ernst Peebles, University of South Florida
- George Henderson, FWRI (Retired)