



The Abstract Quarterly : May 2021

Chesapeake Bay Program's Scientific and Technical Advisory Committee (STAC)

STAC is bringing back our quarterly newsletter to keep partners and interested parties up to date on STAC efforts, STAC reports, and the latest science from around the watershed. This edition focuses on monitoring around the Bay, including a recently released STAC report on SAV satellite monitoring.

If you have any news, events, research, or stories you want included in STAC's next newsletter, please submit those to [Annabelle Harvey](#).

Visit the STAC Website

Save the Date: STAC June Quarterly Meeting

Join STAC virtually on June 15-16, 2021 for our June quarterly meeting. Meetings are open to the public, if you use the registration link below.

This meeting features updates on the STAC-sponsored Climate Synthesis project, the COVID-Impacts sessions, and the Comprehensive Evaluation of System Response effort (CESR).

Agenda and materials will be made available on our website.

STAC June Meeting Webpage

Register



New STAC Report: SAV Satellite Monitoring

Check out the final report on outcomes from the multi-session, 2019-2020 STAC workshop titled "[Exploring Satellite Image Integration for the Chesapeake Bay SAV Monitoring Program](#)".

COVID-Impacts to the Bay: Discussion Sessions

The impacts of COVID-19 have played out in many ways across the Chesapeake Bay and its watershed. To better understand these impacts, STAC has developed 3 “mini workshops” be 2 hours long, with short presentations to set the stage and provide available data, then a discussion with targeted questions. The local government/funding session is in collaboration with the CBP Local Governments Advisory Committee (LGAC) and the Local Leadership Workgroup. All three sessions are open for the public. Please use the links below for individual session materials and registration.

[Monday, May 24th, 11am-1pm: Local Gov/Funding](#)

[Monday, June 7th, 12-2pm: Fisheries](#)

[Monday, June 14th, 12-2pm: Nutrient Dynamics](#)

Approved FY 2021 STAC Workshops

with links to the proposals

[Improve the Understanding and Coordination of Science Activities for PFAS](#)

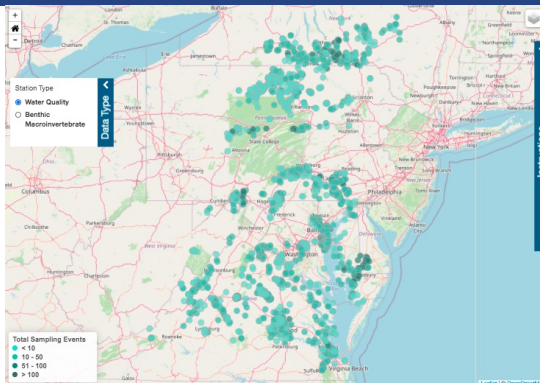
[Evaluating a Systems Approach to BMP Crediting](#)

[Improving modeling and mitigation strategies for poultry ammonia emissions](#)

[Rising Watershed and Bay Water Temperatures](#)

[Advancing Monitoring Approaches to Enhance Tidal Chesapeake Bay Habitat](#)

Trend Tracking: Monitoring in the Chesapeake

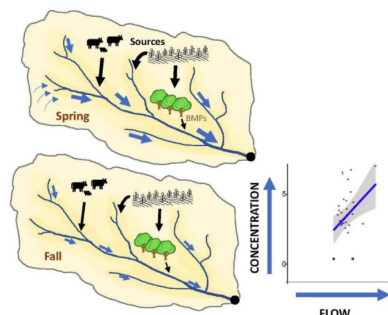
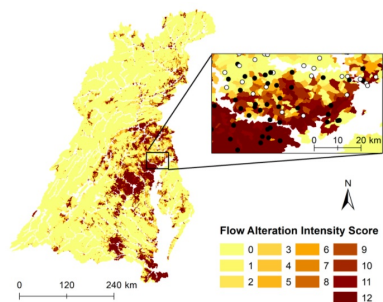


The [Chesapeake Bay Data Explorer](#) is an interactive tool for storing and sharing data collected by a network of water quality monitoring groups working with the [Chesapeake Monitoring Cooperative](#).

Learn more about the data hub in this recent [Chesapeake Bay Program article](#).

Volunteer-based monitoring programs are now connected to federal and state partners within a specialized data hub, the [Chesapeake Data Explorer](#). The framework has over 365,000 data points, including data from all seven Bay jurisdictions. Data can be downloaded and filtered for individual purpose.

[Liz Chudoba](#), Water Quality Monitoring Initiative Director, Alliance for the Chesapeake Bay, discussed this project at the [December 2020 CRC Roundtable](#) as it relates to community science.



Altered flow affects the biological health of streams in the Chesapeake Bay watershed

USGS, in partnership with the [Interstate Commission on the Potomac River Basin](#) (ICPRB), examined the role of altered flows on biological condition of small streams and found a range of altered flows. A flow-alteration intensity index was developed by the study (seen above).

Occurrence of toxic contaminant mixtures in surface water and groundwater in agricultural watersheds of the Chesapeake Bay

From a number of USGS toxic contaminant surveys across the Susquehanna and Potomac Rivers, potential co-benefits of best management practices to reduce agricultural run-off, nutrients, and sediments were found. Read more [here](#).

[How the "Blue Methane" Team Used COVID Restrictions To Get More Data Than Ever | SERC](#)

[Mid-Atlantic State of the Ecosystem report 2021 | NOAA](#)

[2021 Mid-Atlantic Regional Report | MARISA](#)

[NOAA Chesapeake Bay Office Biennial Report to Congress | NOAA](#)

Have you participated in citizen monitoring projects on the Chesapeake?

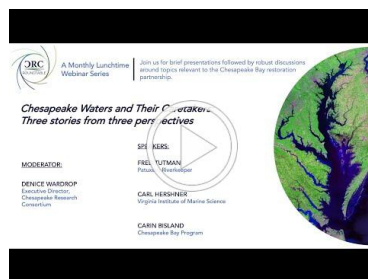
Yes

Select

No

Select

From Around the Watershed: News and Webinars



Chesapeake Research Consortium April Roundtable: Recording

[Chesapeake Waters and Their Caretakers: Three stories from three perspectives](#)



Annual Progress Report of the Chesapeake Bay Program

[Chesapeake Bay Program: 2019-2020 Bay Barometer](#)



[Understanding the Role Coastal Marshes Play in Protecting Communities](#)

Recorded March webinar from the [National Estuarine Research Reserve System \(NERRS\) Science Collaborative](#) on understanding the role coastal marshes play in protecting communities from storm surge and flooding. The project discussed closely examined one marsh complex along the Hudson River Estuary in New York.

Panelists discuss modeling methods used to simulate future marsh vegetation and storm impacts produced by a series of past and future storm scenarios. More information on this talk can be found [here](#).



MAEOE

**Maryland Association for Environmental &
Outdoor Education: DEIJA Symposium Series**

Wednesdays in April and May

Learn more about the virtual conference [here](#).

2021

Choose Clean Water
CONFERENCE

A Changing Chesapeake

11th Annual Choose Clean Water Conference

May 24-26

Register [here](#).