

# Hampton Seabrook Estuary Collaborative: Working Webinars

## Summary: Digging In

Thursday, March 4, 2:00 to 3:30, PM, 2021

[Register here for 3/18 \(1:00 to 2:30 pm\)](#)

### 2/11: Getting on the Same Page

- Welcome & Introductions
- Overview of HSE system
- Why focus on salt marshes?
- Management goals for marshes
- Related research questions
- Related science & Monitoring
- Discussion of gaps

### 3/4: Digging In

- Welcome, housekeeping
- Lightening presentations on work related to gaps
- Generating ideas to address the gaps

### 3/18: Collaborating on Solutions

- Idea presentations
- Idea refinement (breakouts & report out to big group)
- Recruitment: who wants to work together to advance what ideas?
- Wrap up
- Exit survey

## Series Overview

[Digging In recording available here: presentations & coffee chat](#)

Digging In Presentations & Powerpoints		
Presenter	Presentation	Time Stamp
Trevor Mattera	<a href="#">Where We Are and How We Got Here</a>	05:15-12:52
Chris Peter	<a href="#">Salt Marsh Monitoring</a>	13:15-20:36
Logan Maxwell	<a href="#">Focus on Saltmarsh Sparrow</a>	21:25-31:05
Thomas C. Lippmann	<a href="#">Water Levels &amp; Sediments at The Hampton Seabrook Estuary</a>	31:23-42:00
Gregg E. Moore	<a href="#">Present and Future Strategies for Salt Marsh Resilience in the Hampton-Seabrook Estuary</a>	42:24-50:57

## Breakout summaries

- [Breakout 1](#)

- [Breakout 2](#)

## Chat Highlights

### Questions for Presenters

- Can you let everyone know a bit about the potential for increasing currents in the estuary and sea levels rise?
- Does Hampton-Seabrook have any ditch plugs that were installed?
- Can you elaborate on the sensor networks that are being developed? What are the sensors detecting/measuring?
- Is there enough localized data (e.g., water levels, sediment transport, preferential habitat availability) to identify different marsh management units and potentially design phased/sequenced management actions?
- What's the minimum amount of material you would be willing to place in cubic yards? What's the usual means of delivery?

### Gaps and Needs Discussed in Chat

- Fish monitoring is a great fit with citizen/community science approaches - there's great potential for collaboration here.
- Interesting to initiate monitoring at both Great Bay and HSE
- In many instances, tidal restrictions are likely providing a temporary refugia due to the decreased tidal amplitude upstream of the restriction.
- Our models indicate that current magnitudes will increase under SLR and storm surge scenarios, particularly in the narrow inlet. Implications include increased erosion, changes to the sediment deposition patterns, and increases to forces on structures.
- There are extensive historic alterations in HSE that are drivers for marsh degradation. These same alterations provide opportunities for restoration - or at a minimum to strengthen the marsh platform prior to other restoration techniques.
- The current plan for the Hampton Harbor bridge is to put in a fixed structure, with occasional dredging, as well as sea level rise in mind in the designing of it.

### Additional Resources

- The National Coastal Resilience Fund (NFWF-NOAA) just released their RFP for pre-proposals for projects that make investments in planning, design, and restoration of natural and nature-based solutions to help protect coastal communities from the impacts of storms, floods, and other natural hazards and enable them to recover more quickly and enhance habitats for fish and wildlife. Hampton received an award for ditch remediation project last year. Could be an opportunity to fund collaborative work in HSE based on these discussions. Check out the RFP at this link: <https://www.nfwf.org/programs/national-coastal-resilience-fund/national-coastal-resilience-fund-2021-request-proposals>
- Neil Ganju (USGS) has been doing some work using UVVR to determine "tide sheds", which Susan Adamowicz et al. is also using to help guide management areas

- NOAA/NFWF RFP FY2021 National Coastal Resilience Fund:  
<https://www.nfwf.org/sites/default/files/2021-03/2021-NCRF-RFP.pdf>
- HSE Collaborative Webinar: Collaborating on Solutions:  
[https://us02web.zoom.us/meeting/register/tZEtcemprzMuGNz\\_VFB3YXQ6Q0T0FTcerHzo](https://us02web.zoom.us/j/91989123456)
- run-nel /'rənəl / noun: A narrow channel in the ground for liquid to flow through. Wenley Ferguson at Save The Bay/ RI has spearheaded use of runnels. Purpose is to fix marsh surface hydrology and NOT to drain below the root zone.