



## COG'S FRESHWATER SALINIZATION MONITORING RESEARCH PROJECT UPDATE - PHASE 2

February 15, 2023  
1:00 P.M. – 3:00 P.M.  
Webinar only via MS Teams

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### DRAFT AGENDA

- 1:00 P.M.**     **1. INTRODUCTIONS AND PROJECT OVERVIEW**  
*Katie Dyer, COG Staff*
- 1:10 P.M.**     **2. MODELING STUDIES IN THE OCCOQUAN WATERSHED**  
*Stanley Grant, Occoquan Watershed Monitoring Laboratory*
- Mr. Grant will provide an overview and update on modeling studies being trialed in Occoquan watershed (Flatlick Branch). The modeling studies can provide estimates of duration and magnitude of salt ion concentration spikes in response to various factors, including precipitation events and winter salt application. The discussion will also include ways to use the models in other watersheds.
- 1:40 P.M.**     **3. UPDATE ON SYNOPTIC STUDIES**  
*Jeff Chanut, U.S. Geologic Survey, USGS*  
*Sujay Kaushal, University of Maryland*
- The researchers will discuss how they are using synoptic studies of various watersheds in the region to track the fate and transport of various salt ions and the creation of various chemical cocktails.
- 2:10 P.M.**     **4. DEVELOPING A RISK FRAMEWORK IN THE COG REGION**  
*Sujay Kaushal, University of Maryland*
- Mr. Kaushal will discuss how modeling and monitoring information on salt ions can be used to develop a regional risk framework with input from water quality managers.

**2:40 P.M. 4. DISCUSSION AND NEXT STEPS**  
*Katie Dyer, COG, and project researchers*

**3:00 P.M. 5. ADJOURN**

