

## **APNEP Science & Technology Report: May 2023**

The following are highlighted events involving APNEP staff from mid-February (since the last STAC meeting) with an emphasis on science and technology, followed by expected events prior to the Summer 2023 STAC meeting. STAC members associated with an event are in parentheses.

- February 24: NC Nutrient Criteria Development Plan (NCDP) Scientific Advisory Council virtual meeting (Kenworthy, Pearl,)
- March 3: DEQ wetland mapping needs virtual meeting (Field)
- March 6: Sea & Shoreline (consulting firm) SAV interests (Kenworthy)
- March 13: Citizen Advisory Committee (CAC) kickoff meeting
- March 16: Leadership Council virtual meeting (Angermeier, Kenworthy)
- March 16: SAV Resilience Study Stakeholder virtual meeting
- March 21: AECOM/DEQ Model Inventory Overview for Blueprint Flood Resiliency Project
- March 22-23: Association of National Estuary Programs (ANEP) hybrid meeting
- March 23: USGS NAS Database Enhancement virtual meeting
- March 27: SAV impacts on fish habitat discussion with team representatives of a NC Collaboratory project evaluating the 1997 Fisheries Reform Act, virtual meeting (Field)
- March 28: SAV high-salinity survey planning virtual meeting (Kenworthy, Field)
- March 31: NC Nutrient Criteria Development Plan (NCDP) Scientific Advisory Council virtual meeting (Kenworthy, Pearl,)
- April 3: Steve Anderson joined APNEP staff as Partnership Coordinator
- April 19: Leadership Council virtual meeting (Angermeier, Kenworthy)
- April 19-20: Mid-Atlantic Panel on Aquatic Invasive Species (MAPAIS) spring meeting
- April 25: STAC Executive Board virtual meeting (Angermeier, Kenworthy, Deck, Glenn)
- April 25-26: Gulf and South-Atlantic Regional Panel (GSARP) on AIS spring meeting
- April 27: Past SAV surveys in Currituck Sound to support local planning virtual meeting
- April 27: Shellfish mariculture lease siting and SAV interactions meeting
- May 4: APES shoreline change analysis, USACE scoping virtual meeting
- May 10: SAV high-salinity Tier 2 survey planning virtual meeting (Kenworthy, Field)
- May 12: SAV high-salinity Tier 1 (plane-based) survey in Pamlico South subregion

### **Upcoming**

- May 19: APNEP program evaluation (2017-2022), preliminary findings from EPA
- May 22: Leadership Council virtual meeting (Angermeier, Kenworthy)
- May 23-June 16: SAV high-salinity Tier 2 (boat-based) survey in Pamlico South subregion
- July 12: Leadership Council meeting (Angermeier, Kenworthy)

## STAC Member Reports

**Currin:** Two new items to mention:

- Delivery of the SASMI 'Regional Plan for the Future of the South Atlantic Coast's Million-Acre Salt Marsh Ecosystem'  
<https://marshforward.org/media/n1gbu4hg/sasmi-marsh-forward-executive-summary-final-2023.pdf>
- Research paper accepted for publication in Frontiers in Marine Science  
Quantifying the Benefits of Wetland Restoration Under Projected Sea Level Rise. Ramilkhalili, Davis, Currin, Heppe, Cohen  
Uses the SLAMM to model impact of SLR on existing fringing marsh system and a potential restored marsh adjacent to Beaufort NC airport.