



The Abstract Quarterly: June 2023

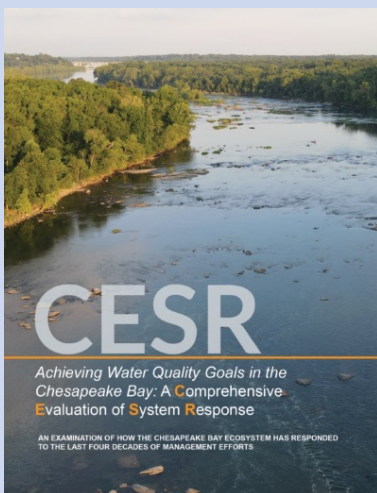
Chesapeake Bay Program's Scientific and Technical Advisory Committee (STAC)

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 the CESR report, FY22 Workshops, the Farm Bill, waterborne pathogens, membership self-nomination and the spotted lanternfly.

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

Visit the STAC Website

Have you heard about CESR?



After four years of hard work, the CESR report has been published!

Achieving Water Quality Goals in the Chesapeake Bay: A Comprehensive Evaluation of System Response (CESR) includes an evaluation of why progress toward meeting the TMDL and water quality standards has been slower than expected and offers options for how progress can be accelerated.

This STAC report and the three resource documents on watershed, estuary and living resources, as well as background and news coverage, can be found on the STAC site, linked in the photo to the left.

Spring 2023 STAC Workshops

This past season, STAC has been busy hosting five workshops over a total of eleven days! Check out the links below to learn more about what STAC has been talking about.

Using Local Monitoring

Using Ecosystem

Stream Restoration in

Results to Inform the
CBP's Watershed Model

Services in Multiple
CBP Outcomes (Day 1)

the Chesapeake:
Lessons Learned

BMPs to Minimize
Impacts of Solar Farms
on Water Quality

Carbon to Achieve
Water Quality Goals
and Climate Resiliency

Using Ecosystem
Services in Multiple
CBP Outcomes (Day 2)

The Farm Bill



The Farm Bill funds conservation & climate resilience programs

The federal Farm Bill funds programs to support farmers in conservation and climate, education and research, farmer training, business development and access to credit. But the Farm Bill isn't only for farmers -- it impacts everyone with support towards environmental stewardship, nutrition assistance and regional food systems. The current Farm Bill expires in September; now is the time to join farmers and communities to advocate for a Farm Bill that better supports everyone's needs!

Image and information from fundedbyfarmbill.org; visit to learn more and get involved.

CRC June Roundtable: Harvesting Restoration Opportunities from the Farm Bill

Wednesday, June 21st
12:00-1:00pm

Conversations about the next iteration of the Farm Bill are ongoing now. Join CRC for an overview of the farm bill, the impact it has had and can have on the restoration effort, and what the future may hold. Roundtable speakers will be Leon Tillman, Natural Resources Specialist with the USDA-ARS, and Anna Killius, Executive Director of the Chesapeake Bay Commission.

Register Here

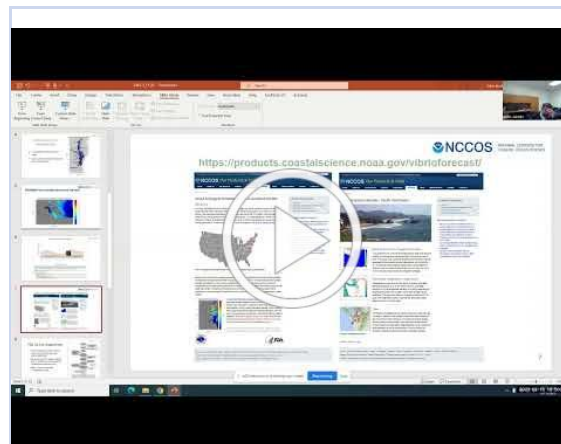
March Theme: Waterborne Human Pathogens

The theme from the STAC March 2023 Quarterly Meeting was Waterborne Human Pathogens and the Chesapeake Bay. Two panels of experts presented to STAC on the concerns of waterborne pathogens and the patterns of occurrence across the Bay.



Update on Waterborne Human Concerns and Incidence Rates

Panelists:



Patterns in Occurrence Across the Bay: Knowns and Unknowns

Panelists:

- Cliff Mitchell (*MD Dept. of Health*)
- Eric Schott (*Institute of Marine and Environmental Technology*)
- Pat Glibert (*UMCES*)

- John Jacobs (*NOAA*)
- Raleigh Hood (*UMCES*)
- Harry Wang (*VIMS*)
- Andrea Brookfield (*University of Waterloo*)

STAC Business

STAC Seeking Members

At-Large Member Self-Nomination Information

STAC is seeking nominees for the at-large member position. We are looking for individuals with a broad interest in the overall restoration effort and contributing to it in multiple ways. Specific expertise that the committee is looking to bolster include:

- Indigenous Traditional Ecological Knowledge
- Agriculture
- Social and Behavioral Science
- Estuarine - Living Resources
- Urban and Wastewater Treatment
- Contaminant Fate and Transport
- Systems Modeling / Data Science
- Climate Change
- Carbon Dynamics

More details can be found in the file above and the [submission form is online](#). The call for self-nominations will stay open until **August 9th, 2023**. Please share this information with any others who would be interested and could contribute to the needs of this committee. Any questions regarding Membership process or needs can be directed to [Meg Cole](#), STAC Coordinator.

Just Wrapping Up: June 2023 Quarterly Meeting

STAC met at the Potomac Science Center in Woodbridge, VA on June 13 and 14th for the June Quarterly Meeting. Beyond STAC business and updates, we visited Occoquan Bay National Wildlife Refuge and discussions on Day 2 focused on Advancing Living Resource and Habitat Management in the Chesapeake Bay's T-Zone.

We'll be updating our site with the shared presentations and video recordings in the coming weeks, so check back when you can!

[June Meeting Webpage](#)

Save the Date: Sept. 2023 Quarterly Meeting

Weren't able to attend the June Meeting? Register in advance for the September Meeting! STAC will be meeting at the Frederick Douglass-Isaac Myers Maritime Park in Baltimore, MD on September 12-13, 2023. The meeting theme will be reviewing STAC's work over the last two years and what STAC's role will be in the coming years.

STAC Meetings are open to the public and a virtual option will be available soon. Keep an eye on our site for updates and RSVP now!

[September Meeting Webpage](#)

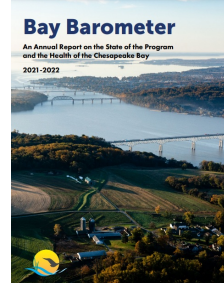
[RSVP Form](#)

Around the Watershed: News and Webinars



Chesapeake Research Consortium
May Roundtable: Recording

[CRC Member Take-Over Series: University of Maryland Center for Environmental Studies \(UMCES\)](#)

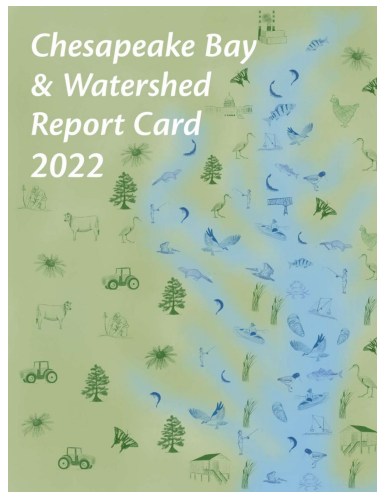


Annual Progress Report of the
Chesapeake Bay Program

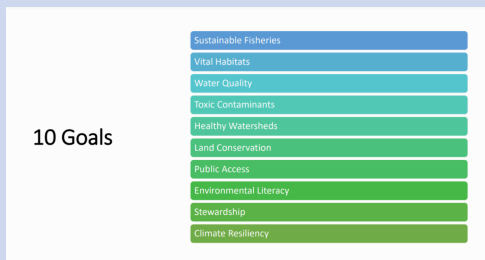
[Chesapeake Bay Program: 2021-2022 Bay Barometer](#)

Through ecological, economic and societal indicators, the Chesapeake Bay & Watershed Report Card 2022 by the University of Maryland Center for Environmental Science (UMCES) is a detailed assessment of the Bay and its watershed. Overall, the Bay scored 51%, showing an improving trend in northern tributaries, and the watershed scored 52%. This was also the first year that an Environmental Justice Index was evaluated, though not reflected in the overall watershed health score.

Learn more about the assessment indicators, read the three previous report cards and explore interactive graphs at [Eco Health Report Cards](#).



[Chesapeake Bay & Watershed Report Card 2022](#)



10 Goals

The Strategy Review System (SRS) Biennial Meeting convened on May 11th and 12th to fully **integrate learnings** into the charting of a course to 2025 and beyond 2025 for all outcomes so that the response to the Executive Council charge is **representative of the full spectrum partnership**.

[SRS Biennial Meeting Day 2 Key Takeaways](#)

Presentations and posters can be found on the [Chesapeake Bay Program site](#).



STAR Needs Tracking

Scientific, Technical Assessment and Reporting (STAR) June Meeting

Thursday, June 29, 10:00am - 12:00pm

Learn more about the meeting [here](#).



Chesapeake Studies Conference: Bringing Communities Together

September 15 - 16 at Salisbury University

Learn more and register [here](#).

Beat the Bug: Spotted Lanternfly



Egg Mass: Often looks like cracked mud



Early Nymph: Black with white spots

Late Nymph: Red with white spots and black stripes



Adult: Light brown front wings with black spots



Adult: Red back wings with black spots and black-and-white bands

The spotted lanternfly is an invasive insect that has spread into 14 states in just under a decade. This pest feeds on a variety of crops and trees, harming our farms and forests. While we can't eliminate the spotted lanternfly from infested areas, we can try to prevent populations from growing and spreading:

- **Check yourself and anything you're moving** from one place to another. The spotted lanternfly gets around by hitchhiking on people, pets, objects and vehicles.
- **Report sightings** to your state or the Spotted Lanternfly Project (links below). Make sure to snap a picture to verify tracking.
- **Kill all spotted lanternflies** that you can. Squishing specimens is most effective. You can also make a [spray for your plants](#) or capture them [in a water bottle](#) and freeze.

Learn more on the [USDA APHIS site](#).
Identification photos from [Lookalikes Guide](#).

Do you have a question for
STAC Members or Staff?
Introducing our new
column:

STAC Your Knowledge

Ask STAC Members anything and hear back from one or more STAC Members. Your question and STAC answers may even appear in future STAC newsletters!

Submit a question to a
STAC Member

**Report Spotted
Lanternflies**
throughout the
Bay watershed!

[Dist. of
Columbia](#)

[New York](#)

[Delaware
email](#)

[Pennsylvania](#)

[Maryland
email](#)

[Virginia](#)

[SLF Project
nation-wide](#)

[West Virginia](#)