



Bay Water Quality **Marsh Restoration** **Oyster Restoration**

Brief...but Interesting

Highlights from Horn Point Laboratory

**Researchers revisit the Indian Ocean •
HPL connects school-age kids with science •
Chesapeake Champion - Last Call & Upcoming events**



32 Days on the Indian Ocean exploring climate change

Biological Oceanographer and HPL Professor, [Raleigh Hood](#), is part of an international crew of 40 marine scientists and technicians who will recreate a journey made 60 years ago across the largest body on earth, the Indian Ocean. Their mission is to gather data on climate change. “We are all aware of the potential negative consequences of global warming and warming of the oceans. The Indian Ocean seems to be accumulating heat

faster than the other ocean basins," said Hood. "We look at it as a canary in the coal mine in terms of how ocean ecology and chemistry might be impacted by warming and acidification."

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Students master tablets used to fly drones and create code for their flight patterns .



Water quality sampling at HPL's canoe basin.

Dorchester students lift off with drone technology

The Horn Point Laboratory (HPL) hosted Dorchester County high school students to explore remote sensing technology with UMCES PhD student [Anna Windle](#) and partner, [ShoreRivers](#). Drone technology provided students a hands-on experience that replicates the innovative research of scientists in our own watershed. Using drones and programming training, students were able to manually and autonomously fly drones to capture aerial images over an enlarged map of Cambridge Creek and North Dorchester High School.

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6th Grade students discover the collectively mightiest of organisms - plankton!



For the second year, Horn Point Laboratory hosted over 60 Talbot County 6th grade Gifted and Talented students. All shared a day exploring the collectively mightiest of organisms - plankton. Plankton are key to the entire food chain, microscopic to human. Student teams built plankton catching remotely operated vehicles (ROV), investigated the role of many species of plankton in the Chesapeake Bay, and had individual and small group conversations with world renowned oceanographers. Scientists from UMCES - Horn Point Laboratory, NOAA- Oxford Md. Lab, CES at Washington College, and other community education outreach programs contributed their expertise on the world of plankton. Colin Stebbins heads the Gifted and Talented program for the Talbot County Public Schools and was instrumental in establishing this partnership.

LEARN MORE Visit [National Geographic's Open Explorer](#) website to delve deeper into the Gifted and Talented student's journey into the world of applied science.

Upcoming Events

Chesapeake Champion 2019 - Hutchison Brothers



JOIN US !

Thursday, May 30, 2019
Cocktail Reception 5 to 7 pm
Waterfowl Building, Easton
Tickets \$50 - Sponsorships
Available

[PURCHASE HERE](#)

Tickets are going fast! The 7th Annual Chesapeake Champion celebration is set to be another fantastic event. 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 innovative, sustainable agricultural practices. Join us May 30th for a fitting celebration!

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Bobby Hutchison driving one of their farming operation's many tractors on the home farm lane.

Science Bytes

Professor Victoria Coles

Changing Chesapeake: What's in store for the Eastern Shore"
A conversation on Climate Change using data from the past century.

July 18, 2019 6:30pm to 7:30pm

Piazza Italian Market
218 N Washington St, Easton, MD 21601
\$25 - per person

Sip, Taste, and Learn

Contact Carin Starr to register, 410-221-8408 or cstarr@umces.edu

Other Events - connecting science with the environment



Eastern Shore Land Conservancy
Land Jam

June 1

Leigh Family Farm, Betterton MD

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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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