



## Climate Resiliency Workgroup

June 15th, 2023

1:30-3:30 PM EST

Join by Webinar:

<https://umces.webex.com/umces/j.php?MTID=m7fb60f1610bcdfb97ff7d794c78a175e>

Join by Phone:

+1-408-418-9388 and enter access code: 2621 434 4663

Meeting password: X2QiuTvzg43

Event webpage:

<https://www.chesapeakebay.net/what/event/climate-resiliency-workgroup-meeting-june-2023>

*This meeting will be recorded for internal use to assure the accuracy of meeting notes.*

## Agenda

**1:30 PM**      **Welcome, Opening Remarks, and Announcements – Mark Bennett, Co-Chair (USGS), Jackie Specht, Co-Chair (The Nature Conservancy), Julie Reichert-Nguyen, Coordinator (NOAA), and Jamileh Soueidan, CRWG Management Staffer (CRC) [15 minutes]**

*Focus of meeting:*

- *Share recent partner efforts around climate change impacts on nontidal watershed regions of the Chesapeake Bay and recommendations to address these impacts.*
- *Provide Taylor Woods (USGS) and her team with input and feedback on their web application, which focuses summarizing their research on Chesapeake Bay stream fish vulnerability and land-use/land cover change.*

*Workgroup Announcements:*

- *Welcome to Emily O’Keefe, summer intern with the CRC/NOAA program. Emily will be working on a project that will help advance our [workplan](#) actions 1.2a and 1.6a related to evaluating water temperature change/marine heat wave with fish habitat metrics.*
- ***Opportunity: Participate on cross-workgroup advisory committee to***

***assist with the conceptual development of a sea level rise-tidal wetland impact indicator for Chesapeake Progress. Status and Trends Workgroup will be organizing a special meeting with members from the Climate Resiliency Workgroup, Wetlands Workgroup, and Land Use Workgroup. Potential contractor support available to create the indicator.***

- EPA-ORD recently published the [proceedings](#) for their May 2022 Resilient Coastal Wetlands and Communities Workshop. The workshop brought together USEPA researchers along with a host of other partners and stakeholders virtually, for a cross-organizational and cross-regional exploration of three scientific themes: characterizing and measuring wetlands resilience; adapting management to support wetlands resilience; and linking wetlands resilience to the health and resilience of coastal communities, including those that are overburdened and underserved.

**1:45 PM      Impacts of Climate and Land-use/Land Cover Change on Stream Fishes and Instream Habitat in the Chesapeake Bay Watershed (Taylor Woods, USGS) [35 Minutes]**

*Taylor will present an overview of her recently published research investigating Chesapeake Bay stream fish vulnerability to climate change and land-use/land cover change. Additionally, she will present on upcoming research modelling climate and land-use/land-cover change on streamflow characteristics throughout the Chesapeake Bay watershed. The presentation will be followed by a discussion to provide feedback to guide development of a stream fish vulnerability web application as a part of a USGS Community for Data Integration grant and to determine needs for upcoming instream habitat modelling efforts related to climate and land-use change drivers.*

**2:20 PM      Raindrops and Rivers: Stacking Climate Resilient Practices Informed by River Flow Data (Olivia Devereux) [30 Minutes]**

*Olivia will present on her work utilizing river flow data to help inform climate resiliency strategies. This work aimed to: 1) discover where to access river flow data that can illustrate trends leading to nuisance flooding; 2) learn an approach for identifying and quantifying multiple benefits of climate resilient management practices; and 3) amass resources for and examples of community engagement successes that improve climate resiliency.*

**2:50 PM      STAC Rising Water Temperature Workshop Watershed Management Implications, Recommendations and Associate Science and Research Needs (Rebecca Hanmer, Forestry Workgroup Chair/Retired EPA) [30 minutes]**

*Rebecca will present on the watershed findings from [the STAC Rising Water Temperature Workshop](#). These findings include management implications, recommendations, and their associated science needs, which all aim to address*

*increasing water temperatures in the nontidal portions of the Chesapeake Bay Watershed.*

**3:20 PM      Partner Announcements and Wrap Up [10 minutes]**

**3:30 PM      Adjourn**