

NOAA Hydrographic Services Review Panel Public Meeting

Miami, Florida, April 4-5, 2018

HSRP PUBLIC Agenda (Version 8, updated March 30, 2018 *)

* Times and speakers are subject to change; for updates, please check the website:

Additional materials: <https://www.nauticalcharts.noaa.gov/hsrp/meetings.htm>

Webinar: <https://register.gotowebinar.com/register/6210294947783426818>

Wednesday, April 4 – Day One

Venue *Atton Brickell Hotel, 1500 SW 1st Avenue, Miami ph. 786-600-2600*
Morning **HSRP PUBLIC MEETING DAY 1 CONVENES, Drive/Passion/Persistence rm**
8:30 – 10:00 **PUBLIC MEETING: welcome, introductions, goals, deliverables**

- Rear Admiral Shepard M. Smith, director, Office of Coast Survey (OCS), National Ocean Service (NOS), National Oceanic and Atmospheric Administration (NOAA), and HSRP designated federal official (DFO)
- Joyce Miller, HSRP chair
- HSRP member self-introductions
- Dr. W. Russell Callender, Assistant Administrator, NOS
- Richard Edwing, director, Center for Operational Oceanographic Products and Services
- Rear Admiral Shepard M. Smith
 - Overview on Safety of Life at Sea (SOLAS), section 5, regulation 9

10:00-10:15 **Break**

10:15-11:55 **Navigation Services Support and Federal Emergency Response: Lessons Learned and Future Directions**

This session will include an overview of the navigation services support that is available from the National Ocean Service such as remote sensing, storm surge forecasts, storm quick views, regionalized navigation response teams, and the role of navigation managers. It will look at broader topics and lessons learned from Federal emergency response including the 2017 hurricane season impacts from Irma and Maria to Florida and the U.S. Caribbean as well as

future directions for collaboration. This will touch on the decision making process and the response to mapping, surveying, charting, remote sensing, photogrammetry, positioning, and other navigation service interests.

Moderator: Mr. Mike Aslaksen, chief, Remote Sensing Division, National Geodetic Survey, NOS

INTRODUCTION:

- Dr. Russell Callender, assistant administrator, NOS

“Overview of the NOS tools for navigation related emergency response”

An overview on the NOS tools for navigation service related emergency response. The emergency response products and services include – remote sensing, Lidar, photogrammetry, Storm Quick Views, operational forecasts, navigation response teams, mobile integrated survey team (MIST), Navigation Managers, and others to highlight NOS navigation services portfolio.

SPEAKERS:

- Captain LaDonn Allen, prevention chief, Marine Transportation System Recovery Unit, U.S. Coast Guard, District 7

“Marine Transportation System Recovery: Hurricanes IRMA and MARIA- Best Practices and Lessons Learned pre and post storm”

Partnerships with Federal, State and local agencies, the maritime industry and Department of Defense were the key to success albeit there were many challenges.

- Capt. Sam Stephenson, J.D., president, Florida Harbor Pilots Association

“The Role of the Pilots Associations in Disaster Recovery”

First line of defense and protector of Florida's ports and channels, harbor pilots provide invaluable and subtle services to the state's economy. Post hurricane, harbor pilots are one of the first on scene working in conjunction with federal, state and local authorities to reopen ports as quickly and safely as possible with the main priority of getting oil tankers into Florida ports to replenish the petroleum supply.

- Mr. Christopher Vaughan, geospatial information officer, Federal Emergency Management Agency (FEMA)

“FEMA and GIS: The Role of Technology and Data in Disaster Management”

In 2017, the United States experienced some of the most significant disasters in its history in terms of their social and economic impact. FEMA is the key federal agency tasked with addressing disasters. In recent years, they have made it a strategic priority to develop GIS data and cutting edge technologies that now enable them to more effectively support communities before, during and after disasters. In this presentation, you will see demonstrations of the tools now available from FEMA and learn how they are used around the nation to support the emergency management lifecycle.

- Mr. Terry Thornton, senior vice president, Port Operations, Guest Care and International Carnival, Carnival Cruise Line

“Post Hurricane Maria Recovery and working with FEMA”

Hurricanes Harvey, Irma, Maria and Nate created significant impact to cruise operations with the damage to the Eastern Caribbean destinations as well as the disruptions to homeport operations throughout the Gulf and Southeast U.S. regions. This discussion will focus on how the cruise industry deals with these situations to ensure the safety of our guests and crew and manage the complex logistics to provide our guests with the best possible vacation experience.

- Mr. Steve Detwiler, FPEM, emergency management planner (Recovery & Public-Private Partnership), Miami-Dade Fire Rescue Department, Florida

“Port Miami and the Emergency Management Program”

This presentation will address the importance of Port Miami on the county and regional economy. The presentation will also discuss the Port’s role in the county’s emergency management and resiliency program.

- Mr. Brian Brodehl, chief, Surveying and Mapping branch, Jacksonville District, U.S. Army Corps of Engineers

Post storm impact and the role of the U.S. Army Corps of Engineers

11:55 Public comment period

12:00 - 1:30 Lunch – on your own (HSRP members / NOAA HSRP staff working lunch)

1:30 - 3:15 HSRP updates from the Tri-Office directors and University of New Hampshire, Center for Coastal Ocean Mapping and NOAA Joint Hydrographic Center (UNH CCOM JHC)

National Ocean Service’s navigation services priorities and updates

- Mr. Richard Edwing, director, Center for Operational Oceanographic Products and Services
- Ms. Juliana Blackwell, director, National Geodetic Survey
- Rear Admiral Shepard M. Smith, director, Office of Coast Survey

3:15 - 3:30 Break

**3:30 – 5:30 HSRP working group discussion; HSRP recap on day 1
HSRP Planning & Engagement Working Group;
HSRP discuss issue paper(s), NSPS letter, other topics**

Dr. Dave Maune and Kim Hall, chairs, HSRP Planning and Engagement Working Group

- Updates on topics of interest
 - Captain Richard Brennan, chief, NOS OCS Hydrographic Surveys Division, updates on precision navigation and fleet recapitalization
- Review, discuss and finalize issue paper and recommendations:
 - Draft new issue paper: *“Marine and Geospatial Data Infrastructure is Vital to the US Economy”*
 - Issue paper update, *“The NOAA Hydrographic Survey Fleet: A Critical National Asset”* and others
- Discuss licensing and letter from National Society of Professional Surveyors to HSRP
- Updating the HSRP matrix topics of interest: big data, infrastructure, hydrographic certification, next issue papers, other discussion

HSRP PUBLIC MEETING DAY 1 ADJOURNS

Thursday, April 5 – Day Two

Morning

HSRP PUBLIC MEETING DAY 2 CONVENES

8:30

Public meeting reconvenes

- Joyce Miller, HSRP chair
- Rear Admiral Shepard M. Smith

8:30 – 9:00

Overview and discussion of day one, recommendation letter, issue paper, other topics

9:00 – 9:45

HSRP Working Group report outs and discussion

Mr. Ed Saade and Mr. Lindsay Gee, chairs, HSRP Technology Working Group

- Discuss request from NOAA’s Science Advisory Board to coordinate on a 12-18 month project
- Open discussion: *“How can emerging technology be used by NOAA to integrate information towards immediate needs such as navigation and emergency response, as well as long-term planning for coastal communities that enables continued economic development in the*

face of global change? How can scientific tools and developments support the needs of ports, harbors and the coastal communities they depend on?

- Topics of interest, OCS Bathymetric Operational Modelled database (BOMB), unmanned systems, other

9:45 – 10:00

Break

10:00 – 11:55

Coastal and Maritime Community Risk Reduction

Introduction and Moderator: Dr. Larry Atkinson, HSRP member

Coastal communities and the maritime industry are facing increased flooding. The session will provide information about the planning and activities in the region to address risk management. NOAA's navigation services and other data are used to inform smarter planning. From Sea Level Rise to high tide flooding to infrastructure planning, NOS data, products and services inform risk management. The discussion will focus on the data and modeling requirements and some of the changes that are coming to building, infrastructure, and other coastal requirements for Florida.

SPEAKERS:

- The Honorable Kristin Jacobs, Florida House of Representatives

“Leadership for a Resilient State”

Communities across the state are experiencing an increase in extreme events and their impacts: unprecedented rainfall, massive storms, and recurrent tidal flooding. As we have seen with Irma and Matthew, these events have severe and diverse implications – affecting infrastructure, services, local economies, and community livability. Local and state officials are taking increasing note, recognizing the need to organize and advance state level planning, programs, and resources to address these costly events while working to compliment local efforts, where action is well underway. Leading the advocacy for pragmatic and collaborative approaches, Florida House Representative Kristin Jacobs will highlight current priority needs for increasing resilience in the state.

- Mr. Anthony Reynes, marine program leader, Miami Forecast Office, National Weather Service, NOAA

“Marine Weather Forecast Products and Support Services in the Wake of Irma”

Knowing what forecast products are tailored for planning and decision-making, as well as where to find them, is key to effectively respond during high-impact events such as hurricanes. Irma provided a prime example of how misleading information, combined with an inaccurate perception from many in the marine community of Miami, can lead to the wrong decisions in terms of preparedness and mitigation.

- Dr. Samantha Danchuk, science coordinator, Southeast Florida Climate Compact, and Assistant Division Director, Broward Country,

Environmental Protection and Growth Management Department,
Environmental Planning And Community Resilience Division

“Regional Resilience Standards and Planning”

For nearly ten years, the four county governments of Southeast Florida have collaborated via the Southeast Florida Regional Climate Change Compact to ensure consistent regional resilience planning occurred, advantages gained by applying cutting edge policy and tools were shared and regional needs were communicated to resourceful partners and champions. This overview will highlight progress of resilience initiatives and pending challenges.

- Mr. James F. Murley, chief resilience officer, Regulatory and Economic Resources Department, Miami-Dade County

“Safe and Stronger Cities”

Communities across the US and in other countries are planning for shocks and stresses that may interrupt ocean shipping and coastal infrastructure. The Rockefeller Foundation’s 100 Resilient Cities Program is sponsoring the development of Resilient Strategies to make communities more resilient. Greater Miami and the Beaches, a partnership of Miami-Dade County and the Cities of Miami and Miami Beach are participating in the 100 Resilient Cities Program. Supportive regional, state and national organizations include the Southeast Florida Regional Climate Change Compact, Resiliency Florida, the Florida Ocean Alliance, and the Coastal States Stewardship Foundation. This overview will provide how these programs and civic organizations are working together.

- Mr. David Anderton, assistant director, Port Everglades

“Critical Infrastructure Resilience at Port Everglades”

Port Everglades is currently GIS mapping all existing infrastructure, determining the sea level susceptibility elevation of critical infrastructure components, and working with Florida Atlantic University and the University of Illinois Critical Infrastructure Resiliency Institute identify opportunities to improve the resiliency of our infrastructure. In addition, planned and ongoing infrastructure construction projects are being subjected to an analyses of sea level rise resiliency, and designed to optimize sea level rise resiliency.

- The Honorable Chip LaMarca, Broward County Commission

“Shoring Up Through Economic Resilience and Investments”

Commissioner Chip LaMarca has advocated strongly for enhanced investment in shoreline protection projects and flood protection infrastructure in Broward County. He will share the local perspective on some of the most critical short and long-term needs and the lessons that can be drawn from shoreline protection as model for community resilience.

11:55 **Public comment period**

12:00 - 1:30 **Lunch on your own (HSRP members / NOAA HSRP staff working lunch)**

Afternoon

HSRP PUBLIC MEETING RECONVENES

1:30 – 3:30

HSRP member discussion and recap: Member and working group recap, review of day, discussion of recommendation letter

Joyce Miller and Ed Saade, HSRP co-chairs and working group chairs

- Working Group chairs, Lindsay Gee, Ed Saade, Kim Hall, Dave Maune
- HSRP consensus recommendations and/or concurrence on issue paper and recommendations:
 - Final updates on *“Marine and Geospatial Data Infrastructure is Vital to the US Economy”*
 - Other issue paper updates and other topics
- Recommendation letter

3:30 - 3:45

Break

3:45 - 4:55

HSRP recap continued: recap of actions, closing remarks

- Meeting recap and all members round robin
- Discussion about Alaska HSRP public meeting, August 28-30, 2018
- Other topics – strategic priorities, next meetings, updating the HSRP matrix, issue papers, working groups, next meeting topics, other topics of interest

4:55

Public comment period

HSRP PUBLIC MEETING DAY 2 CONCLUDES
