

STAC Overview

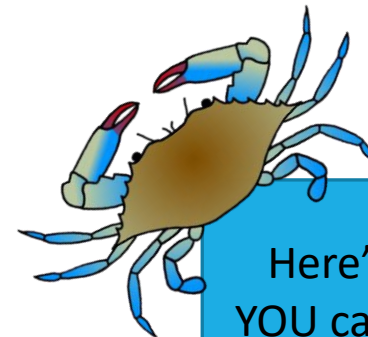


MEG COLE (STAC COORDINATOR, CRC)

JULY 20, 2023

Outline

- STAC – Who we Are
 - Where does STAC fit in to the Chesapeake Bay Program?
 - What are STAC's roles?
 - Proactive vs. Responsive
- STAC – What we Do
 - Quarterly Meetings
 - Workshops
 - Reviews
 - Brief overview of STAC's Budget
- Looking Ahead
 - Upcoming Activities
 - Opportunities for involvement



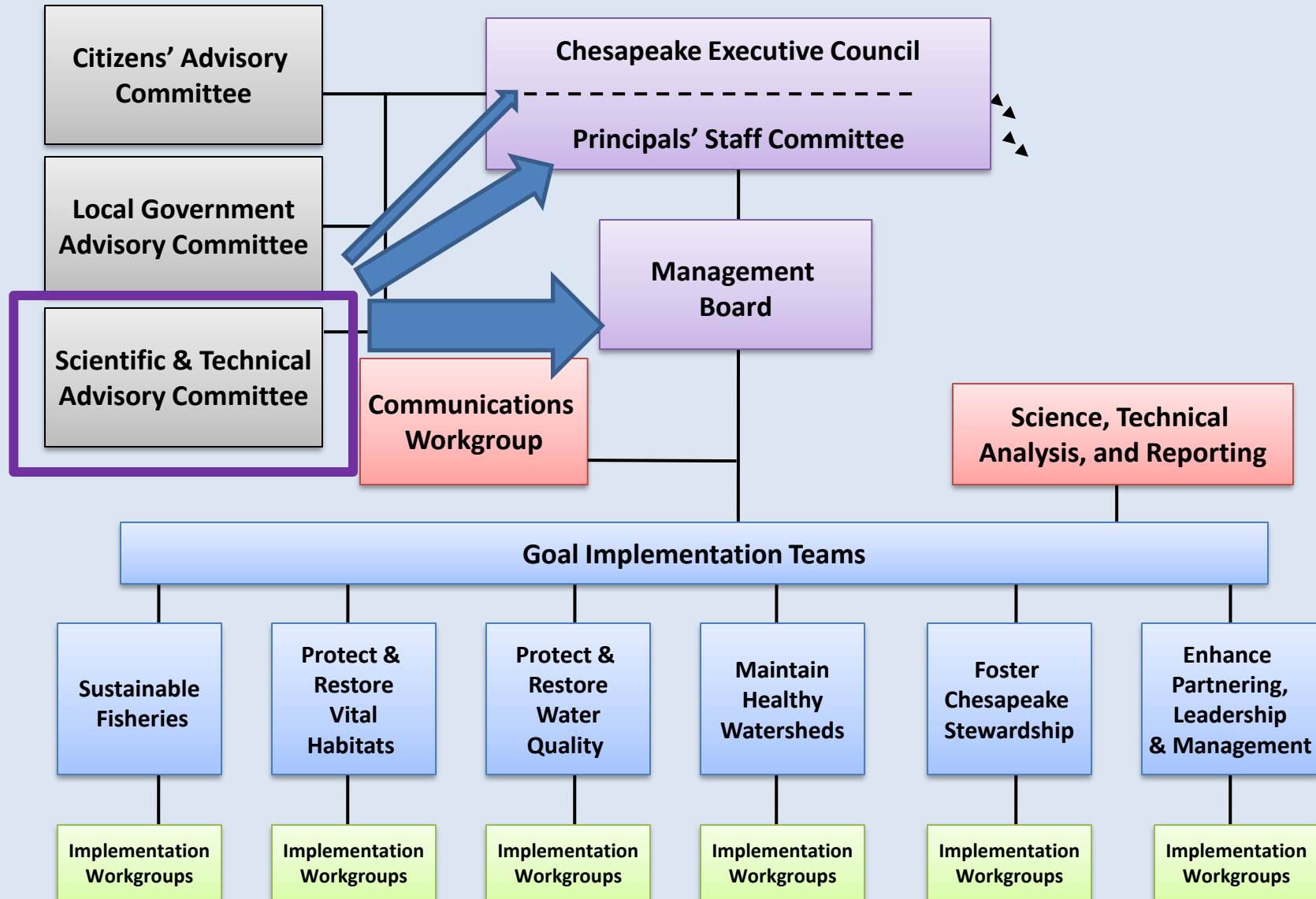
Here's where
YOU can plug in!

STAC - Who we Are

Mission Statement: The Scientific and Technical Advisory Committee (STAC) provides scientific and technical advice and guidance to the Chesapeake Bay Program (CBP) Partnership on measures to restore and protect the Chesapeake Bay and its watershed.

Long Version: Since its creation in December 1984, STAC has worked to enhance scientific communication and outreach throughout the Chesapeake Bay watershed and beyond. STAC provides independent scientific and technical advice in various ways, such as (1) technical reports and white papers, (2) conducting reviews of CBP products, (3) technical workshops, and (4) interaction between STAC members and the CBP. STAC serves as a liaison between the scientific community and the CBP. Through professional and academic contacts and organizational networks of its members, STAC ensures close cooperation among and between the various research institutions and management agencies represented in the Chesapeake Bay watershed

Chesapeake Bay Program Organizational Structure



CHESAPEAKE SCIENCE SUPPORT

GOAL IMPLEMENTATION TEAMS

FISHERIES

HABITAT

WATER
QUALITY

HEALTHY
WATERSHEDS

STEWARDSHIP

LEADERSHIP

S
T
A
C

Science Collaboration

- MONITORING
- DATA INTEGRITY
- STATUS AND TRENDS
- EXPLAIN AND PREDICT CHANGE
- MODELING
- CLIMATE CHANGE
- INFORMATION AND GIS SUPPORT
- SYNTHESIZE AND INFORM

CBP OFFICE

FEDERAL

STATE

LOCAL

ACADEMIC

NGO

Indicators: *A summary measure that provides information on the state of, or change in, the system that is being measured.*



L. Rubin et al. BEI Report

What is the role of a STAC member?

Provide expert opinion to the Chesapeake Bay Program (CBP) partners on any issue identified as important by the science community as well as management leadership. STAC acts to raise and review issues that members deem crucial to Chesapeake Bay restoration (**proactive**) or in providing scientific opinion when CBP partners solicit specific reviews or technical assistance (**responsive**).

- Connecting your network – Representing your own and your colleagues expertise
- Contribute to STAC-sponsored activities
- Serve as liaison between STAC and other CBP entities (GITs, workgroups)

What about a Gubernatorial or Federal Appointee?

Each appointed mayoral or gubernatorial and federal representative from a **jurisdiction serves as the continuous communication link between STAC and his/her member of the Management Board (MB), Principal's Staff Committee (PSC) and/or the Executive Council (EC)**

Mayoral or gubernatorial appointees assist STAC by **maintaining active communication with the Chief Executive or staff in his/her jurisdiction or agency** to ensure transfer of relevant STAC information and recommendations to the executive branch of the jurisdiction, as well as relaying issues of jurisdictional concern to the STAC

Who are my representatives in the CBP? Go to:
https://www.chesapeakebay.net/who/how_we_are_organized

STAR vs. STAC

STAR



STAR is your on-the-ground, everyday technical assistance.

STAC



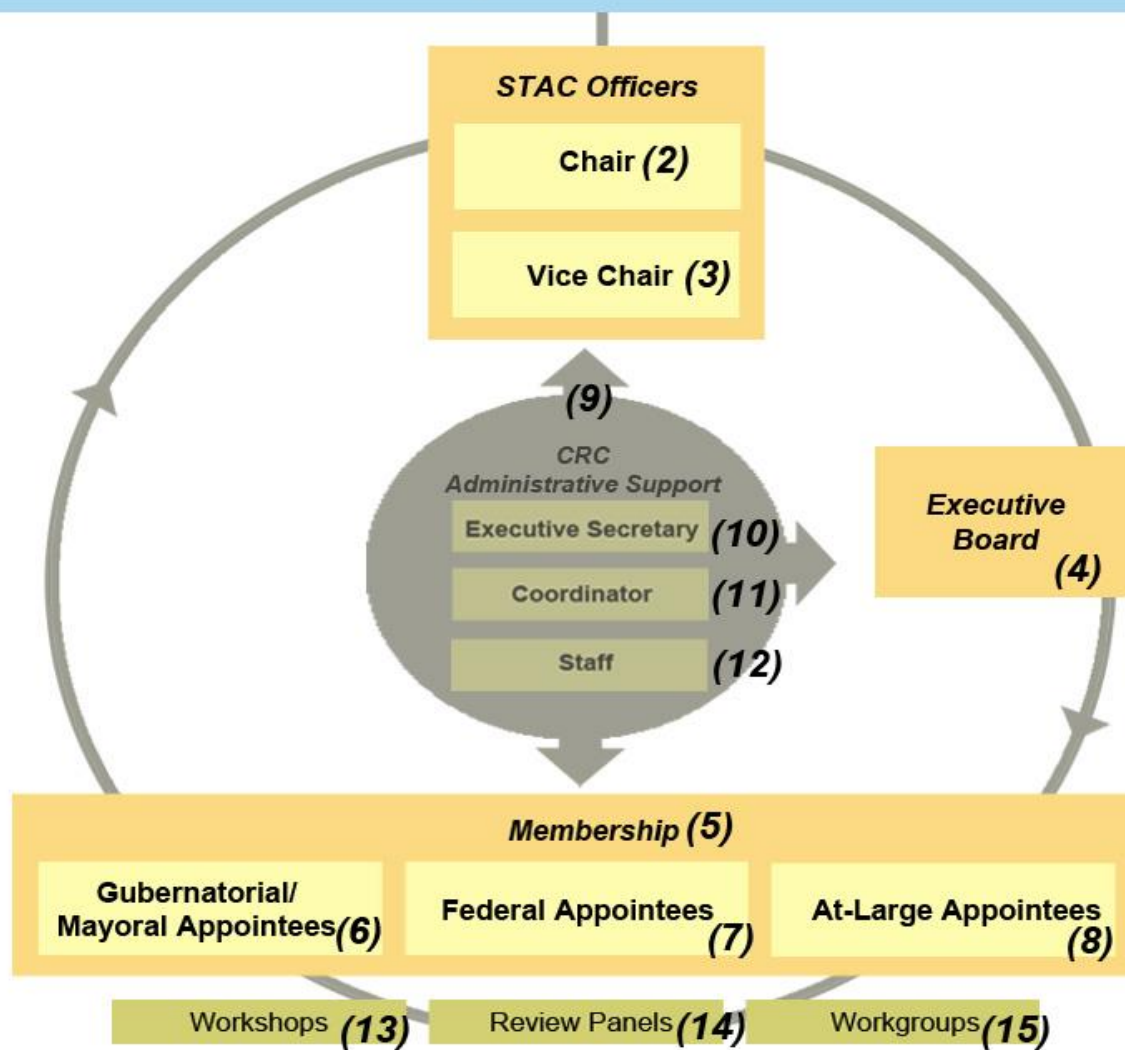
STAC is your avenue for evaluating broader questions.



CBP's connection to the regional
& national scientific community

Distribution of STAC Members	
Affiliation	# of STAC Members
VT	1
UMCES	5
USGS	3
VIMS	1
DOEE	2
UMD	1
PSU	3
Herbert, Rowland & Grubic, Inc.	1
Ellen Gilinsky LLC	1
WVU	1
SUNY Binghamton	1
DDA	1
FFAR	1
George Mason	1
Cornell	1
Morgan State	1
St. Mary's College	1
UMBC	1
UD	1
RFF	1
NOAA	1
USDA-ARS	1
NRCS	1
TNC	1

Chesapeake Bay Program (1)



What we Do

Workshops

- Explore scientific topics of interest – state of the science, problem-solving, foster collaboration

Reviews

- Independently evaluate projects, policies and programs

Synthesis*

- Analysis or synthesis of available data and previously published results to address gaps and inform future research



STAC Budget Overview

The CBP provides STAC funding through a cooperative agreement with the Chesapeake Research Consortium (CRC)

- Includes support for Staff, STAC member travel, and funding for STAC Meetings, Workshops, Reviews, Syntheses, etc.

STAC receives our budget annually: Budget cycle runs June 1 - May 31



STAC Activities at a Glance

FY20

- 4 workshops
- 1 review
- COVID impacts

FY21

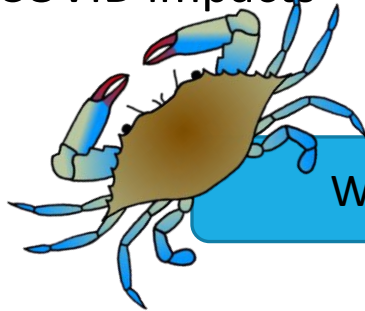
- 5 workshops

FY22

- 5 workshops
- 1 review

FY23

- 1 workshop
- CESR release



Where can STAC members weigh in?

Review proposals
for activities
(workshops and
reviews)



Serve on a review
panel or workshop
steering
committee



Review and
comment on final
reports

Quarterly Meetings

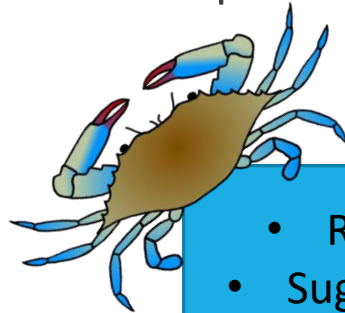
March, June, September, December

- Dates are set each September for the coming calendar year
- Typically Tuesday-Wednesday
- Meeting duration may vary
- 2 in-person and 2 virtual

STAC members expected to attend at least 2 meetings per year

- Call-in option will always be available

All meetings are open to the public – bring your colleagues!



- Recommend speakers or presentation topics
- Suggest venues, or host at your home institution

Structuring STAC Meetings

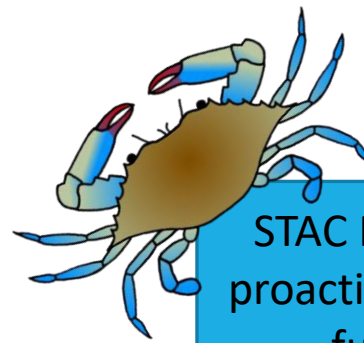
Meeting Content

- Mix of CBP programmatic updates and focusing on emerging science
- Integrated presentations with group discussion and feedback
- Concrete goals to come out of each meeting – ‘Action Item Trackers’
- Continuing the conversation and linking back to GITs and workgroups

Previous Meeting Themes

- Advancing LR and Habitat Management in the Bay’s T-Zone
- Waterborne Health Risks in our Chesapeake Waters
- Environmental Flows
- Wetland Restoration
- Soil Health 101 and the Connection to Bay Health

Workshops



STAC Member(s) can submit a proactive workshop proposal for funding consideration

- ❑ Workshops are the most common STAC activity. STAC funds about 4 to 6 workshops each year.
- ❑ Workshops are opportunities for GITs, workgroups, advisory committees and other partners to investigate the science surrounding a topic related to restoration or conservation.
- ❑ A primary mechanism by which STAC brings the broad expertise of the scientific and technical community to bear on critical and timely issues
- ❑ STAC issues a Request for Proposals (RFP) each December, STAC members evaluate proposals, and determine funding at the March quarterly meeting

Reviews

- ❑ STAC conducts independent peer review of technical reports, policy statements, and activities on behalf of CBP or other partners.
- ❑ STAC usually emphasize reviews at the broad program level and development of advice on major issues.
- ❑ Requests for STAC reviews may be received at any time
- ❑ If funded, STAC convenes a review panel of qualified experts, from within STAC membership and outside institutions.

Looking Ahead – Upcoming Activities

- ❑ **FY23 – Climate Change 3.0** is currently being planned. Likely to convene in May 2024.
- ❑ **STAC Call for Self-Nominations**
 - ❑ Self-nomination form currently open – deadline August 9, 2023
 - ❑ STAC is specifically interested in nominees with the following expertise:
 - ❑ 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

Other Opportunities for Involvement

CESR Outreach Committee

- ❖ CESR communications and outreach is ongoing and looking for partners within the CBP to help integrate learnings into the restoration effort.
- ❖ 6 workshop reports to be released over the next several months
 - We will need STAC members to review!

Recommendations Database

STAC

Login

Categories

[Clear All](#)

Recommendations

- ▶ Vital Habitats
- ▶ Sustainable Fisheries
- ▶ Water Quality
- ▶ Toxic Contaminants
- ▶ Healthy Watersheds
 - Land Conservation
- ▶ Stewardship
- ▶ Climate Change and Resiliency
- ▶ Social, Political, and Economic Scie
- ▶ Strategic Planning and Funding Modeling

Search :

Abbreviated Recommend...	Publication	Author	Actions
	Opportunities for Enhancing Agricultural Conservation Conference Report	Doug Beagle, Jim Baird, Jim Pease, Mark Dubin, Tom Basden	Detail Publication Response Letter STAC Letter
	Developing a Protocol for Development and Review of Reduction Efficiencies for Best Management Practices: Test Case of Pasture Management	Elizabeth Van Dolah, Elmer Dengler, Mark Dubin, Victoria Kilbert, William Keeling	Detail Publication Response Letter STAC Letter
The SAV model has been significantly improved and is continuing to show promise. For example, it pre	Tidal Sediments Workshop Report	Carl Cerco, Carl Friedrichs, Chris Spaur, Chuck Gallegos, Courtney Harris, Evamaria Koch, Jeff Halka, Julia Herman, Larry Sanford, Lee Currey, Lee Karrh, Lew Linker, Michael Kemp, Nancy Rybicki, Peter Bergstrom, Peter Tango, Scott Hardaway, Steve Bieber	Detail Publication Response Letter STAC Letter
Attempting to reduce nearshore turbidity through blanket application of shore protection measures wo	Tidal Sediments Workshop Report	Carl Cerco, Carl Friedrichs, Chris Spaur, Chuck Gallegos, Courtney Harris, Evamaria Koch, Jeff Halka, Julia Herman, Larry Sanford, Lee Currey, Lee Karrh, Lew Linker, Michael Kemp, Nancy Rybicki, Peter Bergstrom, Peter Tango, Scott Hardaway, Steve Bieber	Detail Publication Response Letter STAC Letter

We're Here for YOU!



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For more information on STAC, workshops, reviews, and upcoming meetings (including reports, as available), visit our webpage at:

<http://www.chesapeake.org/stac/>

Chesapeake Bay Program Website:

<https://www.chesapeakebay.net/>

CBP Newsletters (Daily, Weekly, Monthly)

<https://www.chesapeakebay.net/action/newsletters>