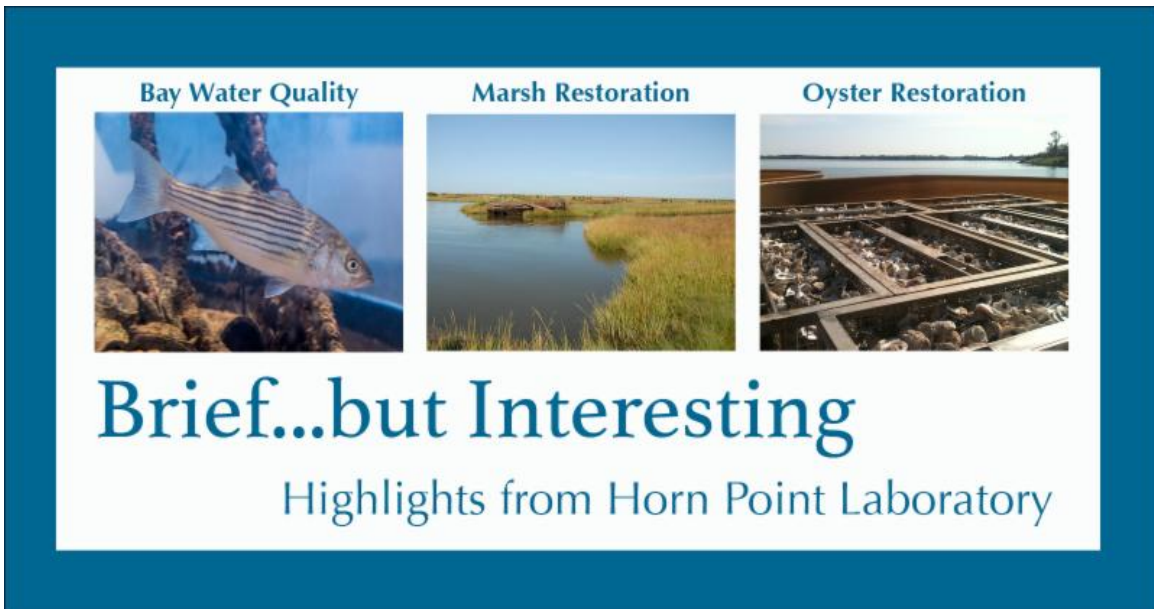


July 2019



- Low Bay salinity hampers oyster production
- Grad Students travel for more learning
- Upcoming events



Horn Point Lab's oyster hatchery manager Stephanie Tobash Alexander adds salt to a mass larvae tank at the Cambridge, MD, facility. Water from the nearby Choptank River is filtered and pumped into the tanks but lower salinity has caused problems with oyster reproduction recently. (Dave Harp)

## Oyster hatcheries struggling as lower Bay

# salinity hampers production

If the trend of wetter winters and springs persists, aquaculture industry and restoration efforts will have to adapt. Producing billions of baby oysters is technical stuff. At the Horn Point Lab oyster hatchery, it takes thousands of parent oysters, massive water tanks, an algae greenhouse, computer-controlled feeding equipment, a brigade of interns, and salt.  
Bay Journal - Jeremy Cox

[LEARN MORE](#)

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## Grad students use travel awards to broaden their knowledge and network with scientists



"Some new friends and hopefully future colleagues." Lexy, 4th from right, and classmates share notes at a Seattle pub.

Graduate student, [Lexy McCarty](#), traveled to Seattle to attend a week of the Summer Institute in Statistical Genetics (SISG) summer modules at the University of Washington. What she learned will have direct impact on her thesis work in oyster genetics and their adapting to lower salinity. Lexy shares her insights on expanding her knowledge:

"I learned how diverse the field of quantitative genetics is and, while we all study different organisms, from corn to oysters, the methods and theory we apply to our research is all the same. The professors are some of the top in the field and were incredible at explaining such complex concepts. I hope to go back next year and take different modules to continue increasing my knowledge. The past week was one of the most rigorous yet rewarding weeks of my life." This experience was made possible by scholarships from the SISG and The Izaak Walton League Mid-Shore Chapter. *Lexy McCarty, graduate student at HPL*



PhD Student, [Anna Windle](#), attended a Satellite Remote Sensing Course at Cornell University. "The highly methods-oriented course is designed to teach students how to acquire, analyze, and visualize satellite imagery from different sensors. The course broadened my knowledge of past, current, and future satellite missions and provided me with a solid understanding and timeline of the optical oceanography field....The course surpassed my expectations, allowing me to dive deeper into my research questions than before." Anna's experience was funded through OCB (Ocean Carbon and Biogeochemistry) and the Ryan Saba Memorial Student Fund. [SEE MORE](#)

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## Upcoming Events

Impacts best management

Save the Date!!

practices have on  
water quality

### *People Land Water*

#### Review of a 6 year study

A meeting to review 6 years of data gathered to evaluate the impact of best management practices implemented by farmers to improve water quality.

[Learn more](#)

Friday, August 9

1 to 5 pm

Free and open to the public  
Caroline County government offices,  
Denton, MD

Questions contact Anne at 410-221-8238 or [abgust@umces.edu](mailto:abgust@umces.edu)

[Register here](#)

## HPL OPEN HOUSE

### *Dive into Science*

*See the Bay the Horn Point Way*

Saturday, October 12

11 to 4 pm

Free and Open to the public

The best day of the year to learn about the science of the Bay. Everyone at the lab is on deck to explain their research with activities and displays that make science fun and easy to understand.

[Learn More](#)

### Other Events - connecting science with the environment

#### Talbot County Free Library

Author Reading: *Chesapeake Requiem: A Year with the Watermen of Vanishing Tangier Island*

Thursday, August 8, 6:00 p.m.  
Author Earl Swift reads from and discusses his "Best Book of the Year" account of Tangier Island.

[MORE](#)

#### Summer Reading

Add to your stack the  
One Maryland book for 2019

What the Eyes Don't See: A Story of Crisis, Resistance, and Hope in an American City

by Mona Hanna-Attisha  
Check out at your local County Library

We hope you are enjoying summer and all of the outdoor activities available on the Shore. We will be out in the field in August and look forward to sharing more Brief but Interesting news with you in September.

## SUPPORT SCIENCE

[DONATE](#)



With ongoing research programs spanning from the estuarine waters of the Chesapeake Bay to the open waters of the world's oceans, Horn Point is a national leader in applying environmental research and discovery to solve society's most pressing environmental problems.

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