

SCIENTIFIC & TECHNICAL ADVISORY COMMITTEE



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

Meeting Agenda

DATE & TIME: *April 13, 2022 -- 9:00 a.m. to 12:00 p.m.*

VIRTUAL MEETING: Zoom: <https://udel.zoom.us/j/98542355005> Passcode: science
Phone: 1-646-876-9923; Meeting ID: 985 4235 5005

AGENDA ITEMS

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

Announcements

Membership update - renewals, resignations, and gaps

Presiding officer elections

Old Business

Wastewater subcommittee update – *Aviah Stillman, CIB*

New Business

State of the Inland Bays Report: Status, Review and Approval

Indicator analyses have been completed, and STAC subcommittees have reviewed most of the results. At this meeting, the remaining water quality and nutrient load indicator will be presented for review, and the STAC's concurrence with the status and trends will be sought.

Estimating tidal prism of Delaware Inland Bays using a numerical model – *Fengyan Shi, Univ. of Delaware*

A numerical model was used to estimate the tidal prism of Delaware's Inland Bays. Model results revealed that the tidal prism increases with increased inlet cross-sectional area, but the increase has slowed down in recent years as the effective inlet cross-sectional area approaches equilibrium. Based on the model results and empirical formulas, the best estimate of the maximum tidal prism at present time is about 2,150 million ft³.

Water quality and nutrient load status and trend analyses – *Andrew McGowan and Marianne Walch, CIB*

The results of both linear and nonlinear trend analyses of water quality data collected from the Inland Bays will be presented. The STAC will be asked to provide input on the results and conclusions drawn. Nutrient load status and trends will also be presented for discussion.

Summary of watershed condition, living resources, human health risks, and climate indicator analyses – *Marianne Walch and Andrew McGowan, CIB*

These indicator groups have previously been reviewed by STAC subcommittees. Concurrence will be sought from the full STAC.

Open

Adjourn

Next Meeting: Wednesday, August 3, 2022 9:00 a.m. to 12:00 p.m. Location to be determined.