

# SCIENCE & TECHNICAL ADVISORY COMMITTEE

## Meeting Agenda



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

DATE & TIME: May 10, 2019 -- 9:00 a.m. to 12:00 p.m.

LOCATION: DNREC Lewes Field Facility, end of Pilottown Road, Lewes

*Meeting called by: Scott Andres, Chair*

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### AGENDA ITEMS

Call to order, Welcome, Introductions

Announcements

Report from the model subcommittee ..... *Scott Andres, DGS*

Improving resolution and accessibility of real-time water quality data  
using low-cost, high-frequency sensors maintained by citizen scientists.... *Tye Pettay, Univ. of DE*

Continuous monitoring of water quality is quickly becoming the standard for dynamic aquatic environments, like coastal bays and estuaries, yet the equipment needed for continuous monitoring can be prohibitively expensive to deploy at numerous sites over a large geographic region. I will discuss a collaborative proposal to develop a low-cost, sophisticated data logging system based on open source hardware and software that is deployable in the environment, can log sensor data for a wide variety of in situ parameters and then transmit this data to a publicly accessible online database.

Aquaculture extension activities & research initiatives  
in the inland bays..... *Ed Hale, DE Sea Grant*

A discussion on ongoing Delaware Sea Grant based extension activities and planned research projects to assist with the development of the aquaculture industry in the state of Delaware.

Search for the unseen: are derelict crab pots prevalent  
in Delaware's inland bays? ..... *Kate Fleming & Art Trembanis, Univ. of DE*

Presentation on a preliminary scoping project we completed this past winter (February 2019) in which we used low-cost side-scan sonar to search for derelict crab pots in portions of Rehoboth Bay.

New Business

Adjourn

*Upcoming 2019 STAC MEETING DATES: July 26, November 1*