

**Biscayne National Park Science Symposium**  
**Tentative Schedule of Events - February 27, 2013**

**Wednesday**

	<b>Time</b>	<b>Presenter (Affiliation)</b>	<b>Title</b>
	8:00	NPS Staff	Opening Remarks
<b>Mainland</b>	8:15	Bahram Charkhain (SFWMD)	Biscayne Bay Coastal Wetlands
	8:30	Cynthia Guerra (Miami-Dade Co.)	Status of the Acquisition and Management of the South Dade Wetlands Environmentally Endangered Lands Preserve
	8:45	Michael Andrejko (HARB)	Dealing With Both Invasive Exotic and Listed Native Plant and Animal Species at Homestead ARB: Benefits of Interagency Cooperation
	9:00	Gladys Liehr (NMFS-SEFSC)	Introducing IBBEAM – An Integrated Biscayne Bay Ecological Assessment and Monitoring Program
<b>Bay</b>	9:15	Sarah Bellmund (NPS-BISC)	Salinity Patterns in Western Biscayne National Park and Southern Biscayne Bay
	9:30	Diego Lirman (RSMAS)	Status and Trends of SAV Communities in Western Biscayne Bay
	9:45	Joan Browder (NMFS-SEFSC)	Biscayne Bay Alongshore Epifauna - Indicators of Ecosystem Change
	<b>BREAK (10:00-10:15AM)</b>		
	10:15	Joe Serafy (NMFS-SEFSC)	Monitoring Biscayne Bay's Mangrove Shoreline Fishes
	10:30	Rolando Santos (RSMAS)	Marine Fish and Invertebrate Community Response to Submerged Aquatic Vegetation Spatial Patterns in Nearshore Seascapes
	10:45	Ian Zink (UM-NOAA)	Temperature and Salinity Influences on Growth, Survival, and Potential Productivity of Pink Shrimp ( <i>Farfantepenaeus duorarum</i> )
	11:00	Rene Price (FIU)	Determining the Dominant Sources of Freshwater, including Submarine Groundwater Discharge, to Biscayne Bay
	11:15	Bryan Dewsbury (FIU)	A Quantitative & Qualitative Analysis of the SAV and Biogeochemistry of Biscayne Bay
	11:30	Christian Avila (Miami-Dade Co.)	A Review of Miami-Dade County's Long Term Benthic Habitat Monitoring Program in Biscayne Bay
	11:45	Amanda Bourque (NPS-BISC)	Ecosystem Structure in Disturbed and Restored Subtropical Seagrass Meadows
<b>LUNCH (12:00-1:00PM)</b>			
<b>Islands</b>	1:00	Rachel Daddona (RSMAS)	Management of Sea Turtle Nests in Biscayne National Park, Florida
	1:15	Robert Muxo (NPS-SFCN)	Monitoring Colonial Nesting Birds in Biscayne National Park
	1:30	Tony Pernas (NPS-EPMT)	Stemming the Tide of Invasive Plant Species in Biscayne National Park
	1:45	Andrea Atkinson (NPS-SFCN)	From Tiny Tardigrades to Champion Trees – Biscayne BioBlitz 2010
<b>Reef</b>	2:00	Christina Vilmar (NPS-BISC)	Lionfish Repopulation Rate at Preferred Sites Following Removal
	2:15	Rob Waara (NPS-SFCN)	South Florida/Caribbean Network's Long Term Marine Benthic Monitoring in Biscayne National Park
	2:30	Michael Feeley (NPS-SFCN)	Monitoring and Conservation of Reef Fish Populations in the South Florida/Caribbean Network
	2:45	John Lisle (USGS)	The Influence of Pore Water Flux on Nutrients and Carbonate Chemistry at the Sediment Interface at Alinas and Anniversary Reefs: Implications on Settlement and Establishment of Coral and Other Invertebrate Larvae
	<b>BREAK (3:00-3:15PM)</b>		
	3:15	Allen Wilson (UWF)	The Excavation and In Situ Conservation of the Soldier Key Wreck
	3:30	Allen Wilson (UWF)	Conservation of the Artifacts of the Soldier Key wreck
	3:45	Ilsa Kuffner (USGS)	Calcification Over Space and Time on the Florida Keys Outer-reef Tract
4:00	Diego Lirman (RSMAS)	Status and Trends of Coral Reef Habitats of Biscayne National Park	
4:15	Pamela Hallock (USF)	Applications of Biomarkers & Bioindicators: Case Studies in Biscayne National Park	
4:30	Mark Chiappone (NSU)	Large-scale Surveys of Benthic Coral Reef Organisms & Marine Debris in Biscayne National Park	
4:45	Karen Neely (FWRI-FWC)	Survival and Growth of Elkhorn Coral, <i>Acropora palmata</i> , in Biscayne National Park	
	5:00	NPS Staff	Closing remarks; adjourn

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**Thursday**

	<b>Time</b>	<b>Presenter (Affiliation)</b>	<b>Title</b>
<b>Reef</b>	8:00	Ilsa Kuffner (USGS)	Drivers of Fish and Benthic Community Structure on Patch Reefs in Biscayne National Park
	8:15	Joshua Marano (NPS-ACE)	The Utilization of Advanced Technology to Identify Submerged Cultural Resources in Biscayne National Park
	8:30	Brooke Gintert (RSMAS)	Advancing Coral Community Monitoring Using Underwater Image Mosaics
	8:45	Stephanie Schopmeyer (RSMAS)	Propagation and Restoration of <i>Acropora</i> in Biscayne National Park
	9:00	Charles Lawson (NPS-BISC)	Archeological Investigations at the "English China Wreck", Biscayne National Park
	9:15	Stephen Lubkemann (GWU)	(Ship) Wrecks, (Historic) Wreckers, and (Contemporary) Ransackers: Archaeology in the Assessment of Human Impact on Biscayne's Maritime Cultural Landscape
	9:30	Emily McGrath (NPS-BISC)	Propagating Rubble-binding Sponges for use in Reef Restoration
	9:45	Lisa Krinsky (FL Sea Grant)	Evaluating the Efficacy of Reef Visual Census Data as a Tool for Marine Debris Identification and Removal Along the FL Keys Reef Tract
<b>BREAK (10:00-10:15AM)</b>			
<b>Islands</b>	10:15	Dan Crossett (NPS-BISC)	Coral Propagation: A Growth and Survival Comparison Among Six Scleractinian Boulder Corals Employing In Situ and Ex Situ Nursery Techniques
	10:30	Margaret Miller (NMFS-SEFSC)	Coral Recruitment and Condition at Two Reef Restoration Sites
	10:45	Tony Pernas (NPS-EPMT)	Mexican Red-Bellied Squirrel Eradication Efforts
	11:00	Brooke Shamblin (NPS-SFCN)	Tropical Hammock Forest Monitoring in Biscayne National Park
	11:15	Joyce Maschinski (Fairchild)	Demography and Genetic Structure of Wild and Reintroduced Populations of <i>Pseudophoenix sargentii</i>
	11:30	Vanessa McDonough (NPS-BISC)	A Brief Overview of the Status of the Endangered Schaus Swallowtail Butterfly in Biscayne National Park
	11:45	Andy Davis (NPS-SFCN)	Geospatial Assessment of Habitats in Biscayne National Park: Merging Three Maps to Produce a Comprehensive Product
	<b>LUNCH (12:00-1:00PM)</b>		
<b>Bay</b>	1:00	Libby Johns (NOAA-AOML)	Temperature, Salinity, and Chlorophyll Variability in Biscayne Bay and the Southern Estuaries, 2002 - 2012
	1:15	Sarah Bellmund (NPS-BISC)	Integrated Biscayne Bay Ecological Assessment & Monitoring: Developing Salinity Regime Metrics for Biscayne National Park and Western Biscayne Bay
	1:30	Frank Marshall (Cetacean Logic Fdn.)	Biscayne Bay Nutrient Loads and Water Quality Box Model
	1:45	Henry Briceño (FIU-SERC)	Derivation of Protective Numeric Nutrient Criteria for Biscayne Bay Waters
	2:00	Stephen Blair (Miami-Dade Co.)	Surface Water Quality Monitoring Program within Biscayne Bay and Biscayne National Park: Benefits of a Multi-Decadal Database For Our Estuarine Waters
	2:15	Peter Swart (RSMAS)	A Two Year Study of the Nitrogen and Carbon Isotopic Composition of Biotic Components and Waters from Biscayne Bay
	2:30	Piero Gardinali (FIU)	Concentration of Trace Metals in Sediments & Soils from Protected Lands in South Florida: Background Levels & Risk Evaluation
	2:45	Ligia Collado Vides (FIU)	Macroalgae as Bioindicators of Nutrient Status of a Strongly Managed Region of Biscayne Bay, Florida, USA
<b>BREAK (3:00-3:15PM)</b>			
<b>Mainland</b>	3:15	Tim Bargar (USGS)	Baseline Aquatic Contamination of Canal Waters Entering Biscayne N.P. & the Potential for Endocrine Disruption in the Resident Biota
	3:30	Jenny Litz (NMFS-SEFSC)	Update on Common Bottlenose Dolphin Research in Biscayne Bay: Stock Structure and Contaminants of Concern
	3:45	Ligia Collado Vides (FIU)	A Persistent Bloom of <i>Anadyomene Lamouroux</i> Species (Anadyomenaceae, Chlorophyta) in Biscayne Bay, Florida
	4:00	Michelle Prats (FIU-NPS)	Establishment of Long Term Soil Surface Elevation Monitoring Sites in Biscayne National Park
	4:15	Michael Cherkiss (USGS)	The American Crocodile in Biscayne Bay, Florida
	4:30	John Lloyd (Ecstudies Institute)	Abundance and Distribution of Mangrove Landbirds in Florida
	4:45	Gisele Colbert (E Sciences, Inc.)	Homestead Air Reserve Base and Military Canal Fish Population/Distribution Study
	5:00	NPS Staff	Closing remarks; adjourn