

Fire Island National Seashore—9th Biennial Science Conference

Schedule of Presentations for March 28, 2014



8:00 am	REGISTRATION, COFFEE & POSTERS Patchogue YMCA, 255 West Main Street Patchogue, New York 11772	
9:00 am	Welcome/Orientation	Chris Soller, Superintendent Fire Island National Seashore (FIIS)
9:05 am	Keynote: <i>Exploring the Interface: Earth, Air, Water, and Life on Fire Island</i>	Dr. Hank Art Williams College
9:35 am	<i>Change in the Eastern Box Turtle Population at the William Floyd Estate—FI Herp Inventory revisited</i>	Dr. Nancy Karraker University of Rhode Island
9:55 am	<i>National Park Service Old Inlet Breach Monitoring and Science Coordination</i>	Patricia Rafferty/Dr. Charles Roman Coastal Scientists, NPS, NER
10:15 am	<i>The Opening of the Breach in Fire Island and its Impact on Great South Bay</i>	Dr. Charles Flagg/Dr. Roger Flood SUNY Stony Brook
10:35 am	BREAK AND POSTERS	
11:05 am	<i>Controls on Barrier Island Response and Recovery to Hurricane Sandy</i>	Dr. Cheryl Hapke U.S. Geological Survey
11:25 am	<i>Assessing the Response of the Great South Bay Water Quality and Plankton Community to Hurricane Sandy</i>	Dr. Chris Gobbler SUNY Stony Brook
11:45 am	<i>Monitoring Benthic Condition in Great South Bay and the Old Inlet Breach</i>	Dr. Bradley Peterson SUNY Stony Brook
12:05 pm	LUNCH ON YOUR OWN	
1:35 pm	Video Presentation: <i>Science Communications at Fire Island National Seashore</i>	Elizabeth Rogers, Park Ranger Fire Island National Seashore
1:45 pm	<i>Restoration of Sediment Transport Processes at Sailors Haven: Evaluation of 2011 Demonstration Project and Plans for Beneficial Use</i>	Patricia Rafferty, Coastal Ecologist National Park Service, Northeast Region
2:05 pm	<i>2013 Dolphin Mortality Event and Stranding Data of Marine Mammals and Sea Turtles on Fire Island and Long Island</i>	Kim Durham, Stranding Program Director Riverhead Foundation
2:25 pm	BREAK AND POSTERS	
2:45 pm	<i>Response of Piping Plovers to Habitats Created by Hurricane Sandy and Local Management, Preliminary Results.</i>	Dr. James Fraser Virginia Polytechnic Institute and State University
3:05 pm	<i>Human Influence on the Behavioral Ecology of White-tailed Deer on Fire Island</i>	Lindsay Ries, Wildlife Biologist Fire Island National Seashore
3:25 pm	<i>White-tailed Deer, Erosion, and Hurricane Impacts to the Sunken Forest and Other Maritime Forests of Fire Island</i>	Jordan Raphael, Biologist Fire Island National Seashore
3:45 pm	<i>Assessment of Spawning Horseshoe Crabs within FIIS/Mid-Atlantic Coastal NPS Units</i>	Patricia Rafferty, Coastal Ecologist National Park Service, Northeast Region
4:05 pm	Concluding Remarks	Michael Bilecki, Chief Resources Management, Fire Island National Seashore
4:15 pm	ADJORN FOR THE DAY	

List of Posters—March 28, 2014

15 Years of Fire Island National Seashore Mosquito Monitoring	Kaetlyn Kerr, Biological Technician Fire Island National Seashore
A Decade of Monitoring the Response of Salt Marsh Elevation to Sea-Level Rise at Fire Island	Dr. James Lynch/Dr. Charles Roman Coastal Ecologists, National Park Service
Assessing Inundation Risk and Storm Surge at Fire Island National Seashore Using High Accuracy Geodetic Control	Mike Bradley, Andrew Neil, Charles Labash, and Pete August, University of Rhode Island
Early Detection Rapid Response to <i>Carex kobomugi</i> (Asiatic sand sedge) on Fire Island	Jordan Raphael, Biologist Fire Island National Seashore
Fire Island National Seashore as an Outdoor Classroom	Ruth Coffey, Adjunct Professor Adelphi University
Fire Island National Seashore Breach EIS	Fire Island National Seashore Staff
Fire Island National Seashore General Management Plan	Fire Island National Seashore Staff
Hurricane Sandy Overwashes and Vegetation Recovery	Jordan Raphael, Biologist Fire Island National Seashore
Long-term Monitoring of Ocean Shoreline Position Change at Fire Island National Seashore	Jordan Raphael, Biologist, FIIIS Dennis Skidds, Data Manager, NPS
National Park Service Exotic Plant Management Team Fire Island National Seashore Projects	Betsy Lyman, Program Manager Northeast Region, EPMT
Sandy Rapid Response Inundation Project	Robert Weiss, Virginia Polytechnic Institute and State University
Transportation as a Barrier to Visiting National Parks by Communities of Color	William Vincent Pierce University of Vermont
Trends in Nesting Birds on Great South Bay Islands within Fire Island National Seashore	Lindsay Ries, Wildlife Biologist Fire Island National Seashore
Vegetation Monitoring, Forest Regeneration, and Browsing Impacts at the William Floyd Estate	Jordan Raphael, Biologist Fire Island National Seashore
Visitor Attitudes Towards the Otis Pike Wilderness Area Post Superstorm Sandy	Dr. Enid Lotstein Bronx Community College
William Floyd Estate Vegetation Survey	Jordan Raphael, Biologist Fire Island National Seashore

Field Trip to Breach at Old Inlet—March 29, 2014

A guided 3-mile round-trip hike to the breach in the Fire Island Wilderness. Along the way, explore Fire Island's dynamic shoreline, dunes, and the only federally designated wilderness area in New York State. See first hand the changes Hurricane Sandy brought to the barrier island, and the changes since, and hear from researchers and park staff about the science of coastal change.

10:00 am	Meet at Fire Island National Seashore's Wilderness Visitor Center, located adjacent west of Smith Point County Park in Mastic Beach, New York.
Directions:	Take William Floyd Parkway (LIE exit 68S or Sunrise Highway exit 58S) south to the end. Park in the Smith Point County Park parking lot and walk west (approximately 5 minutes) across the traffic circle to the two-story Wilderness Visitor Center. Car pooling is recommended.
What to Wear/ What to Bring:	Be prepared for a 3-hour, 3-mile hike and for walking on soft sand. Dress for the weather (it can be colder and windy by the shore), and wear sturdy walking shoes/boots. Bring drinking water, a light snack, and binoculars if you have them.
1:00 pm	Approximate return time to Wilderness Visitor Center