



WATER RESOURCES TECHNICAL COMMITTEE (WRTC)

November 8, 2024
10:00 A.M. - 12:00 P.M.
Webinar only via MS Teams

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AGENDA

10:00 A.M. 1. **WELCOME, INTRODUCTIONS AND ANNOUNCEMENTS (MM #1)**
Jason Papacosma, WRTC Chair, Arlington County

10:05 A.M. 2. **COG COLLABORATIVE GRANT – NOAA MARINE DEBRIS GRANT FOR ADDRESSING DERELICT VESSELS AND LARGE DEBRIS IN THE ANACOSTIA RIVER (MM#2)**
Phong Trieu, COG

Phong Trieu will provide an overview of COG's project to reduce trash and protect local ecosystems in the Anacostia Watershed. The project is funded through a collaborative grant COG received through the National Oceanic and Atmospheric Administration (NOAA) Marine Debris Program. COG will be working in collaboration with the Anacostia Watershed Restoration Partnership and the Anacostia RiverKeeper to improve the health of the watershed by removing an estimated 60,000 pounds of trash and debris and 33 abandoned or derelict vessels from marinas along the Anacostia during the four-year lifespan of the project.

The Anacostia Watershed Restoration Partnership is looking to create a catalogue of large trash for future cleanup projects. A link to the tracker is located here:
<https://enjoytheanacostia.org/news/largetrashreporter>

Action: Receive briefing

10:35 A.M. 3. **2023/2024 CHESAPEAKE BAY & WATERSHED REPORT CARD (MM#3)**
Dr. Vanessa Vargas-Nguyen, University of Maryland Center for Environmental Science
Dr. Vargas-Nguyen will provide an overview of the 2023/24 Chesapeake Bay and Watershed Report Card highlighting implications for the metropolitan Washington region. The Report Card assesses traditional ecological indicators, and economic and societal indicators to evaluate the Chesapeake Watershed health. The findings from community

listening sessions over the past three years will also be discussed, highlighting the results from the Potomac and Patuxent watershed

Action: Receive briefing

11:00 A.M. 4. RELIABILITY OF TWO-DIMENSIONAL HYDRODYNAMIC MODELS IN STREAM RESTORATION: AN EVALUATION USING FLOOD EVIDENCE AND APPLICATION TO FUTURE CLIMATE CONDITIONS (MM#4)

Jesse Robinson and Dr. Art Parola, Wetland Studies and Solutions, Inc

Jesse Robinson will provide an overview of the research project that assessed how different restoration approaches can reduce the impacts of future climate change. The research is funded through the Chesapeake Bay Trust. The research assessed the reliability of 2D hydrodynamic models used in the design of stream restoration projects for five sites through the Chesapeake Bay during extreme flood events and under future climate conditions. Dr. Parola will discuss how 2D modeling can be a tool for identifying current and future flood vulnerabilities and increasing resilience into restoration projects.

11:30 A.M. 5. MEMBER UPDATES (MM#5)

Members will be asked to share any relevant program updates or upcoming meetings of interest to the WRTC members.

11:40 A.M. 6. COG STAFF UPDATES (MM#6)

COG Staff

12:00 P.M. 7. ADJOURN

Meeting Materials

MM#1 – WRTC Agenda November 8, 2024

MM#2 – COG Collaborative Grant – NOAA Marine Debris grant for addressing derelict vessels and large debris in the Anacostia River PPT

MM#3 – 2023/2024 Chesapeake Bay & Watershed Report Card PPT

MM#4 – Reliability of Two-Dimensional Hydrodynamic Models in Stream Restoration: An evaluation Using Flood Evidence and Application to Future Climate Conditions PPT

