

SCIENTIFIC & TECHNICAL ADVISORY COMMITTEE

Meeting Agenda



DELAWARE CENTER FOR THE
INLAND BAYS
Research. Educate. Restore.

DATE & TIME: August 3, 2022 -- 9:00 a.m. to 12:00 p.m.

HYBRID MEETING: In-person: DNREC Lewes Field Office, 901 Pilottown Rd, Lewes, DE 19958

OR

Zoom: <https://udel.zoom.us/j/91577822831>; Passcode = science

Phone: 1-646-876-9923; Meeting ID: 915 7782 2831

AGENDA ITEMS

Call to order, Welcome, Introductions - *Jenn Volk, Chair*

Announcements - Marianne Walch and Anna Fagan, CIB

[“Decked Out!” Annau Fundraiser](#) - Sept. 24th, 6-9 pm, Big Chill Beach Club

Center Staffing Updates

Old Business

State of the Bays Report Update - *Marianne Walch, CIB*

New Business

Center for the Inland Bays’ Strategic Plan - *Anna Fagan, CIB*

Community Structure and Biogeochemical Role of Planktonic Archaea in the Tidal Broadkill River, *Justin Guider, UD MS graduate*

Archaea play important but somewhat undefined roles in carbon cycling in rivers, estuaries and the ocean. A year-long study of water samples from the mouth of the Broadkill River revealed a heavily size-partitioned community, with different assemblages of archaea present in large vs. small size fractions. Tidal influence was less important than anticipated, indicating no major differences in the archaeal community between estuarine and riverine end-members. A recurring summer bloom of Marine Group II archaea, a group of uncultured photoheterotrophs, was identified, as well as the presence of methanogens in the water column, suggesting the possibility of in-situ methane production.

DNREC Inland Bays Restoration Strategy, *Alison Rogerson, DNREC*

In early 2022 DNREC released the Inland Bays Restoration Strategy, a guiding document that outlines pressing threats facing wetlands and submerged aquatic vegetation and action items to address them. The evaluation process utilized stakeholder input, wetland condition data, and spatial analysis to identify and prioritize areas for conservation action.

Round Robin Updates - updates from Center staff and ALL STAC members on current or upcoming projects or initiatives

Open

Adjourn

Next Meeting: Wednesday, October 19, 2022 9:00 a.m. to 12:00 p.m.