

# NOAA Hydrographic Services Review Panel

Public Meeting, March 5-7, 2024

All topics, times and speakers are subject to change, please consult the latest online agenda.

HSRP meeting documents/website: <https://www.nauticalcharts.noaa.gov/hsrp/>

**Please RSVP:** This is a public meeting and we would appreciate knowing that you will attend for planning needs. **Please register in advance:** <https://attendee.gotowebinar.com/register/3649212457556459094>

ASL interpreters will be visible on the GoToWebinar platform above. In addition closed captions will be available in March at a link to be provided on the meeting webpage. You will need to click a link each day to view the closed captions in a separate window.

<https://nauticalcharts.noaa.gov/hsrp/meetings/2024/spring-2024.html>

*\*All times are Pacific Standard Time (PST), Eastern Standard Times in parentheses. Topics, times, and speakers are subject to change.*

Tuesday, March 5	Wednesday, March 6	Thursday, March 7
<ul style="list-style-type: none"> <li>- 9:00AM (12:00PM) Opening Session</li> <li>- Leadership welcome</li> <li>- 10:15 (1:15) Local Stakeholder Panel</li> </ul>	<ul style="list-style-type: none"> <li>- 8:30AM (11:30AM) Recap on prior day</li> <li>- 9:30 (12:30) Adaptive &amp; Resilient Ports</li> <li>- 10:45 (1:45) Public Comment Period</li> <li>- 11:15 (2:15) HSRP Working group discussions</li> <li>- 12:00 (3:00) Meeting concludes for the day</li> </ul>	<ul style="list-style-type: none"> <li>- 8:30AM (11:30AM) Recap on prior day</li> <li>- 9:30 (12:30) Geospatial Modeling Grants</li> <li>- 10:30 (1:30) Public Comment period</li> <li>- 11:00 (2:00) Regional updates</li> </ul>
<ul style="list-style-type: none"> <li>- 12:00-1:15PM (3:00-4:15PM) HSRP members working lunch</li> </ul>		<ul style="list-style-type: none"> <li>- 12:00-1:15PM (3:00-4:15PM) HSRP members working lunch</li> </ul>
<ul style="list-style-type: none"> <li>- 1:15PM (4:15PM) Under Keel Clearance</li> <li>- 3:15 (6:15) Precision Marine Navigation</li> <li>- 3:30 (6:30) Navigation Observations and Positioning Portfolio</li> <li>- 4:45 (7:45) Public Comment Period</li> <li>- 4:55 (7:55) Wrap up</li> <li>- 5:30 (8:30) Meeting concludes for the day</li> </ul>		<ul style="list-style-type: none"> <li>- 1:15PM (4:15PM) PORTS Assessment</li> <li>- 1:30 (4:30) HSRP Working Group discussions / recommendation letter</li> <li>- 3:30 (6:30) Wrap up / Round robin</li> <li>- 4:15 (7:15) Closing comments</li> <li>- 4:30 (7:30) Meeting concludes for the day</li> </ul>

Dress code: The UOD is service dress blues for the virtual HSRP.

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## Tuesday, March 5 – Day One

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### HSRP PUBLIC MEETING DAY 1 CONVENES

*\*All times are Pacific Standard Time (PST), Eastern Standard Times in parentheses.*

**9:00 – 10:00AM (12:00-1:00PM)      Opening and Welcome**

- **Mr. Sean M. Duffy, Sr.**, Chair, National Oceanic and Atmospheric Administration (NOAA) Hydrographic Services Review Panel (HSRP) Federal Advisory Committee
- **Rep. Nanette Barragán**, U.S. representative for California's 44th congressional district **(video)**
- **Ms. Nicole LeBoeuf**, Assistant Administrator for Ocean Services and Coastal Zone Management, National Ocean Service (NOS), NOAA
- **Ms. Rachael Dempsey**, Deputy Assistant Administrator for Navigation Observation and Positioning, NOS, NOAA
- **Rear Admiral Benjamin Evans**, Director, Office of Coast Survey (OCS), NOS, NOAA, and HSRP Designated Federal Officer (DFO)

**10:00 – 10:15AM (1:00-1:15PM)      Break**

**10:15 – 12:00PM (1:15-3:00PM)      Local, Regional, State Stakeholder and Partner Perspectives: Opportunities and Challenges for NOAA's Navigation, Observations and Positioning Programs**

**MODERATORS:** **Ms. Rachael Dempsey**, Deputy Assistant Administrator for Navigation Observation and Positioning, NOS, NOAA and **Mr. Sean M. Duffy, Sr.**

- **Mr. Derek Davis**, Deputy Chief Harbor Engineer, Port of Long Beach  
*"Long Beach Deep Draft Navigation Improvements Project."* Collaboration between the United States Army Corps of Engineers and the Port of Long Beach to construct navigation improvements that will reduce constraints and increase transportation efficiencies.
- **Capt. Ryan Manning**, Commander, CG Sector LA/LB  
*"U.S. Coast Guard Operations, Partnerships and Waterways Challenges & Opportunities in Southern California."*
- **Capt. John M. Betz**, Chief Port Pilot, Los Angeles Pilot Service  
*"Navigation Safety in the Port of Los Angeles."* Our success depends on skilled stakeholders using real-time environmental information and chart products provided by NOAA.
- **Mr. Jim Haussener**, Executive Director, California Marine Affairs and Navigation Conference (CMANC)
- **Capt. Kip Louttit**, Executive Director, Marine Exchange of Southern California  
*"Safe, Secure, Efficient, Reliable & Environmentally Sound Maritime Transportation"*

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**12:00 – 1:15PM (3:00-4:15PM)      Lunch Break (HSRP Working Lunch)**

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**1:15 – 3:00PM (4:15-6:00PM)      Under Keel Clearance**

**Moderator and Introduction:** **Julie Thomas**, HSRP Member and **Capt. Kip Louttit**, Marine Exchange

- **Capt. Tom Jacobsen**, President and CEO, Jacobsen Pilots  
*"Go/No Go Solutions"*
- **Mr. Jeff Ferguson**, California Navigation Manager, Office of Coast Survey, NOS, NOAA  
*"NOAA's Role Supporting Port of Long Beach UnderKeel Clearance Project"*
- **Mr. Ryan Kittell**, Oxnard Weather Forecast Office, NWS, NOAA  
*"Winds and WaveWatch3 Wave Forecast Model"*
- **Dr. James Behrens**, Coastal Data Information Program, Program Manager  
*"Wave Observation and short term (1 hour) nowcast and localized channel entrance nowcast"*
- **Mr. Karsten Uil**, Managing Director, CHARTA Software  
*"Data assimilation, ship motion, pilot notification"*
- **Discussion**

**3:00 – 3:15PM (6:00-6:15PM) Break**

**3:15 – 3:30PM (6:15-6:30PM) Update on Precision Marine Navigation**

- **Mr. Darren Wright**, Precision Marine Navigation Coordination, OCS, NOS, NOAA

**3:30 – 4:45PM (6:30-7:45PM) Opportunities and Challenges for the NOS's Navigation Observations and Positioning Portfolio**

*National Ocean Service's Office Directors describe recent activities within their offices such as the update to the National Spatial Reference System (NSRS), datums, Bipartisan Infrastructure Law projects, surveying, charting, uncrewed systems, remote sensing and lidar, photogrammetry, positioning, sea level rise and water levels in support of "seamless data."*

**MODERATOR: Introduction by Ms. Rachael Dempsey**, Deputy Assistant Administrator for Navigation Observation and Positioning, NOS, NOAA

- **Dr. Marian Westley**, Director, Center for Operational Oceanographic Products and Services (CO-OPS)

*"CO-OPS Program Updates and Outlook." A review of recent accomplishments and FY24 look ahead*

- **Rear Admiral Benjamin Evans**, Director, OCS and HSRP DFO

*"OCS Strategic Planning, Updates and Outlook." Coast Survey's vision and initiatives for developing data based products and services*

- **Mr. Brad Kearse**, Deputy Director, National Geodetic Survey (NGS)

*"NGS Program Updates and Outlook." A review of recent NGS accomplishments and a look at what lies ahead*

- **Dr. Larry Mayer**, Co-Director, Center for Coastal and Ocean Mapping/NOAA-University of New Hampshire Joint Hydrographic Center (CCOM/JHC)

*"Thoughts on the Efficiency of Uncrewed Surface Vessels." An overview of recent progress on select research tasks and a preview of 2024 research priorities for CCOM/JHC*

**4:45 – 4:55PM (7:45-7:55PM) Public comment period – comments directed to the HSRP members**

**4:55 – 5:30PM (7:55-8:30PM) Wrap up**

- **Mr. Sean M. Duffy, Sr.**, HSRP chair and **RDML Benjamin Evans**, OCS, NOS, NOAA and HSRP DFO

**HSRP PUBLIC MEETING DAY 1 ADJOURNS**

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## Wednesday, March 6 – Day Two

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### HSRP PUBLIC MEETING DAY 2 CONVENES

*\*All times are Pacific Standard Time (PST), Eastern Standard Times in parentheses.*

**8:30 – 9:30AM (11:30-12:30PM) Recap and discussion of Day 1 and round robin with all members**

- **Mr. Sean M. Duffy, Sr.**, HSRP chair and **RDML Benjamin Evans**, OCS, NOS, NOAA and HSRP DFO

**9:30 – 10:45AM (12:30-1:45PM) Adaptive and Resilient Ports: Managing climate change impacts to port infrastructure and operations**

**Moderator: Mr. Nathan Wardwell**, HSRP Vice Chair

- Introduction by **Ms. Nicole LeBoeuf**, NOS Assistant Administrator
- **Mr. Justin Luedy**, Senior Environmental Specialist  
*“Climate Change Adaptation and Resiliency Planning at the Port of Long Beach”*
- **Ms. Rosemarie Fusco**, University of Rhode Island, Marine Affairs Department
- **Discussion**

**10:45 – 11:00AM (1:45-2:00PM) Public comment period** – comments directed to the HSRP members

**11:00 – 11:15AM (2:00-2:15PM) Break**

**11:15 – 12:00PM (2:15-3:00PM) HSRP working group discussions** – priorities, issue papers, comments

- **HSRP Planning and Engagement working group (P&E WG) discussion**, **Mr. Eric Peace** and **Ms. Mary Paige Abbott**, HSRP discussion and comments on topics such as the HSRP issue papers and other topics
- **HSRP Technology working group discussion**, **Dr. Qassim Abdullah**, **Capt. Anuj Chopra**, **Ms. Deanne Hargrave**, HSRP Members, Digital Twin and other issue paper discussion

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**HSRP DAY 2 and PUBLIC MEETING CONCLUDES**

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## Thursday, March 7 – Day Three

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### HSRP PUBLIC MEETING DAY 3 CONVENES

*\*All times are Pacific Standard Time (PST), Eastern Standard Times in parentheses.*

**8:30 – 9:30AM (11:30-12:30PM) Public meeting reconvenes and Day 2 recap: Ms. Sean M. Duffy, Sr., HSRP chair and RDML Benjamin Evans, OCS, NOS, NOAA and HSRP DFO**

**9:30 – 10:30AM (12:30-1:30PM) NGS Geospatial Modeling Grants**

*Recipients of the NGS Geospatial Modeling grants from SCRIPPS and Oregon State University will provide an overview of their plans and how they will assist NGS with NSRS Modernization and addressing the geodesy crisis.*

**Moderator and Introduction: Mr. Brad Kearse, Deputy Director, NGS, NOS, NOAA**

- **Dr. Yehuda Bock**, Lead, California Spatial Reference Center, SCRIPPS  
*"New Geodesy Track at UCSD/SIO Geophysics: Contributions to the NSRS."*
- **Dr. Chris Parrish**, Lead, Oregon State University  
*"Geospatial Center for the Arctic and Pacific (GCAP): Progress on NGS Geospatial Modeling Grant." An overview of the goals of GCAP's work on our NGS Geospatial Modeling Grant projects and progress to date.*
- **Discussion**

**10:30 – 10:45AM (1:30-1:45PM) Public comment period** – comments directed to the HSRP members

**10:45 – 11:00AM (1:45-2:00PM) Break**

**11:00 – 12:00PM (2:00-3:00PM) Regional expert updates - California Perspectives on National Drivers, Moderator and Introduction: Ms. Julie Thomas**

- **Dr. Clarissa Anderson**, Executive Director, Southern California Coastal Ocean Observing System (SCCOOS)
- **Dr. Douglas George**, NERRS Science Collaborative & Blue Carbon, OCM, NOS, NOAA,
- **Mr. Jeremy Potter**, Environmental Studies Chief, BOEM, *"EXPRESS: The current status and humble beginnings of a mapping and characterization campaign to inform interagency resource management needs."*

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**12:00 – 1:15PM (3:00-4:15PM) Lunch Break (HSRP Working Lunch)**

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**1:15 – 1:30PM (4:15-4:30PM) NOAA PORTS Assessment Findings**

- **Mr. Chris Diveglio**, PORTS Manager, CO-OPS, NOS, NOAA  
*"Overview of the External Assessment of the Scope and Governance Framework of the NOAA Physical Oceanographic Real Time System (PORTS®) Program"*

**1:30 – 2:30PM (4:30-5:30PM) HSRP Working Group, recommendation letter and other discussions - continued**

- **Planning and Engagement**, Ms. Mary Paige Abbott and Mr. Eric Peace, working group chairs

- Priorities Matrix, recommendations, ongoing interests, issue papers, future meetings and topics
- **Technology Working Group**, Dr. Qassim Abdullah, Capt. Anuj Chopra, Ms. Deanne Hargrave, working group chairs
- **Discussion**, Mr. Sean M. Duffy, Sr., HSRP chair and Mr. Nathan Wardwell, HSRP vice-chair

**2:30 – 2:45PM** (5:30-5:45PM)

**Break**

**2:45 – 3:30PM** (5:45-6:30PM)  
**discussions - continued**

**HSRP Working Group, recommendation letter and other**

**3:30 – 4:15PM** (6:30-7:15PM)  
**HSRP members**

**Recommendation letter, wrap up and around the room with the**

- **Mr. Sean M. Duffy, Sr.**, HSRP chair and **RDML Benjamin Evans**, OCS, NOS, NOAA and HSRP DFO

**4:15 – 4:30PM** (7:15-7:30PM)

**Closing comments, Mr. Sean M. Duffy, Sr.**, HSRP chair and **RDML Benjamin Evans**, OCS, NOS, NOAA and HSRP DFO

**HSRP DAY 3 and PUBLIC MEETING CONCLUDES**

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