

Who Should Attend?

- Students from classes participating in *Seagrasses in Classes* (7th - 12th grades).
- Former Young Environmental Leaders Program participants, CEHL volunteers or Student Marine Science Symposium attendees (7th – 12th grades) to serve as mentors.
- Teachers of participating students with chaperones or teacher aides as necessary

How to Register

Teachers may register students at the following url:

<https://mdibl.wufoo.com/forms/student-marine-science-symposium-2014/>

If you have any questions, please call Jordan Bailey at 610-4200 or Jane Disney at 288-9880 x 423, or email jbailey@mdibl.org or jdisney@mdibl.org.

Field Studies: Mudflat pH

Students will visit a mudflat on the MDI Bio Lab campus at low tide and monitor the pH of the mud, using methods modeled after College of the Atlantic's clam flat studies and Friends of Casco Bay's mudflat pH monitoring project. They may also do a seed clam survey!



Special Thanks

To **Professor Chris Petersen** of College of the Atlantic, who advised us on methods for the field studies activity.



MDI Biological Laboratory

Student Marine Science Symposium '14: *Coastal mudflats and ocean acidification*



June 5,
8:30a.m.-2 p.m.

Mount Desert Island
Biological Laboratory
P.O. Box 35
17 Star Point Road
Salisbury Cove, ME 04672
Phone: 207-288-9880 ext. 423
E-mail: jbailey@mdibl.org
or jdisney@mdibl.org

Agenda

- 8:30** Arrival and registration
- 8:45** Welcome
by Dr. Jane Disney
- 9:00** Student presentations with
Q& A session
- 9:30** Poster Session/ Snack
- 9:45** Presentation: College of
the Atlantic's mudflat pH
testing and clam surveys
- 10:15** Field Studies: Mud pH
testing and clam survey
- 11:15** Cleanup/ Data comparisons
- 11:30** Lunch
- 12:15** State Representative
presents Ocean Acidification
legislation
- 12:45** Student commissioners
break-out groups
- 1:15** Commissions' presentations
- 1:30** Letter drafting and signing
- 1:45** Closing celebration
- 2:00** Return to schools

The symposium is sponsored by the Mount
Desert Island Biological Laboratory

Ocean Acidification Commission

On April 30, LD 1602, "Establishing the Commission To Study the Effects of Ocean Acidification and Its Potential Effects on Commercial Shellfish Harvested and Grown along the Maine Coast" became law.

The commission on ocean acidification will consist of eleven members: one public member appointed by the governor; a member of the Senate; a member of the House of Representatives; a member of an environmental advocacy group; an aquaculturist; a commercial fisherman; a chemical oceanographer; a physical oceanographer; a marine biologist or biological oceanographer; a representative from the Department of Marine Resources; and a representative from the Department of Environmental Protection.

It will study ocean acidification (OA) and its effect on commercially harvested and grown shellfish along the coast of Maine including: the factors driving OA; how to mitigate OA; how to strengthen the scientific monitoring, research and analysis of OA causes and trends; and what actions are necessary to protect commercially valuable shellfish species and the state aquaculture industry. The commission will report its findings and make recommendations to the joint standing committee on marine resources by Nov. 5, 2014.

Students as Commissioners

Students will learn from a state representative about LD 1602, the public hearing process and the work the commission will be doing in the coming months.

They will then work in small groups to brainstorm ideas of what they think should be included in the commission's report. Each break-out group will present their recommendations to the larger group for discussion. The recommendations will be drafted into a letter which the students will then sign and send to the newly formed Ocean Acidification Commission.



Former Bar Harbor Planning Director Anne Krieg discusses bay planning with students at the 2011 Student Symposium.