



Bay Water Quality      Marsh Restoration      Oyster Restoration

## Brief...but Interesting

Highlights from Horn Point Laboratory

**Bringing Up Baby Oysters**  
**Visiting Poplar Island • Next Steps for Recent Grads**  
**Upcoming Events**



## Bringing Up Baby Oysters

With the wettest winter on record salinity is down in the Chesapeake Bay and its tributaries which could pose a serious challenge for oysters. Oysters spawn when waters warm and lower than normal salinity levels may add additional stress. The HPL Oyster Hatchery uses water from the Choptank River to support activities with broodstock conditioning, spawning, larval and algal production. Hatchery staff are exploring ways to modify salinity to assist the broodstock oysters in their conditioning journey. We are ready to get the 2019 production season underway!



## Visiting Poplar Island

Poplar Island, a restoration project in the Chesapeake Bay, is recognizing many successes. Through a partnership between the Maryland Department of Transportation, Maryland Port Administration and the U.S. Army Corps of Engineers, the historic island, which was reduced to just a few acres due to erosion and sea level rise, is being reconstructed through the beneficial reuse of dredged material. When complete, Poplar Island will provide over 1,700 acres of wildlife habitat while serving as a placement site for dredged material from shipping channels approaching the Port of Baltimore. Lorie Staver, HPL Associate Research Scientist, has been monitoring the ecological development of the tidal marshes on Poplar Island as the Chesapeake Bay restoration project continues. Lorie shares her observations on the island restoration and about the Horn Point Lab/ UMCES role in the project during a tour of the island.

Make a reservation to visit Poplar Island [Here](#).

## Spotlight on Graduating Students

### Next Steps for Recent Grads



**Maureen Brooks** studied how physics and biology control the distribution of Sargassum in the Atlantic Ocean.  
PhD



**Melanie Jackson** studied the role oysters play in improving the water quality of the Chesapeake Bay.  
PhD



**Blake Clark** focused his research on carbon cycling in Chesapeake Bay marshes.  
PhD  
Currently a post-



**Emily Russ** analyzed the fate of sediments released from the Conowingo Dam.  
PhD  
Currently completing

Currently completing a fellowship with the US Navy as an Interagency and International Policy Liaison.

Currently completing a fellowship with NOAA Office of Legislative and Intergovernmental Affairs.

doctoral fellow at NASA studying how climate change will affect carbon exchange between land and water in the Arctic.

a fellowship at the US Army Corps of Engineers Engineering Research and Development Center.

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## Upcoming Events

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### Chesapeake Champion 2019 Hutchison Brothers

Thursday, May 30, 2019  
Cocktail Reception 5 to 7 pm  
Waterfowl Building, Easton  
Tickets \$50 - Sponsorships Available  
[PURCHASE HERE](#)



The Horn Point Laboratory annually honors an individual or business whose activities demonstrate a commitment to respect and promote wise stewardship of land, water, and wildlife.

This year we celebrate the Hutchison Brothers for restoring water quality and soil health through sustainable agriculture.

[Learn More](#)

The Hutchison Brothers managing the family farm business today.  
Left to Right: Kyle (Richards' son),

David, Richard, Bobby, and Travis (Bobby's son)

### eARTh Day Extravaganza! with the Art Academy Museum and the Horn Point Lab

Saturday, April 13, 2019 10:00 - 1:00 Art Academy Museum  
106 South St. Easton.

[Please register here](#)

### Science After Hours with HPL

Professor Tom Fisher presents:

*"Good news for the Choptank - Improving water quality in the estuary!"*

April 29, 2019 6:30pm to 7:30pm  
Easton Branch of Talbot Public Library  
Free

[Learn More Here and Register](#)

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### Other Events - connecting science with the environment

Talbot County Free Library lecture with Paul Spitzer - Dark of the Loon

Monday, April 1 [Register](#)

**Rock the Block Community Clean Up, Cambridge**

Saturday, April 13 [Register](#)

**ESLC Annual Planning Conference: Congestion Ahead, Rerouting...**

Thursday, April 18 [Register](#)

**CBF Book Group**

Thursday, April 25 [Register](#)

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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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