

Casco Bay Currents Fall 2019

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Casco Bay Currents, an email newsletter of the Casco Bay Estuary Partnership

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Fall 2019

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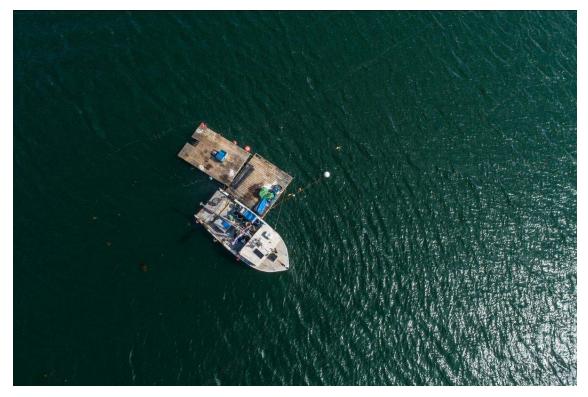


Casco Bay Stories website

Welcome,

to the Fall 2019 edition of *Casco Bay Currents*, the newsletter for Casco Bay Estuary Partnership (CBEP).

You are receiving this quarterly email newsletter because you signed up for our newsletters in the past. If you wish to unsubscribe, please click the link at the bottom of the page.



A lobster boat anchored off Little Chebeague Island. @Jerry and Marcy Monkman/EcoPhotography

Tackling Nutrient Pollution in Casco Bay



CBEP and partners are monitoring nutrients around Casco Bay to provide realtime data on nutrient processes. CBEP's "NuLAB", a land-based nutrient analyzer, deployed off the Portland Street Pier in South Portland, has been automatically collecting nitrate, nitrite and ammonium samples every two hours all summer. Seeing a likely connection between nitrate/nitrite concentration and rainfall events, CBEP plans to redeploy the sensor earlier in spring 2020 to capture data during heavy rainfall events. All data collected this summer is preliminary.

To link to streaming buoy data, or download the Nutrient Council report or a fact sheet on nutrient pollution, go to **this page** on the CBEP website.

"Shell Day" Monitoring Blitz for Coastal Acidification



Maine Shell Day Participants

On August 22, the first ever Northeast Shell Day took place. The goal of this single-day monitoring blitz was to get a snapshot of coastal conditions up and down the Atlantic coast, from Downeast Maine to Long Island Sound.

The oceans are getting progressively **more acidic** with rising atmospheric CO2 levels. For shell-forming mollusks like clams and oysters, increased levels of acidity in seawater can interfere with their ability to build and maintain their calcium carbonate shells. Not much is known about the ecological effects of coastal acidification, and scientists are working to fill in the gaps.

On Shell Day, monitoring organizations collected Total Alkalinity bottle samples supplied at no cost and later analyzed by the Northeast Coastal Acidification Network (NECAN) and partnering EPA and University laboratories. The collected water samples were then sent to participating labs where they were analyzed to determine total alkalinity.



FINAL AGENDA HAVEN'T REGISTERED—SIGN UP TODAY TO JOIN US!

AICP credits available



Join us for a daylong conference highlighting innovative strategies to help communities pay for projects to increase their resilience to sea level rise and severe storms.

Many Maine communities have identified climate-related vulnerabilities to their homes, businesses, and natural areas due to the impacts of sea level rise and increases in severe storms. Finding funding for adaptation solutions is often a major barrier to addressing these concerns and moving forward.

Join the Island Institute, Maine Coastal Program, the New England Environmental Finance Center, Casco Bay Estuary Partnership, and Resilience Works,

Register Here

Casco Bay Coastal Academy: Conservation Commissions & Plan Review Tuesday, October 29, 2019



WHAT: Hands-on workshop to learn how to review development plans with a focus on conservation commission priorities. Southern Maine Planning & Development Commission staff will lead this workshop.

WHO: Conservation commission members, other municipal board members, municipal staff, interested citizens

WHEN: Tuesday, October 29, 5:30-8 p.m. (light dinner included)

WHERE: Gilsland Farm Audubon Center, Falmouth

FMI: Contact: victoria.boundy@maine.edu



REGISTER HERE

CBEP and Partner Events

- September 26: *Free YardScaping workshop.* Learn ways to grow a beautiful lawn that's safe for kids, pets, and the environment while saving money, time, and effort. Cumberland County Soil & Water Conservation District. Yarmouth Water District. For more info, contact Ali Clift, CCSWCD, at 892-4700.
- September 27: Sea Level Rise Who Pays and How, United Farmers Market of Maine, Belfast. Island Institute & Partners. More info and registration here.
- October 2: *Storytelling with Maps*, Wells National Estuarine Research Reserve. Participants will leave this one-day workshop with the skills necessary to create a free online map and use that map to create a multimedia presentation that is easily shared. More info and registration here.
- October 20: *Mill Brook Family-Friendly Trail Grand Opening, Westbrook.* Presumpscot Regional Land Trust. Go here to RSVP.
- October 29: Casco Bay Coastal Academy: Conservation Commissions & Plan Review, Gilsland Farm Audubon Center. Hands-on workshop to learn how to review development plans with a focus on conservation commission priorities. More info and registration here.
- October 30: Building Risk Communication Skills. Wells National Estuarine Research Reserve. Better understand how people respond to risk and develop communications skills for discussing hazards in your community. More information and registration here.

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