

SCIENCE & TECHNICAL ADVISORY COMMITTEE



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

DATE & TIME: July 27, 2018 -- 9:00 a.m. to noon.

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

Meeting called by: Scott Andres, Chair

MEETING AGENDA

Call to order, STAC announcements Scott Andres

CIB announcements Marianne Walch

Ribbed mussel habitat restoration for water quality benefits Josh Moody, PDE

This talk will discuss the magnitude of ribbed mussel ecosystem services, in the form of total bulk and particulate nitrogen removal, and how they vary across space and time. These data are then integrated with information regarding the spatial distributions of ribbed mussel populations to identify areas deficient in these services. Based on reference sites, an estimated population maximum and the resulting ecosystem service uplift potential can be calculated for restoration techniques (i.e. living shorelines) aimed at enhancing ribbed mussel populations.....

Mountaire Report..... Chris Bason, CIB
Scott Andres, DGS

In November of 2017, the Delaware Dept. of Natural Resources and Environmental Control issued an extensive notice of violation of wastewater and wastewater sludge application permits for the Mountaire poultry processing facility on the north side of Indian River. The Center's Board of Directors formed an ad-hoc committee to develop findings and recommendations regarding the pollution at the facility. The findings of the report regarding the condition of the local groundwater, Indian River, and the compliance history at the facility was informed by the committee's work and will be presented for discussion.

Treatment Options for Food Processing Wastewater Bill Ritter, Univ. of DE

Wastewater treatment options for the meat and poultry processing, dairy, fruit and vegetable and specialty food industries will be discussed. Treatment options that are widely used in the food processing industry along with new emerging wastewater treatment technologies that are being adopted by the industry. to meet effluent limits will be discussed.

CCMP/Monitoring Subcommittee Report..... Chris Main, Scott Andres

The subcommittee met in April. First tasks include developing goals, workplan, and research agenda for an updated hydrodynamic and water quality model for the Bays. Feedback will be sought from STAC members.

New Business

Adjourn

SAVE THE DATE!

Next STAC Meeting: October 26, 2018