

STAC DEC 2021 Quarterly Meeting Agenda:

9:00 am Call to Order, STAC Business, Announcements—*Kathy Boomer (STAC Chair – FFAR)*

9:30 am Guest Presentations:

- **Introduction to New R3 Administrator, Adam Ortiz**—*Adam Ortiz (EPA)*
- **STAC Workshop Report-Out: Overcoming the Hurdle (FY20)**—*Loretta Collins (UMCES)*
- **Tributary Summaries: Current state of the science on connecting change in aquatic conditions to its drivers**—*Breck Sullivan (USGS, STAR)*

11:00 pm – Ongoing Conversations:

- **Comprehensive Evaluation of System Response (CESR)** —*Denice Wardrop (CRC), Kurt Stephenson (VT)*

12:00 pm – Lunch

1:00 pm – Ongoing Conversations (continued):

- **Conowingo Next Steps** —*Kathy Boomer (FFAR), Andy Miller (UMBC), Larry Sanford (UMCES)*

1:45 pm Break

2:00 pm Reflections and Plans for STAC 2022-2024 —*Kathy Boomer, All*

4:00 pm Wrap-up

4:15 pm Adjourn

Welcome New STAC Members:



Leon Tillman
USDA-NRCS, MD
Chesapeake Bay
Coordinator
Federal Appointee



Brandon Jones
National Science
Foundation
Federal Appointee



Shirley Clark
PSU, Harrisburg
PA Gub Appointee



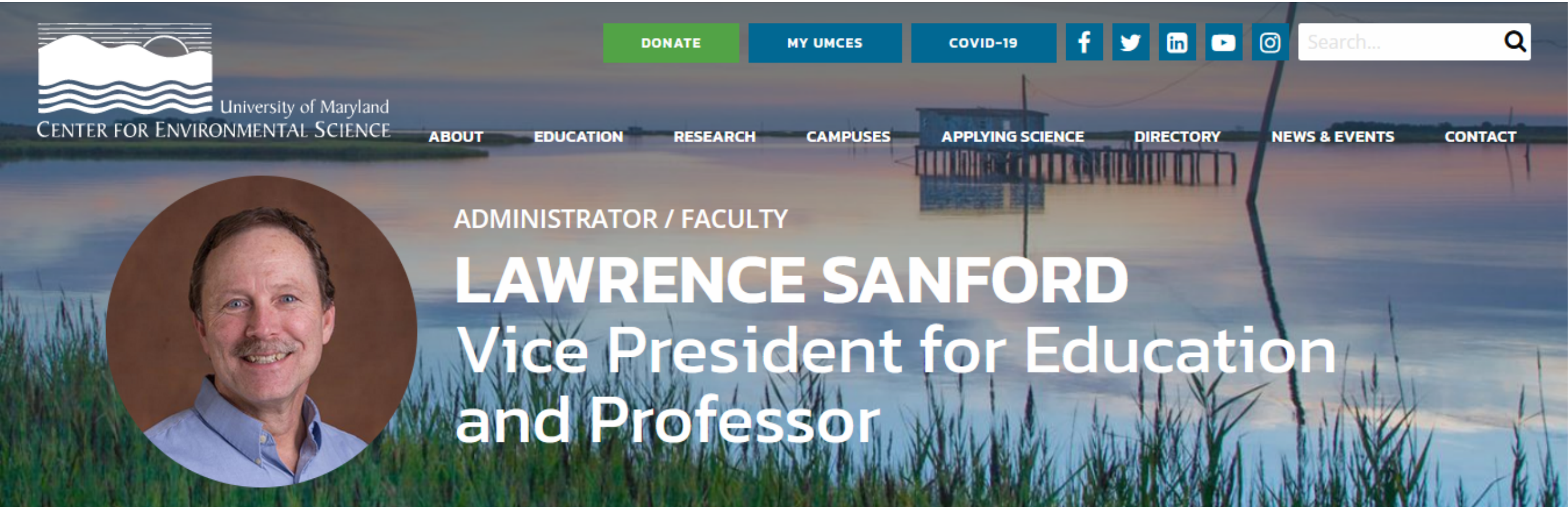
Erin G. Letavic
M. Eng., P.E.
Herbert, Rowland
& Grubic, Inc.
PA Gub Appointee



Benjamin Hayes
Bucknell
University
PA Gub Alternate

Thank you!

STAC Vice Chair:

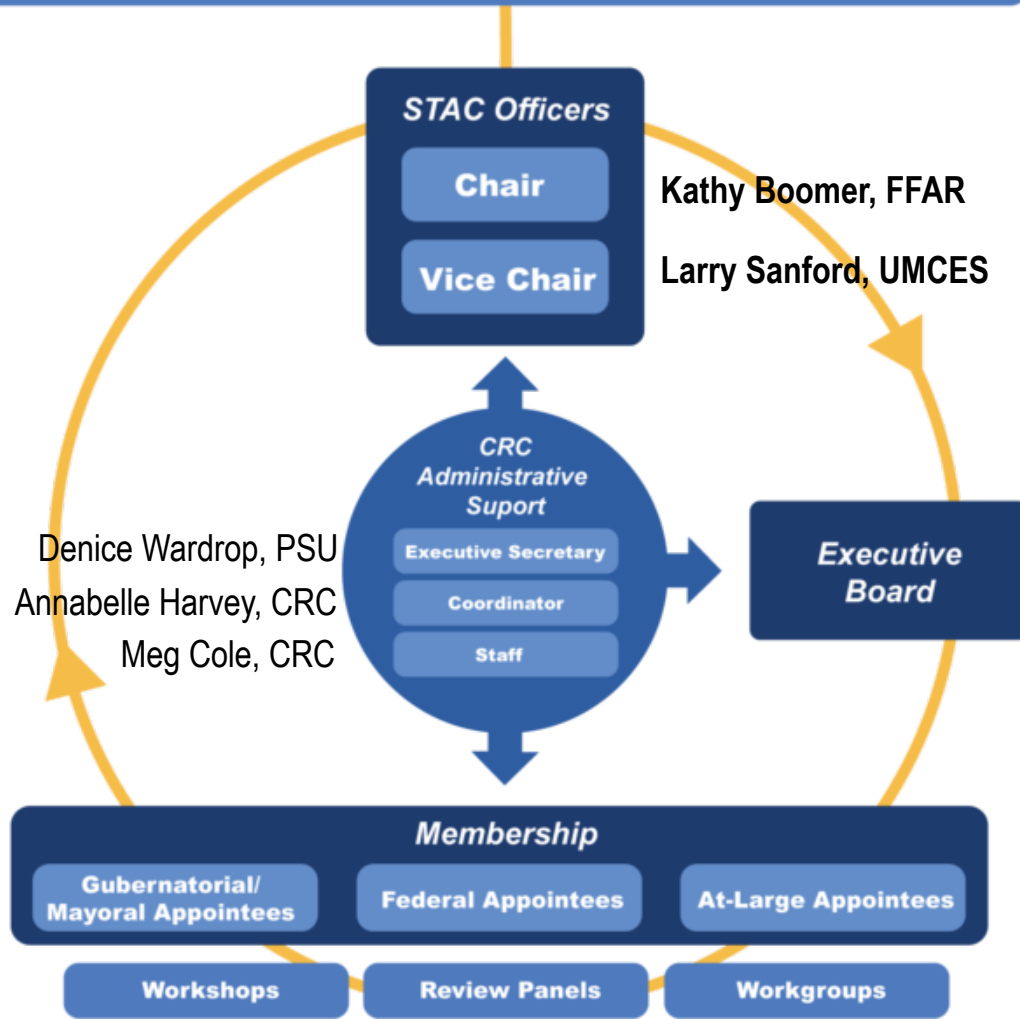


The image shows a screenshot of the University of Maryland Center for Environmental Science website. The background is a scenic view of a wetland with tall grasses in the foreground and a body of water with a wooden pier extending into it. The website header includes the logo on the left, which consists of a stylized sun and waves above the text "University of Maryland CENTER FOR ENVIRONMENTAL SCIENCE". To the right of the logo is a navigation bar with buttons for "DONATE" (green), "MY UMCES" (blue), "COVID-19" (blue), and social media icons for Facebook, Twitter, LinkedIn, YouTube, and Instagram. A search bar is located on the far right of the header. Below the navigation bar is a secondary menu with links for "ABOUT", "EDUCATION", "RESEARCH", "CAMPUSES", "APPLYING SCIENCE", "DIRECTORY", "NEWS & EVENTS", and "CONTACT". The main content area features a circular portrait of Lawrence Sanford on the left. To the right of the portrait, the text reads "ADMINISTRATOR / FACULTY" in a smaller font, followed by "LAWRENCE SANFORD" in a large, bold, white font, and "Vice President for Education and Professor" in a slightly smaller white font below it.

Thank you!

Who We Are

Chesapeake Bay Program



STAC Officers

Chair

Kathy Boomer, FFAR

Vice Chair

Larry Sanford, UMCES

CRC Administrative Support

Executive Secretary

Denice Wardrop, PSU
Annabelle Harvey, CRC
Meg Cole, CRC

Coordinator

Staff

Executive Board

Membership

**Gubernatorial/
Mayoral Appointees**

Federal Appointees

At-Large Appointees

Workshops

Review Panels

Workgroups

Gubernatorial/Mayoral Appointees (11):

Hamid Karimi, DDOE
Chancee Lundy, Nspiregreen, LLC.
Craig Beyrouthy, UMD
Bill Dennison, UMCES
Shirley Clark, PSU
Benjamin Hayes, Bucknell
Erin Letavic, HRG
Kirk Havens, VIMS
Ellen Gilinsky, Ellen Gilinsky, LLC
Jason Hubbart, WVU
Weixing Zhu, SUNY
Chris Brosch, DDA

Federal Appointees (6)

Tom Johnson, EPA
Anthony Buda, USDA-ARS
Greg Noe, USGS
Michael Runge, USGS
Brandon Jones, NSF
Leon Tillman, USDA-NRCS

At-Large Appointees (21)

Lee Blaney, UMBC
Kenneth Rose, UMCES
Zachary Easton, VT
Eric Smith, VT
Deidre Gibson, Hampton Univ
Leah Palm-Forster, UD
Leonard Shabman, Resources for the Future
Jay Stauffer, PSU
Jeremy Testa, UMCES-CBL
Tess Thompson, VT
Lara Fowler, PSU
Andy Miller, UMBC
Kathy Boomer, FFAR
Larry Sanford, UMCES
(7 vacancies)

EB Members (6):

Ellen Gilinsky, Ellen Gilinsky, LLC
Jason Hubbart, WVU
Chancee Lundy, Nspiregreen, LLC.
Lara Fowler, PSU
Andy Miller, UMBC
Mark Monaco, NOAA
Mike Runge, USGS

Thank you!



Chesapeake Bay Program's (CBP)
Scientific and Technical Advisory Committee (STAC)
Quarterly Meeting – September 13-14, 2021
Virtual

Monday, September 13th

[RSVP to Zoom Meeting](#)

Meeting ID: 838 5090 4569

Dial-in:

****Exact Times Are Subject to Change****

September 2021 Meeting: Recap and Minutes Approval Request

- 9:30 am** **Call to Order, Announcements—*Andy Miller (STAC Chair – UMBC)***
- Introductions: Attendance will be counted via the Zoom Participant List, so please ensure your name is correct when you log-on!
 - Approval Requests:
 - June 2021 Quarterly Meeting Minutes
 - August 2021 Executive Board Call Minutes
 - Nominee for STAC Vice Chair: Larry Sanford
 - Approval Request: Proposed 2022 quarterly meeting dates
 - March 8-9
 - June 14-15 (virtual)
 - September 13-14
 - December 6-7 (virtual)
 - Please let us know of any major conflicts: holidays, conferences, etc
 - Member Announcements and Updates
- 9:45 am** **Recap of STAC June 2021 Quarterly Meeting—*Andy Miller (UMBC)***
Miller will highlight important takeaways from the June 2021 meeting and provide an overview of today's meeting.
- 10:00 am** **Update on PSC's Requested Improvements to the CBP Monitoring Networks—STAR**
The STAR team will update STAC on the PSC request to improve the CBP monitoring networks and discuss ways to align it with the CESR project's effort on monitoring needs.
- 11:00 am** **STAC Membership Process Update—*Annabelle Harvey (CRC)***
Harvey will present the final announcement of membership vacancies, online nomination form, and membership process.
- 11:30 am** **CRC Environmental Management Staffer Spotlight**
—*Hilary Swartwood (CRC) Water Quality Goal Implementation Team Staffer*
CRC's Environmental Management Career Development Program provides early career professionals with a stepping stone to a future career in the fields of environmental science, policy and management, and outreach and education. The Staffers presenting today will provide an update on current team activities within the CBP partnership as well as their own work and future plans.
- 12:00 pm** **Lunch Break**

November 16th EB Meeting: Recap and Minutes Approval Request

Proposed EB Agenda for Tuesday, November 16th, 1 to 2 pm
(proposed discussion leader, time allotted):

- I. Welcome
- I. Introduce STAC Update Mtg team roles, responsibilities, and liaison members in relation to EB roles and responsibilities (Kathy - 10 minutes)
- II. STAC Letter to the CBP Executive Committee (Kathy - 10 minutes; see attached revision based on today's STAC update discussion)
- III. STAC December Quarterly Meeting Agenda
 - 2022 Meeting Dates
 - Agenda Overview (Kathy, 10 minutes; see draft below)
 - CESR conclusions report out and summary of final steps (Denise, 10 minutes)
 - STAC reflections and next steps (Kathy, 10 minutes; see attached)
- IV. New member nominations (Annabelle/Meg; 20 minutes)
 - Finalize plans for addressing this topic at quarterly meeting.

2022 Approved STAC Quarterly Meeting Dates:

- March 8-9 (virtual)*
- June 14-15
- September 13-14 (virtual)
- December 6-7

* tentative, with June meeting as alternate



Chesapeake Bay Program
Science. Restoration. Partnership.

Discover the Chesapeake

Learn the Issues

State of the Chesapeake

Take Action

In the News

WHO WE ARE

December 2021 Executive Council Meeting



The Chesapeake Executive Council will meet in Richmond, Virginia on Wednesday, December 15, 2021.

The public meeting will be held from 12:30 - 1:30 p.m. in the East Reading Room at the Patrick Henry Building. All are welcome to attend, but please be advised that everyone must wear a mask the entire time.

Details:

12:30 p.m. -- 1:30 p.m. : Public Meeting and Press Conference

To attend the meeting virtually, please register at https://us02web.zoom.us/webinar/register/WN_p6s5M4aOSXmQluzT6ZCNaA

Attendees:

- The Honorable Ralph Northam, Governor, Commonwealth of Virginia (Executive Council Chair)
- The Honorable David Bulova, Chairman, Chesapeake Bay Commission
- The Honorable Shawn Garvin, Secretary, Delaware Department of Natural Resources and Environmental Control
- The Honorable Ben Grumbles, Secretary, Maryland Department of the Environment



Chesapeake Bay Program
SCIENTIFIC AND TECHNICAL ADVISORY COMMITTEE
645 Courtes Wharf Road, PO Box 28, Edgewater, MD 21037
Phone: (410)798-1283 | Fax: (410)798-0816
<http://www.chesapeake.org/stac/>

December 1, 2021

The Honorable Ralph Northam, Governor of Virginia, Chair
Chesapeake Bay Partnership Executive Council
Capitol Square
Richmond, VA 23219

Dear Governor Northam and Distinguished Members of the Executive Council:

The Chesapeake Bay Program (CBP) is globally recognized for its leadership in managing and restoring large aquatic ecosystems. The Scientific and Technical Advisory Committee (STAC) supports the CBP's commitment to advancing science-based decision-making by coordinating a range of collaborative efforts to guide established priorities and characterize emerging concerns. Our members from 23 institutions across the Bay watershed contributed more than 5,000 hours in 2020, valued at more than \$500,000.

A brief synthesis of project highlights from 2020-2021 exemplifies STAC's commitment to addressing critical information gaps relevant to national priorities and essential to advancing the CBP goals, including tackling climate change and conserving at least 30% of US lands and freshwaters. The STAC-sponsored workshop and its report, ["Linking Soil and Watershed Health to In-Field and Edge-of-Field Water Management,"](#) highlighted overlooked impacts from artificial drainage to water quality, habitat condition, flood and drought risks, and long-term agricultural sustainability in the face of climate change. A related report, ["Integrating Science and Developing Approaches to Inform Management for Contaminants of Concern in Agricultural and Urban Settings,"](#) emphasized a need to manage the fate and transport of chemicals of emerging concern, including PFAS ("forever chemicals"), personal care products, and PCB's. To tackle these challenges, the STAC workshop report, ["Increasing Effectiveness and Reducing the Cost of Nonpoint Source Best Management Practice \(BMP\) Implementation: Is Targeting the Answer?"](#) highlighted the importance of working with stakeholders to strategically locate conservation practices to maximize the targeted benefits, most cost-effectively. Importantly, these workshops have facilitated collaborations among a diversity of technical experts and stakeholders to strengthen science-based decision-making within the Bay states and beyond.

Results from [our FY2021](#) four workshops, six published workshop reports, a scientific review of the Bay Program's TMDL framework, and community engagement (see attached) lead us to provide the following recommendations and STAC commitments through FY2023:

- Support CBP Management to advance science-based decision-making by building capacity to assess and limit risks from known and emerging threats throughout the Bay watershed. Priority issues include 1) the need for measurable and sustained progress toward achieving CBP wetland and riparian buffer restoration targets essential not only to improving water quality but also providing vital habitat, mitigating flood and drought risks, and ensuring long-term agricultural and fisheries sustainability under changing climate conditions; and 2) an urgent need for focused effort and attention to the terrestrial-estuarine transition zone, where human impacts are concentrated and most directly influence the commercial, recreational, and aesthetic values identified by the CBP partnership.
- Identify opportunities to fully embrace the CBP's commitment to Diversity, Inclusion, Equity, and Justice (DEIJ) by engaging a diversity of stakeholders to understand barriers, concerns, and risk perceptions limiting active commitment to the CBP goals and engaging them more directly in resource and risk management.
- Align CBP priorities with national priorities to maximize natural infrastructure investments to enhance climate resiliency and other co-benefits through climate-smart agriculture and development in the Bay watershed.

Together, our commitment to these priorities will enhance Chesapeake Bay restoration efforts. With CBP's financial support, STAC can continue to build diverse collaborations, improve decision support to LCAG, CAG, the GITs, and STAR, and strengthen CBP's leadership. We look forward to supporting the CBP Partnership accordingly.

Sincerely,

Kathleen B. Boomer

Kathleen B. Boomer, Ph.D.
Chair, Chesapeake Bay Program's Scientific and Technical Advisory Committee
Science Program Director, Foundation for Food and Agriculture Research