***UPDATED 20 June 2019***

**DRAFT – times, dates, topics and speakers are subject to change**

**NOAA HSRP HSRP Public Meeting Agenda - 3 day meeting cheat sheet**

To receive meeting updates, email: Virginia.Dentler@noaa.gov, Lynne.Mersfelder@noaa.gov

HSRP WEBINAR: [**https://attendee.gotowebinar.com/register/7384771285594719747**](https://attendee.gotowebinar.com/register/7384771285594719747)

 HSRP WEBSITE: **https://www.nauticalcharts.noaa.gov/hsrp/meetings.htm**

 **https://www.nauticalcharts.noaa.gov/hsrp/hsrp.htm**

***\*ALL topics, times, speakers are subject to change; all times are Central Standard Time (CST)***

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| **Tuesday, Aug 27** | **Wednesday, Aug 28** | **Thursday, Aug 29** |
| **- 9am Opening** - NOAA and NOS leadership - USACE, USCG, Port welcome**- 10:45am Special session:** Precision Navigation  | **- 8:30am Recap on prior day** - Working Group updates **- NOAA Fleet Recap**  **- Special session:** Unmanned Systems***- Public comment period*** | **- 8:30am Recap on prior day** **- 10am Special session:** Addressing Subsidence and SLR Challenges ***- Public comment period*** |
| 12-1:30 LUNCH ON YOUR OWN (HSRP members - WORKING LUNCH)  | 11:45-1 LUNCH ON YOUR OWN (HSRP members - WORKING LUNCH) | 12-1 LUNCH ON YOUR OWN(HSRP members - WORKING LUNCH) |
| **- 1:30pm Special session:** Stakeholder session ***- Public comment period***- 3:30pm NOS Tri-Office Director & UNH priorities- HSRP working group discussion and issue papers**- 6:00pm Meeting concludes** | - 1pm HSRP working group(s) discussion and issue papers**- 2pm Meeting concludes** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | - 1-5pm HSRP working group discussions, issue papers, and priorities:Planning and Engagement, Tech, and Arctic working groups- Small group discussion on issue papers, recommendation letter - HSRP recommendations and letter- Meeting wrap up**- 5pm Meeting concludes** |

**NOAA Hydrographic Services Review Panel**

Public Meeting, New Orleans, LA, August 27-29, 2019

HSRP HSRP Agenda\*

*\*Topics, times and speakers are subject to change. Times are in Central Standard Time (CST)*

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**Tuesday, August 27 – Day One**

**MEETING VENUE: Monteleone Hotel**, 214 Royal St, New Orleans, LA 70130

**RSVP for meeting:** Virginia.Dentler@noaa.gov and Lynne.Mersfelder@noaa.gov

**DRESS:** Business / business casual **NOAA Uniform**:dress blues

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Morning **HSRP FAC meeting, PUBLIC MEETING DAY 1 CONVENES**

**9:00 – 10:30**

* **Ed Saade**, HSRP chair
* **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
* **Nicole LeBoeuf**, Acting Assistant Administrator, NOS/NOAA
* **RDML Tim Gallaudet,** Assistant Secretary of Commerce for Oceans and Atmosphere and Deputy NOAA Administrator
* **Major General Mark R. Toy,** Commander, Mississippi Valley Division, U.S. Army Corps of Engineers
* **Rear Admiral John P. Nadeau**, Commander, 8th U.S. Coast Guard District or rep
* **Brandy D. Christian**, **P**resident and CEO of the Port of New Orleans, CEO of the New Orleans Public Belt Railroad Corp.

**10:30 – 10:45** Break

**10:45 – 12:00 Precision Navigation Overview and Implications for the Mississippi River**

**Moderators and introduction:** Sean M. Duffy, Sr., HSRP member, and Capt. Liz Kretovic, Deputy Hydrographer, OCS/NOS/NOAA

*A look at Precision Navigation requirements, traffic management and the economic impact to Louisiana and the Mississippi river. A discussion among speakers and HSRP members will follow.*

* **Captain Greg Bush,** President, Federal Pilots of Louisiana
* **Captain Michael Miller**, President, Associated Branch (Bar) Pilots
* **Captain Stephen Hathorn,** President, New Orleans / Baton Rouge Steamship Pilots Association (NOBRA)
* **Captain Michael Bopp**, President, Crescent River Pilots Association
* **John G.W. Kelley**, Ph.D., Coastal Marine Modeling Branch, Coast Survey Development Laboratory, OCS/NOS NOAA

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**12:00 – 1:30 Lunch on your own** (HSRP members have a working lunch)

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**1:30 – 3:00 Partnerships for the future: the mission of the Navigation Services – data, products and services**

**Moderators and introduction:** Sean M. Duffy Sr., Big River Coalition, HSRP member; Tim Osborn, Navigation Manager, OCS / NOS / NOAA

*The use of hydrographic and navigation services data, products, and services and the economic impact to Louisiana, the Mississippi river, and the region. A discussion among speakers and HSRP members will follow.*

* **Dr. Ty V.** **Wamsley,** Director, U.S. Army Coastal and Hydraulics Laboratory, Engineer and Research Development Center (ERDC), U.S. Army Corps of Engineers
* **Chris Collins,** Director, Waterways, Office of Multimodal Commerce, Louisiana Department of Transportation and Development
* **Mark Wingate**, P.E., Deputy District Engineer for Programs and Project Management, Executive Office, New Orleans District, U.S. Army Corps of Engineers

***Coastal Wetlands, Planning, Protection and Restoration Act (CWPPRA)***

* **Mike Steenhoek**, Executive Director, Soy Transportation Coalition
* **Paul Aucoin**, Executive Director, Port of South Louisiana
* **Matt Lagarde**, Assistant Vice President Health, Safety, Security, and Environment, Ingram Barge Company

**3:00 – 3:15 Public comment period – comments in room and via webinar**

**3:15 – 3:30 Break**

**3:30 – 4:30 Challenges, Concerns and Risks for the navigation services portfolio**

*National Ocean Service’s office directors will address navigation services topics such as datums, precision navigation, unmanned systems, and their challenges, concerns and risks. This session will touch on datums, precision navigation, unmanned systems, mapping, surveying, charting, remote sensing, photogrammetry, positioning, and water levels in support of “seamless data”.*

* **Rear Admiral Shepard M. Smith**, director, OCS
* **Juliana Blackwell**, director, National Geodetic Survey (NGS)
* **Richard Edwing**, director, Center for Operational Oceanographic Products and Services (CO-OPS)

**4:30 – 4:55 Stephen White**, Remote Sensing Division, NGS, NOS / NOAA

**V-Datum: Current and Future Directions**

Current activities of the VDatum Program, as well as challenges and future development efforts.

**4:55 – 5:45 HSRP working group discussions – issue papers, priorities, etc.**

**Planning and Engagement working group (P&E WG)**

Julie Thomas and Dave Maune, chairs, P&E WG

**5:45 – 6:00 Recap and day 1 wrap up**

**HSRP PUBLIC MEETING DAY 1 ADJOURNS**

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## **Wednesday, August 28 – Day Two**

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Morning **HSRP PUBLIC MEETING DAY 2 CONVENES,** New Orleans, LA

**8:30 – 9:00 PUBLIC MEETING:**

* **Ed Saade**, HSRP chair and **Rear Admiral Shepard M. Smith**, DFO NOAA

Day 1 recap and discussion

**9:00 – 9:30 Hot Topics – followed by discussion**

* **Rear Admiral Nancy Hann,** Deputy Director for Operations, NOAA Office of Marine and Aviation Operations, and Deputy Director, NOAA Commissioned Officer Corps

***NOAA OMAO Fleet Recap Update***

RDML Hann will provide an update to the 2016 NOAA Fleet Plan.

**9:30 – 9:45 Break**

**9:45 – 11:30 Partnerships and Unmanned Systems for Hydrographic Surveying**

*A look at how NOAA and industry are moving forward with autonomous systems to serve mapping, charting, and remote sensing for both marine navigation and aerial shoreline surveying.*

**Moderators and introduction:** Deanne Hargrave, and Ed Saade, HSRP members, HSRP Technology Working Group

* **Rear Admiral Nancy Hann,** Deputy Director for Operations, NOAA Office of Marine and Aviation Operations, and Deputy Director, NOAA Commissioned Officer Corps
* **Michael J. Starek, Ph.D.,** Associate Professor of Geospatial Engineering, Texas A & M University Corpus Christi, Director of the Measurement Analytics Lab (MANTIS), Conrad Blucher Institute for Surveying and Science

***UAS for Coastal Zone Monitoring of the South Texas Gulf Coast and Beyond***

 This presentation will showcase current work related to the use of small unmanned aircraft systems (UAS) for surveying and monitoring of the coastal zone within South Texas and other Gulf regions including wetland resiliency, post-storm impact assessment, near-shore processes, and survey-grade UAS LiDAR.

* **Capt. Andy Armstrong** (ret. NOAA Corps), co-director, University of New Hampshire Center for Coastal and Ocean Mapping and NOAA’s Joint Hydrographic Center (CCOM/JHC)

 ***Autonomous Surface Vessel Research and Development Program at the NOAA/UNH Joint Hydrographic Center / Center for Coastal and Ocean Mapping***

 A summary of the ongoing ASV research and development at the Center, the relevance to NOAA's navigation services mission, and examples of the research activities.

* **Capt. Brian Connon** (U.S. Navy ret.), Director, University of Southern Mississippi’s Hydrographic Science Research Center (HSRC)

 ***Research Projects in Unmanned Hydrography at the University of Southern Mississippi Hydrographic Science Research Center***

 This presentation will provide an overview of hydrographic research at USM’s HSRC with a focus on unmanned projects funded by NOAA OCS.

* **Thomas S. Chance**, Vice President and General Manager, L3/ASV Global (retired)
* **Rear Admiral Nancy Hann,** Deputy Director for Operations, NOAA Office of Marine and Aviation Operations, and Deputy Director, NOAA Commissioned Officer Corps
* **Lt. Damian Manda**,  Hydrographic Systems and Technology Programs Branch, Coast Survey Development Laboratory, OCS/NOS

***Unmanned Systems Activities and Strategy in NOAA’s Office of Coast Survey***

 A summary of unmanned systems development and operational use to augment NOAA's hydrographic data collection capabilities, and Coast Survey’s unmanned systems strategy updates.

**11:30 Public comment period**

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**11:45 – 1:00 Lunch on your own (HSRP members have a working lunch)**

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**1:00 – 1:45 HSRP working group discussions – issue papers, priorities, etc.**

**Planning and Engagement working group (P&E WG)**

Julie Thomas and Dave Maune, chairs

**Technology WG,** Deanne Hargrave, chairs

**Arctic Priorities WG,** Capt. Ed Page, chair

**1:45 – 2:00 HSRP Day 2 wrap up**

**HSRP DAY 2 ADJOURNS**

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## **Thursday, August 29 – Day Three**

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## **Morning HSRP PUBLIC MEETING DAY 3 CONVENES**

**8:30 – 9:15 Public meeting reconvenes and day 2 recap:**

* **Ed Saade**, HSRP chair and **Rear Admiral Shepard M. Smith**, DFO NOAA

**9:15 – 9:45 Subsidence, Interframe Velocity, and the National Spatial Reference System Modernization (NSRS)**

**9:45 – 10:00 Break**

**10:00 – 11:45 Addressing NOAA’s Existing and Potential Subsidence and Sea Level Rise Services for Hydrographic Services**

*Speakers will discuss subsidence, the challenges and changing risks from sea level rise and the critical observations and data from NOAA and partners needed to understand the impacts on communities, navigation services, and the constraints of the current planning system. Speakers will address gaps and offer suggestions for how NOAA can direct its finite resources to enhance safe, efficient, and environmentally sound maritime operations. A discussion among speakers and HSRP members will follow.*

**Moderators: Julie Thomas**, HSRP member, and **Audra Luscher**, CO-OPS/NOS/NOAA

* **Dr. Rick Luettich**, Professor and Director, Center for Natural Hazards Resilience University of North Carolina; Lead Principal Investigator for the Department of Homeland Security’s Coastal Resilience Center of Excellence
* **Cliff Mugnier**, C.P., C.M.S, Instructor,Center for Geoinformatics, Louisiana State University
* **Renee Collini,** Northern Gulf Of Mexico Sentinel Site Cooperative Coordinator, Mississippi Sea Grant
* **Windell Curole**, General Manager, South Lafourche Levee District
* **Guy McInnis**, President, St. Bernard Parish (invited)

**11:45 Public comment period**

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**12:00 – 1:00 Lunch on your own (HSRP members have a working lunch)**

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**Afternoon HSRP PUBLIC MEETING RECONVENES**

**1:00 – 2:30 HSRP working groups follow-up on priorities:**

**Planning and Engagement, Arctic Priorities, and Technology**

**2:30 – 2:45 Break**

**2:45 – 5:00 HSRP member discussion, recommendations, and recap**

**HSRP DAY 3 and PUBLIC MEETING CONCLUDES**

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