Management Board
Program Update
May 12, 2022

CBPO Calendar

May 13	Hypoxia Collaborative Meeting
May 16	Fisheries GIT Executive Committee Meeting
May 17	**Principals' Staff Committee meeting**
May 17	Urban Stormwater Workgroup Conference Call
May 17	Diversity Workgroup Bi-Monthly Meeting
May 18	Citizens Advisory Committee Quarterly Meeting
May 18	Nontidal Network Workgroup Meeting
May 18	Land Use Workgroup Conference Call
May 18-19	Citizens Advisory Committee meeting
May 19	Agriculture Workgroup Conference Call
May 19	CAST Webinar: Tree BMPs
May 19	Plastic Pollution Action Team Meetings
May 23	MD Oyster Workgroup Meeting
May 23	Water Quality Goal Implementation Team meeting
May 25	Integrated Trends Analysis Team Meeting
May 26	STAR May Meeting
June 9	**Management Board meeting**
July 19	**Principals' Staff Committee meeting**

Program Updates

High Resolution Land Use
The latest update to the Chesapeake Bay Watershed High Resolution Land Use/Land Cover and Change Data will be released the week of May 16th. These data cover 99,000 square miles–an area comprising 206 counties that intersect or are adjacent to the Chesapeake Bay watershed. The new 2017-18 dataset includes a more detailed land use/land cover classification with enhanced technical and scientific information that was not previously available for the 2013-14 data product. It will inform Chesapeake Bay TMDL planning efforts that will help watershed jurisdictions make progress toward meeting their pollutant reduction goals.
Contact: Lee McDonnell 410-267-5731

Request for Proposals for the new America the Beautiful Challenge
On May 6, the National Fish and Wildlife Foundation released a Request for Proposals for the new America the Beautiful Challenge, a streamlined grant funding opportunity for new conservation and restoration projects around the U.S. that consolidates funding from multiple federal agencies and the private sector to enable applicants to conceive and develop large-scale projects that address shared funder priorities and span public and private lands. Proposals are due by Thursday, July 21, 2022. For the Chesapeake Bay region, most available funding will come from the Department of the Interior. Only State government agencies and Indian Tribes are eligible applicants. NFWF is encouraging other potential partners – including nonprofit and community-based organizations, local

governments, and others – to partner directly with State or Tribal entities to develop proposals that address local community needs.

An informational webinar is scheduled for Thursday, May 19. Interested parties should register for the webinar via the link provided in the RFP. NFWF national program staff contact information is also provided in the RFP. NFWF's Chesapeake team also stands ready to help prospective applicants with proposal consultations, so feel free to reach out to NFWF's national programs staff and/or myself to discuss potential proposals.

Infrastructure Funding for Bay Watershed
On May 2, EPA Deputy Administrator Janet McCabe, EPA Regional Administrator Adam Ortiz and members of the Maryland Congressional delegation announced the award of $40 million from the Bipartisan Infrastructure Law (BIL) for actions to help restore the Chesapeake Bay and advance efforts to promote environmental justice and counter climate change. The $40 million is part of $238 million that the Chesapeake Bay Program Office will receive over five years under the infrastructure law.
Contact: Martha Shimkin, shimkin.marthat@epa.gov

Stream Fish Study Provides New Framework to Monitor Climate Change
The USGS recently published results from a study that provides a new framework to monitor climate change in the Chesapeake Bay headwaters. The CBP partnership identified four goals for actions toward change climate: 1) address the threats of climate change in all aspects of the partnership's work; 2) prioritize communities, working lands, and most vulnerable habitats; 3) apply the best scientific, modeling, monitoring and planning capabilities; and 4) connect restoration outcomes with emerging opportunities. The study, done in cooperation with the National Park Service, helps address these CBP climate goals by revealing how strategies for survival and reproduction of fishes can be used to understand climate change in the Chesapeake Bay headwaters and across the globe. More information may be found at:
https://www.usgs.gov/centers/chesapeake-bay-activities/science/study-stream-fishes-provides-new-framework-monitor

Water Qualtiy Goal Implementation Team (WQGIT) Meeting Features Phase 7 Update
The Phase 7 suite of modeling tools was the focus of the April 25 WQGIT meeting. Attendees received an update on Phase 7 progress and development and where they could find relevant information. The update referenced other tool development activities as well as those solely for Phase 7. There are a series of separate development efforts being developed and tracked that include: Estuarine Model, Watershed Model, CAST, BMP optimization, High Resolution Land Use, and Water Quality Criteria Assessment. Details for all these activities are found on the Phase 7 model development site.
Contact: Lee McDonnell 410-267-5731

Chesapeake Bay Program Participates in International Roundtable on Water and Resources Management
On April 13, Michelle Price-Fay, Acting Director of the Chesapeake Bay Program Office, participated in a closed roundtable of the Director of the World Food Law Institute. The roundtable was hosted by the French Embassy and the discussion focused on water and its essential use for food security and the economic well-being of many local communities and their people. Roundtable panelists were asked to speak about their experience with resources and economic needs, working together to cooperate regarding their water resources and management initiatives. In addition to the Chesapeake Bay Program participation, other panelists included the General Counsels of the UN International Fund for Agricultural Development and the Inter-American Development Bank-Invest, and the Minister-Counselor of the Embassy of Peru. The panelists focused on regional initiatives and developments in water cooperation at the international, regional and national levels. This may be the first of several conversations to talk about regional collaborations and equity markets that can support water and resources management.
Contact: Michelle Price-Fay, 215-814-3397

Chesapeake Bay Federal Agencies Announce Initial Climate Actions
On April 22, Federal partners of the regional Chesapeake Bay Program unveiled an initial round of actions that each plans to take to counter climate change impacts in the Chesapeake Bay watershed. The actions respond to

Executive Council *Directive 21-1 Collective Action for Climate Change* (signed October 2021). The initial actions can be found at: https://www.chesapeakebay.net/documents/Climate_Directive_4.26.22.pdf
Contact: Rachel Felver, 443-892-0205

Advisory Committee Updates

Local Government Advisory Committee
The purpose of the LGAC is to advise the Executive Council on how to effectively implement projects and engage the support of local governments to achieve the goals of the Bay Agreement.

LGAC held its first in-person quarterly meeting since December 2019 on March 17-18 in Annapolis with a video hybrid option. Members were thrilled to be back together; the conversation was lively and fully engaging - a reminder how important time together is. LGAC used Owl Labs technology and virtual speakers and guests found it very interactive.

This was the annual elections meeting for LGAC Chair and Vice-Chairs. Jasmine Gore (VA) was reelected Chair for her second term. Vice-Chairs are as follows-Daniel Chao (DC), Mark Dobbins (MD), Richard Baugh (VA), Michael Helfrich (PA) and Don Phillips (At-Large).

The focus for this meeting was Resources for Local Governments and there was discussion around a new CBP case study database, county tree cover status and trends fact sheets, American Rescue Plan and Infrastructure Investment and Jobs Act funding, resources and technical assistance from Army Corps of Engineers and Department of Defense as well as a discussion about what continues to be local barriers for implementation. Additionally, Members provided feedback on the STAC Rising Watershed and Bay Water Temperatures project.

LGAC will next meet June 2-3 in Lancaster, PA with a hybrid option.

LGAC still seeks a New York representative.

If there are MB asks or requests to get LGAC feedback during future quarterly meetings, please contact the LGAC Coordinator, Jennifer Starr at jstarr@allianceforthebay.org. To be added to the Interested Parties list, please contact LGAC Staff at lgac@allianceforthebay.org.

Citizens' Advisory Committee
The Citizens Advisory Committee (CAC) is charged with responsibility for representing residents and stakeholders of the Chesapeake Bay watershed in the restoration effort and advising the Chesapeake Bay Program Partnership on all aspects of restoration.

The CAC will hold a hybrid meeting in Ellicott City, MD on May 18-19, 2022. The CAC Emerging Issues Subcommittee will host a learning session about the water quality impacts from utility scale solar development. The members will tour a nearby site.
There are 2 PA gubernatorial vacancies and 1 DC mayoral vacancy.
The CAC officers are Julie Lawson (DC), Chair and Ann Jurczyk (VA), Vice-Chair.
To be added to CAC's Interested Parties List, please contact: Adam Bray abray@allianceforthebay.org for program questions, contact Jessica Blackburn jblackburn@allianceforthebay.org

Scientific and Technical Advisory Committee (STAC)
The Scientific and Technical Advisory Committee (STAC) provides scientific and technical guidance to the Chesapeake Bay Program on measures to restore and protect the Chesapeake Bay.

For any inquiries, or to be added to STAC's Interested Parties list, contact STAC Coordinator, Meg Cole (colem@chesapeake.org). Visit the STAC website at www.chesapeake.org/stac

Upcoming June Quarterly Meeting: June 14-15, 2022
The upcoming STAC June Quarterly Meeting will be held in-person in Lancaster, PA on June 14th and 15th at the Cork Factory Hotel. The meeting theme is soil health and there is a planned fieldtrip on the afternoon of Day 1. If you are interested in attending either in-person or virtually, please RSVP using this Google form. You can find more information on the meeting webpage or reach out to STAC Coordinator, Meg Cole (colem@chesapeake.org).

March Quarterly Meeting: March 8-9, 2022
STAC held its first meeting of 2022 virtually on March 8-9th. Materials from the meeting can be found on the STAC March Meeting Webpage. STAC welcomed 7 new At-Large Members onto the Committee. STAC approved 5 proposals for the FY22 workshop cycle and provided suggestions to proposers for workshop planning; 1 proposal was recommended as a technical review. Following, STAC heard a report-out from the Bay Program Water Quality Goal Implementation Team (GIT) on proposed changes to Best Management Practices (BMP) protocols, as well as an overview on expert panel protocol history. STAC was asked for feedback on the Healthy Watershed Cohort and Aquatic Life Cohort science needs and were reminded of the use of the Science Needs Database. At the end of Day 1, Denice Wardrop (CRC) briefed Membership on the ongoing STAC effort titled Comprehensive Evaluation of System Response (CESR), including an updated timeline for the report release.

The meeting's second day was dedicated to a discussion on 'triple-loop learning', a concept which distinguishes three fundamentally different levels at which management can adapt to new information. Speakers were invited to sit on two panels considering this topic, one focusing on Chesapeake Bay Program (CBP) management today and the other on opportunities to advance CBP adaptive management going forward. STAC Members split into breakouts at the end of Day 2 to consider how the Bay Program may adapt at different scales as we approach 2025.

Upcoming STAC 2022 Quarterly Meeting Dates
> June 14-15, 2022
> September 13-14, 2022
> *December 6-7, 2022*

FY2022 STAC Workshop Approved Proposals
STAC approved the follow five workshops for funding in FY22 (June 1, 2022- May 31, 2023):

1. *Using Carbon to Achieve Chesapeake Bay (and Watershed) Water Quality Goals and Climate Resiliency: The Science, Gaps, Implementation Activities and Opportunities* (State of the Science Workshop)
2. *Best Management Practices to Minimize Impacts of Solar Farms on Landscape Hydrology and Water Quality* (State of the Science Workshop)

3. *The State of the Science and Practice of Stream Restoration in the Chesapeake: Lessons Learned to Inform Better Implementation, Assessment and Outcomes* (State of the Science Workshop)
4. *Using Ecosystem Services to Increase Progress Toward, and Quantify the Benefits of, Multiple CBP Outcomes* (Programmatic Workshop)
5. *Using Local Monitoring Results to Inform the Chesapeake Bay Program's Watershed Model* (Programmatic Workshop)

The following proposal was recommended to be a STAC technical review:
1. *Nutrient Reductions as Co-Benefit of Acid Mine Drainage (AMD) Treatment Proposal: Quantifying Nutrient Load Reductions for Restored Stream Segments in Acid Mine Drainage Impacted Watersheds*

Upcoming FY2021 STAC Workshops: FY21 runs from June 1, 2021- May 31, 2022.
1. *Improve the Understanding and Coordination of Science Activities for PFAS in the Chesapeake Bay Watershed* (State of the Science Workshop):
   May 17-18, 2022: [Workshop webpage](#)
2. *Improving Modeling and Mitigation Strategies for Poultry Ammonia Emissions Across the Chesapeake Bay Watershed* (Programmatic and State of the Science Workshop):
   Final Session, June 1, 2022: Workshop webpage and registration TBA
3. *Advancing Monitoring Approaches to Enhance Tidal Chesapeake Bay Habitat Assessment including Water Quality Standards for Chesapeake Bay Dissolved Oxygen, Water Clarity/SAV and Chlorophyll a Criteria* (Programmatic):
   Final Session, May 11, 2022: [Workshop webpage](#)

Information regarding future workshops, including agendas, presentations, and reports (as they become available) can be found on the STAC [workshop homepage](#).

Recent STAC Workshops
1. *Rising Watershed and Bay Water Temperatures—Ecological Implications and Management Responses* (FY21)
2. *Evaluating a Systems Approach to BMP Crediting* (FY21)

STAC Reports

Upcoming Reports:
STAC is working to finalize the following reports. Information regarding workshops held prior to January 2018 can be found on the [STAC publication page](#). STAC Staff and the Executive Board are working with leads of reports from prior to FY2018 to potentially produce fact sheets or other products that would quicken the process of getting recommendations out to the Partnership.

Reports in bold are undergoing final review stages and will be released within the next quarter.

1. **Overcoming the Hurdle: Addressing BMP Implementation Through a Social Science Lens** (FY 2020)
2. **Assessing the Water Quality, Habitat, and Social Benefits to Green Riprap** (FY20)
3. Linking Wetland Workplan Goals to Enhance Capacity, Increase Implementation (FY2015)

4. Assessing Uncertainty in the CBP Modeling System (FY2015)
5. Comparison of Shallow Water Models for Use in Supporting Chesapeake Bay Management Decision-making (FY2015)
6. An Analytical Framework for Aligning Chesapeake Bay Program Monitoring Efforts to Support Climate Change (FY2016)

Several workshop steering committees are in the process of drafting activity reports and other workshop outcomes that will be distributed to the Partnership over the next few months. More information on recent workshop reports can be found on the STAC past workshop webpage.

Goal Implementation Team, STAR and Communication Workgroup Updates

Sustainable Fisheries Goal Implementation Team
The Sustainable Fisheries GIT focuses on advancing ecosystem-based fisheries management by using science to make informed fishery management decisions that cross state boundaries.
GIT 5 has no update for this month.

Contact: Bruce Vogt; bruce.vogt@noaa.gov

Habitat Goal Implementation Team
The Habitat GIT works to restore a network of land and water habitats to afford a range of public benefits and to support priority species.
- **Habitat GIT:**
  - HGIT staffer Megan Ossmann has accepted a new position. Her last day at the Bay Program will be April 15th.
  - The Habitat GIT Spring Meeting is scheduled for May 4th (1:00-5:00 ET) and 5th (09:00-1:00 ET). A meeting agenda is being drafted and will be sent out closer to the meeting date. Meeting details will also be posted to the CBP website.
- **GIT Funding:** The Brook Trout, Fish Passage, Stream Health, and Wetlands workgroups were all approved for GIT Funding and their proposals have been included in the recently released RFP. Proposals to bid on the projects are due to the CBT by 4:00pm EST on Monday, April 18, 2022.
- **STAC Science Needs:** The Brook Trout and Stream Health, and SAV Workgroups presented their science needs at the STAC Quarterly Meeting on 03/09.
- **Workgroup Updates:**
  - **Stream Health Workgroup:** The next workgroup meeting will take place on April 15 from 10:00-12:00 ET. The meeting agenda is being drafted and will be posted to the CBP Calendar soon.
  - **Wetland Workgroup:** There is a workgroup meeting scheduled for April 19th, 2:00 - 4:00 pm ET. A meeting agenda is being drafted.
- **Other:**
  - The steering committee has been meeting weekly to plan the workshops that will address increasing the implementation of tidal and nontidal wetland restoration. The workshops will be held August 2-3, 2022.

Water Quality Goal Implementation Team
The Water Quality GIT works to evaluate, focus, and accelerates the implementation of practices, policies and programs that will restore water quality in the Chesapeake Bay and its tidal tributaries to conditions that support living resources and protect human health.

The WQGIT held a meeting on March 28, 2022. A subset of topics discussed includes:
- David Wood provided an overview of the steps the USWG has taken to assess urban fertilizer data in CAST 2021. Although USWG did not reach consensus on a proposed method for urban fertilizer in CAST 2021 during their March meeting, they are developing an Ad- Hoc group that will review new research and data sources on non-farm fertilizer sales, application, and verification.
- WQGIT endorsed the Urban Stormwater Workgroup's Recommended Next Steps to Advance Efforts to Maintain the Resilience of Stormwater BMPs.
- Lucinda Power and Jeremy Hanson reviewed the received feedback on the BMP Protocols. The revised BMP Protocols will undergo a second round of review with the WQGIT.
- Jeremy Hanson and Zach Easton briefed the WQGIT on the Climate Synthesis Report which evaluates climate change impacts on efforts to restore and protect the Chesapeake Bay. *The full report is available at bit.ly/BMP-CC-synth .*
- Ed Dunne provided an update on the draft letter to the MB addressing the WQGIT's concerns for CAST 2021. WQGIT members expressed interest in scheduling a separate call to discuss any recommendations and ensure understanding before presenting the letter to the MB. The WQGIT plans to meet on **Tuesday, April 19th from 1:00 – 2:30 PM**. Any meeting materials will be posted to the calendar page.

The WQGIT will hold a meeting on April 25, 2022 to discuss **Phase 7 model development**. A subset of topics to potentially be discussed are below:
- Estuarine Model
- Hi Resolution Land Use Data and Land Use Change Model
- Watershed Model
- CAST
- Optimization
- Water Quality Criteria Assessment

Water Quality GIT Contact: Hilary Swartwood (swartwood.hilary@epa.gov), Jackie Pickford (pickford.jacqueline@epa.gov)

Healthy Watersheds Goal Implementation Team
The goal of the Maintain Healthy Watersheds Goal Implementation Team (GIT 4) is to maintain local watershed health across a range of landscape contexts. With this goal, GIT 4 intends to bring attention

to the challenge of protecting streams and watersheds that are healthy today. This initiative complements the "dirty waters" approach which focuses on restoring impaired waters.

- The Healthy Watersheds Goal implantation Team is ramping up for a busy spring. Renee Thompson (Coordinator) and Sophie Waterman (Staffer) are meeting with jurisdictional leads to make sure that State Identified Healthy Watersheds (SIHW) definitions are correct, up to date and refined as needed. The next steps are the following:
    - Refine SIHW Definitions for each participating jurisdiction
    - Update data as appropriate (GIS shapefiles)

  To view the current State-identified healthy watersheds and the definitions visit the Chesapeake Progress site at: https://www.chesapeakeprogress.com/clean-water/healthy-watersheds

- The goal team meeting was on April 11th where members heard presentations on Planning for Clean Water Collaboration, the STAC Rising Temp Day 2 Workshop Overview and Relation to HWGIT, and a progress status on Monitoring Very-High Resolution Land Use/Land Cover Change. The next HWGIT meeting will be held on June 13th.

- The HWGIT is sponsoring two GIT funding projects. The first project is the Chesapeake Healthy Watersheds Assessment 2.0 (Scope 1) with Renee Thompson as the technical lead. The second project Updating the Chesapeake Conservation Partnership (CCP) Priority Habitat dataset of the Chesapeake Conservation Atlas: Scoping project (Scope 10) with John Wolf, Bill Jenkins, and Renee Thompson as technical leads. RFP applications for GIT funding project are due on April 18th at 4pm EST. Between now and June the Bay Trust will be reviewing bidders, writing contracts, and sending out awards with contractors work starting in the middle of June.

Healthy Watersheds GIT Contact: rthompso@chesapeakebay.net; swaterman@chesapeakebay.net

Fostering Chesapeake Stewardship Goal Implementation Team
The Fostering Chesapeake Stewardship GIT promotes individual stewardship, supports environmental education for all ages, and assists residents, communities, local governments and other stakeholders in undertaking initiatives to achieve restoration and conservation in the Chesapeake region. It aims to build public support of restoration efforts and increase engagement and active stewardship.

Chesapeake Conservation Partnership / Protected Lands Workgroup
- The CCP is proceeding with the FY20 GIT Funded Project titled "Developing Standards and Metrics to Target the Conservation of 'Green Spaces' in Diverse and Low-Income Urban Communities."
- The workgroup continues to add Chesapeake Conservation Success Stories to its new platform success.chesapeakeconservation.org. Management Board Members can email Olivia Wisner (wisnero@chesapeake.org) if they have a Conservation Success Story that they'd like to be developed.

Stewardship Workgroup
- The workgroup met on April 5th to discuss the 2022-2023 Logic and Action Plan. Meeting materials can be found on the calendar page: https://www.chesapeakebay.net/what/event/stewardship_workgroup_meeting_april_2022
- The next workgroup meeting will be held on July 13th, and October 6th.

- The Stewardship Workgroup is excited to share the Chesapeake Behavior Change web-tool which houses and promotes the use of the stewardship index data. Check it out for yourself here: https://www.chesapeakebehaviorchange.org/ This project was generously supported by GIT funding and will serve as a hub for social science tools and information for the Chesapeake Bay Program. A CBP webinar about the site took place on 4/12, a recording can be viewed on the Chesapeake Bay Program's Youtube page: https://www.youtube.com/c/chesbayprogram
- The workgroup is proceeding with the FY20 GIT Funded Project titled "Chesapeake Bay Program Social Science Assessment and Integration Road Map Development" which will determine ways to strategically integrate social science into the Chesapeake Bay Program.

Education Workgroup
- The next Education Workgroup is in the process of preparing for it's Quarterly Progress Meeting in front of the Management Board on May 12th.
- The Outdoor Learning Network Initiative (OLNI) was launched in September, 2019 to increase sustained and systemic Environmental Literacy instruction in underserved districts. The first local networks included (1) Berkely, Jefferson and Morgan Counties, WV, and (2) Lancaster County, PA. The second local networks are in their early stages and include Baltimore City, MD and Hampton Roads, VA. OLNI project is advised by the Education Workgroup and consistent with Stewardship GIT goals.
- The Education Workgroup continues to develop the Regional Outdoor Learning Network (ROLN). ROLN aims to 1) increase communication across partners and local implementation networks to support environmental literacy, including more and better designed MWEEs and 2) increase the number of teacher-supported systemic environmental literacy programs occurring in priority school districts.
- The Education Workgroup has been working closely with the Chesapeake Bay Program Web Team to update elements of baybackpack.com, an Environmental Literacy teaching resource for formal and non-formal educators in the watershed.

Public Access Workgroup
- The Public Access Workgroup's Spring Meeting will be held on April 20th from 9:30 - 10:30. During our time together we hope to share preliminary results of the Benefits and Barriers to Public Access Research Project and share a draft version of the workgroup's next 2-year action plan. Join info can be on the Bay Program calendar page: https://www.chesapeakebay.net/what/event/public_access_workgroup_spring_meeting
- The Public Access Workgroup is currently collecting data on Public Access sites opened in 2021.

- The Public Access Workgroup is proceeding with the FY20 GIT Funded Project titled "Public Access Research - Benefits and Barriers Across the Watershed" which will determine how residents in the Chesapeake Bay Watershed utilize public access sites and what barriers prevent traditionally underserved populations from utilizing public access sites. A small subset of the workgroup has agreed to work with the selected contractor OpinionWorks to advise this project as it goes forward.

Fostering Chesapeake Stewardship contact: Olivia Wisner; wisnero@chesapeake.org

Diversity Workgroup
We are preparing for the next training in our Allyship series, titled Power and Privilege. This training will be held in person at the CBP office on April 26th.

The past few weeks we have conducted interviews with C-StREAM intern candidates, and selected two who will work with the Diversity Workgroup to help us tackle items on our logic and action plan. These interns will start at the end of May.

Finally, we are preparing to issue our CBP diversity indicator survey. Every two years the DWG sends this survey to all Chesapeake Bay Program participants to collect demographic data that helps us assess progress towards our diversity targets. We are working with Staffers to ensure we have up to date membership lists for GITs and Workgroups.

Diversity workgroup contact: Briana Yancy; yancy.briana@epa.gov (Staffer)

Enhance Partnering, Leadership and Management Goal Implementation Team (GIT 6)
The goal of the Enhance Partnering, Leadership and Management GIT is to continually improve the governance and management of the CBP Partnership.

2021 GIT Funding Program – The Request for Proposals (RFP) has closed for 2021 Projects. Of the 12 projects, 11 received one or more bids, and the project which did not receive bids will be readvertised if changes can be made to the scope or the potential bidders list. The review process of potential bidders took place over the span of two weeks between April 22, 2022 and May 6, 2022. The total funding for the 2022 GIT Funding Program has not yet been announced. Following an extensive review by a volunteer team of stakeholders, the 2022 GIT Funding Program Manual is expected to be issued by the end of May 2022.

Governance Document Action Team (GDAT) – The GDAT meets biweekly to work through needed adjustments to the CBP Governance Document. GIT 6 approved the recent proposed edits regarding roles of staff and grammatical edits to EC Leadership language. A draft of the revised document and proposed language were presented to GIT 6 for concurrence at the March 16, 2022 meeting and later will be presented to Management Board. Example changes to the document include insertion of the DEIJ Directive, clarified responsibilities regarding the Strategy Review System and refinement of guidance on decision making.

Organizational Analysis – A plan has been developed to use a published survey instrument to

measure the culture of trust across the CBP. This initiative responds to several occasions when GIT 6 has gotten feedback that trust is an important factor in CBP member perceptions of the program. In addition, trust is known to be one of the essential factors in efficient, high-performing organizations. The survey is targeted to be released to CBP leaders and members in Spring 2022.

Contact: Greg Allen (Coordinator), allen.greg@epa.gov; and Kristin Saunders (ksaunders@umces.edu)

Budget and Finance Workgroup - The Budget and Finance Workgroup (BFWG) Spring Quarterly Meeting took place on May 5, 2022 as a conference call. Meeting topics focused on infrastructure spending with an update on the funding opportunities table, an update on an NCEE Environmental Justice proposal, and a discussion on the role of BFWG regarding forest buffers and wetlands outcomes. The BFWG will hold its next meeting on July 27, 2022.

Contact: Martha Shimkin (Co-Chair), shimkin.martha@epa.gov; Dr. Elliott Campbell (Co-Chair), elliott.campbell@maryland.gov

Local Leadership Workgroup - The Local Leadership Workgroup (LLWG) held its Spring Quarterly Meeting on May 3, 2022 as a hybrid meeting in person in Leesburg, Virginia and virtually via conference call. Meeting topics included a welcome from Mayor Kelly Burk, a discussion on the successes, challenges, and lessons learned from the Local Government Guide to the Chesapeake Bay, proposals of topics for Phase II modules, and an update on the Peer 2 Peer Bus Tours. A tour of the Tuscarora Creek Stream Restoration/ Flood Mitigation Project was held following the meeting. The LLWG will hold its next meeting on August 30, 2022 focused on social science. Efforts to roll out A Local Government Guide to the Chesapeake Bay 2.0 continue in partnership with state agencies and local government associations.

Contact: Caroline Johnson (Staffer), johnson.caroline@epa.gov; Laura Cattell Noll (Coordinator), lnoll@allianceforthebay.org; Heidi Bonnaffon (Chair), hbonnaffon@mwcog.org; Michelle Edwards (Vice Chair), medwards@rrregion.org

Scientific, Technical Assessment, and Reporting Team (STAR)
The purpose of STAR (Scientific, Technical Analysis and Reporting) is to facilitate productive deployment of scientific resources, to provide timely, quality information to managers, and to expand communication between workgroups.
The April STAR meeting focused on the theme of social science tools and indicators, in addition to the Next Generation Stewards Cohort Strategy Review System (SRS) Dry Run presentations. The meeting began with a presentation from Jake Leizear of Chesapeake Conservancy on the Public Health goal and equity updates to the Chesapeake Conservation Atlas. Then Vanessa Vargas-Nguyen and Joe Edgerton of UMCES presented on the new Chesapeake Bay Report Card Indicators and focused on explaining and gathering feedback on the economic indicators. The rest of the STAR meeting was dedicated to the SRS Dry Run presentations of the Next Generation Stewards Cohort in preparation for their May 12th Quarterly Progress Meeting to the Management Board. Outcome Leads presented on progress, challenges, and lessons learned. STAR members provided feedback and suggested improvements to the presentations. The next STAR meeting is on May 26, 2022 and will be a working meeting in collaboration with the Status and Trends Workgroup to develop quantitative metrics.

Modeling Workgroup
The Modeling Workgroup completed its April Quarterly Review of CBP Modeling and Analysis. The April 5-6, 2022 CBP Modeling Quarterly Review outlined the schedule and provided status updates on the new Phase 7 suite of models. The tasks and timelines of the various models were shared and discussed. Specifically, the 14 presentations ranged from optimization efforts, to the initial set up of the James, York, and Patuxent River Multiple Tributary Models (MTMs), to progress updates on Phase 7 Watershed Model and MBM development thus far. Going forward, the Modeling Ad Hoc team will meet weekly to continue working on improving the workplans and coordination among the Phase 7 suite of models. The next CBP Modeling Quarterly is a two-day meeting on July 5 and 6, 2022.

Integrated Trends Analysis Team (ITAT)
The April ITAT meeting began with a brief summary of the recent cluster analysis small group meeting and a discussion on how best to use the ITAT webpage in communicating the results of ITAT efforts to Chesapeake Bay stakeholders. Breck Sullivan then led a discussion on potential GIT Funding proposals ITAT could submit to advance the team's work. In continuing the discussion from previous ITAT meetings about operationalizing the tributary summary updates, Vanessa Van Note presented a draft outline of the timeline for updating tributary summaries to get feedback from ITAT members. Qian Zhang

presented the updated attainment deficit visuals and solicited feedback on developing animations and maps of the attainment deficit trends. The next ITAT meeting is scheduled for May 25, 2022.

In efforts to disseminate the tributary summaries to interested parties, ITAT has presented information and examples on how to use the information to inform management decisions to multiple groups including STAC, CBP Modeling Workgroup, and Anacostia Watershed Community Advisory Committee. If interested in having the Tributary Summaries presented at your jurisdictional or local meetings, please contact Breck Sullivan (bsullivan@chesapeakebay.net) and Vanessa Van Note (VanNote.Vanessa@epa.gov).

Climate Resiliency Workgroup (CRWG)

The April CRWG meeting focused on social science and diversity, equity, inclusion, and justice projects that our workgroup supports. Laura Cattell Noll presented on the "Local Government Guide to the Chesapeake Bay," which is a series of seven modules intended to inform and empower decisions at local levels; the modules include editable powerpoints and handouts that local policymakers and managers can use. These modules contain information about how the watershed works, as well as specific information about clean water, benefits of trees, land preservation, stormwater resiliency, and capitalizing on the green-collar workforce. To avoid climate change being siloed into its own module, connections to climate change and resiliency were incorporated throughout all the modules. Briana Yancy presented on the Targeted Outreach for Green Infrastructure (TOGI) project. The goal of the TOGI project is to identify underserved communities in the VA, DC, and MD areas that are at risk from climate change impacts and have habitat conservation or restoration potential. The project utilizes targeting tools to select potential locations that would benefit from green infrastructure. Some important key lessons learned from this project include realizing that it takes more time, resources, and technical assistance to build meaningful relationships that lead to impactful projects. Additionally, the original project and vision was too short sighted; the needs of the communities required a greater capacity through additional funding to support grant writing, implementation, and stipends. Lastly, intent does not matter as much as impact. The final presentation by John Wolf, focused on the Chesapeake Bay Environmental Justice and Equity Dashboard and related Climate Resiliency Tools, including how to access and use them to determine areas that could result in co-benefits from climate resiliency actions. He developed a story map of four use-cases for this meeting to show how the climate resiliency tool can be utilized for management purposes and targeting. He mentioned that he was interested in feedback about whether these use-cases were relevant to the climate resiliency workgroup and their supported projects.

The CRWG will not be holding a May meeting, so that they can focus their resources on writing the STAC Rising Water Temperatures Workshop report.

Data Integrity Workgroup

The Data Integrity Workgroup held its quarterly virtual meeting on February 22, 2022. The meeting materials have been uploaded and can be found here. The meeting was presided by Cindy Johnson from VADEQ. All jurisdictions provided an update on monitoring. Peter Tango and Breck Sullivan provided an overview of the PSC report on monitoring, specifically the enhancement of nontidal and tidal monitoring programs. Peter also updated the workgroup on updates for SAV and 2022 monitoring. Scott Schroeder presented on and demonstrated Fluidics Intelligently Automated (FIA) lab instrument's system. Mike Mallonee presented the coordinated split sample results for the Chesapeake Bay mainstem and tributaries. CBL performance testing blind audit program schedules were provided by Jerry Frank. Liz Chudoba provided updates on citizen monitoring programs. The next quarterly meeting has yet to be scheduled.

Bay Oxygen Research Group (BORG) - 4-D Water Quality Interpolator
The Leadership team met on April 29th to discuss progress on incorporating flow into the model. Classification and Regression Trees (CART) did not perform well in explaining the multiple effects of flow in the Estuary, so the team proceed by trying to use variable selection. The team will continue with this approach and next steps include data screening and considering other variables such as wind. The full BORG meeting on the case study showcase and 4D developments will be coordinated as the 3rd event in the STAC Advanced Monitoring Workshop held on May 11th.

Nontidal Network (NTN) Workgroup
The March 2022 NTN meeting included an update on the PSC Monitoring report and the response from the PSC. The meeting also included an update and discussion led by Mike Mallonee on the Chesapeake Environmental Data Repository NTN data inventory. The meeting concluded with a discussion on releasing cluster analysis of nontidal network as part of future publication(s) for other related. The April meeting was canceled, and the next Nontidal Network Workgroup meeting is scheduled for May 18th, 2022.

Criteria Assessment Protocol (CAP) Workgroup
The CAP WG participated in the first event of the STAC workshop on Advancing Monitoring Approaches to Enhance Tidal Chesapeake Bay Habitat Assessment, which focused on advances in estuarine SAV assessment. This is a STAC workshop with invited technical and management personnel convened to review and determine the gaps and cost challenges limiting habitat assessments as outlined by the water quality standards under the TMDL for dissolved oxygen, water clarity/SAV and chlorophyll a. The objective is to develop actionable recommendations on adaptive monitoring and assessment for the next generation Chesapeake Bay Program tidal monitoring program. The CAP WG also participated in the second STAC workshop session on April 22nd, which targeted the state of research for satellite-based assessment of chlorophyll and water clarity. CAP WG members provided foundation and perspectives on the existing protocols for reference to compare to new opportunities evolving with aerial/satellite-based sensors. CAP members are invited to the 3rd event in the STAC Advanced Monitoring Workshop held on May 11th.

Status and Trends Workgroup (STWG)
The workgroup had its first meeting under the new workgroup meeting structure on April 13 that focused on existing indicators that are expected to update their indicator between April and June 2022. Indicator representatives discussed indicator update timelines, communication needs for their outcomes, and updates on the status of their indicators. As part of the new workgroup structure, the STWG will next meet on May 9th with outcomes that are developing quantitative indicators.

May 2022 Management Board Indicators Update
May MB Indicators Update
Since the April MB meeting, we have not updated any indicators to ChesapeakeProgress.

We anticipate finalizing the following additional indicator updates in advance of the June MB meeting:
- RPI (2021 data)
- Toxic Contaminants Policy and Prevention (2018 data)

Contact: Katheryn Barnhart, barnhart.katheryn@epa.gov

Communications Workgroup

The Communications Workgroup provides strategic planning and expert advice to support the communication needs of the Chesapeake Bay Program partners, and spur public action through consistent messaging, expanded media coverage, use of multimedia and online tools, comprehensive branding and promotion, outreach to stakeholders, and coordinated internal and external communications.

On May 5, the Communications Workgroup held its monthly meeting where we coordinated shared messaging around American Wetlands Month and Garden for Wildlife Month. Marisa Baldine, Chesapeake Research Consortium, showed members a draft of the Chesapeake Bay Awareness Week social media toolkit.
- Access shared messaging documents here: https://www.chesapeakebay.net/channel_files/44489/05_may_22_comwg_shared_messaging.pdf
- The social media toolkit will be available by May 16 in this Google folder: https://drive.google.com/drive/folders/12HGDwUHdC5yQJd8rOZv5CWmcOYl2dmDU?usp=sharing

The Communications Workgroup will start working as the Strategic Engagement Team in August.

Communications Office
On April 12, the Communications Office hosted a webinar, "Inspire Local Stewardship With 'Chesapeake Behavior Change'" The speakers included Amy Handen and Steve Raabe.
- Watch the recording: https://www.youtube.com/watch?v=E0raDNq0AW4&list=PLRa28NrZJAF6wSTLTXyiO2P_wP2vO4R2v&index=10

On April 21, the Communications Office published a press release announcing the launch of the Chesapeake Behavior Change website.
- Read the press release: https://www.chesapeakebay.net/news/pressrelease/chesapeake_behavior_change_focuses_on_increasing_environmental_stewardship

On April 28, the Communications Office published a press release announcing federal actions to combat climate change in the Chesapeake Bay watershed.
- Read the press release: https://www.chesapeakebay.net/news/pressrelease/chesapeake_bay_program_federal_agencies_announce_actions_to_combat_climate

On May 16, Caroline Grass will join the Communications Office as a summer intern.

This summer, the Chesapeake Bay Program will participate in the Smithsonian Folklife Festival. The Festival will take place from June 23-27, June 30-July 4. The Chesapeake Bay Program has asked each jurisdiction to lead an activity on one of the festival days. The jurisdictions will be participating on the following days:
- June 23 - Virginia
- June 23 - Washington, D.C.
- June 26 - Delaware
- July 1 - West Virginia
- July 2 - Maryland

The following blogs were published in April:

- Lampreys in the Bay—vicious parasite or a welcome wonder?
  https://www.chesapeakebay.net/news/blog/lampreys_in_the_bayvicious_parasite_or_a_welcome_wonder
- Weed warriors fight for forest health
  https://www.chesapeakebay.net/news/blog/weed_warriors_fight_for_forest_health
- Vigilant volunteers offer a safety net for migrating birds
  https://www.chesapeakebay.net/news/blog/vigilant_volunteers_offer_a_safety_net_for_migrating_birds
- How a new website rooted in social science can increase environmental stewardship
  https://www.chesapeakebay.net/news/blog/how_a_new_website_rooted_in_social_science_can_increase_environmental_stewa
- A growing nonprofit scales up its impact on the Elizabeth River
  https://www.chesapeakebay.net/news/blog/a_growing_nonprofit_scales_up_its_impact_on_the_elizabeth_river
- Federal agencies working in the Chesapeake commit to take action against climate change
  https://www.chesapeakebay.net/news/blog/federal_agencies_working_in_the_chesapeake_commit_to_take_action_against_cl
- A nonprofit rooted in Baltimore uplifts the city with trees
  https://www.chesapeakebay.net/news/blog/a_nonprofit_rooted_in_baltimore_uplifts_the_city_with_trees