



Climate Resiliency Workgroup

February 14, 2022

2:00-4:00 PM

Join by Webinar:

<https://umces.webex.com/umces/j.php?MTID=m2c234b6725b0385e101c605941fa8552>

Join by Phone:

+1-408-418-9388 and enter access code: 26221499518

Meeting password:

w6MsX7GMHm4

Event webpage:

https://www.chesapeakebay.net/what/event/climate_resiliency_workgroup_meeting1

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

Agenda

2:00 PM Welcome and Meeting Overview – Chair Mark Bennett (USGS) and Coordinator Julie Reichert-Nguyen (NOAA)

Focus of meeting:

- Share research on marine heat waves in Chesapeake Bay
- Debrief on [Rising Water Temperatures STAC Workshop](#) discussions
 - Connect with workplan action related to Bay Water Temperature Change Indicator and identifying science needs related to rising water temperatures.
 - Get thoughts from CRWG members on the management implications of rising water temperatures related to habitats and living resources.

2:10 PM Presentation on marine heatwave research in Chesapeake Bay – Dr. Piero Mazzini (Virginia Institute of Marine Sciences)

The frequency, duration, and intensity of marine heatwaves (MWHs) have been observed to increase in global oceans, but little is known about their potential variability in estuarine systems. VIMS conducted a [study](#) to investigate the intensity, duration and frequency of MWHs in the Chesapeake Bay using over three decades of continuous temperature records. Observed trends suggest that the

Chesapeake Bay will reach a semi-permanent MHW state, when extreme temperatures will be present over half the year. Given the detrimental impacts of MWHs on ecosystems and marine and estuarine economic activities, improving our basic understanding of MWHs is important to guide management decisions.

2:40 PM Debrief of Rising Water Temperatures STAC Workshop Phase 2, highlights on science findings, research gaps, and management implications

***2:40 PM** Tidal Subgroup - Julie Reichert-Nguyen (NOAA), Amy Goldfischer (CRC), Alex Gunnerson (CRC)*

***3:05 PM** Watershed Subgroup – Katherine Brownson (USFS), Spencer Tassone (UVA)*

3:30 PM Discussion

CRWG members will discuss management implications and science needs related to assessing rising water temperatures and effects on natural resources (habitats, landscapes, fisheries, SAV). Are there any management implications identified during the STAC workshop that partner research could help inform? Are there any efforts in progress that you know of?

3:55 PM Wrap-up and announcements