SCIENTIFIC & TECHNICAL ADVISORY COMMITTEE
Meeting Agenda

DATE & TIME: *October 16, 2020 -- 9:00 a.m. to 12:00 p.m.*
LOCATION: *Zoom:* https://udel.zoom.us/j/94953815433; Passcode = science
Phone: 1-646-876-9923*; Meeting ID:* 949 5381 5433

AGENDA ITEMS
Call to order, Welcome, New Members, Introductions - Jenn Volk, Chair

Announcements
Comprehensive Conservation and Management Plan Public Comment Period - Marianne Walch, CIB
Partnership for the Delaware Estuary Virtual Summit - Doug Janiec, Vice Chair

Old Business
Funding Strategy Update - Jenn Volk, Chair

New Business
Derelict Crab Pots in Delaware's Inland Bays – Updates and Plans - Kate Flemming, UD
Kate Flemming will provide a brief update on her past efforts and future plans to identify and remove derelict crab pots from Delaware's Inland Bays.

Organic Matter Geochemistry in Delaware Coastal Ecosystems - Andrew Wozniak, UD
Andrew Wozniak is an assistant professor at the University of Delaware's School of Marine Science and Policy with expertise in marine organic geochemistry. He will present a brief overview of the work being performed in the Wozniak Marine Organic Geochemistry lab including: 1) results from a recent project examining "Spatiotemporal and storm trajectory effects on the deposition of rainwater inorganic and organic nitrogen in southern Delaware", and 2) ongoing work "Evaluating the sources of organic matter to southern Delaware waterways using fluorescence spectroscopy."

High frequency monitoring of water quality in the Delaware Inland Bays - Dr. Wei-Jun Cai, UD and Scott Andres, DGS
Despite decades of work and hundreds of millions of dollars of public expenditures, eutrophication, due to decades of excessive inputs of plant nutrients N and P, continues to damage Delaware's Inland Bays (DIB). University researchers are targeting many resources to help improve conditions. For example, project WiCCED is bringing high-frequency automated water quality sensors together with scientists from universities and the CIB to better characterize diel hypoxia, acidification, and storms, factors that have strong controls over eutrophication. This effort is creating new knowledge, data, and technical resources to the CIB for their fight for the Bays.

Coastal ocean acidification (COA) is another important stressor to water quality and the environment. With research grants from WiCCED and MARACOOS we are designing and creating a COA monitoring network in the DIB to characterize short-term variability in acidification and establish base-line conditions, essential information for defining long-term trends as well as for applications to shellfish aquaculture and water-quality modeling. We hope that these infusions of infrastructure and human resources will provide a science base needed to inform the broader efforts to improve water quality.

Meet the New CIB Staff and Review the Center's FY21 Work Plan - Marianne Walch, CIB

Dredging and Water Quality Workgroup - Doug Janiec, Vice Chair

Open

Adjourn