

February 2020

Bay Water Quality



Marsh Restoration



Oyster Restoration



Brief...but Interesting

Highlights from Horn Point Laboratory

Located in Cambridge, MD, Horn Point Laboratory is part of the University of Maryland Center for Environmental Science -- a fully-accredited graduate school and research facility conducting environmental research on a variety of ecosystems. From dealing with the effects of climate change to oyster restoration and other science-based efforts that lead to a healthier Chesapeake Bay, **Horn Point Laboratory IS environmental science.**



In just over two minutes, learn what broodstock are and why oyster restoration wouldn't be possible without them.

BROODSTOCK: THE UNSUNG HEROES OF AN

OYSTER HATCHERY

At Horn Point Laboratory's oyster hatchery, winter is synonymous with one thing: broodstock. If the oyster hatchery process were broken down into phases, broodstock would be the first, beginning in January of every year and lasting through August. What exactly is broodstock, you ask? [READ MORE](#)



Horn Point Laboratory Oceanographer Ming Li will lead the coalition-based initiative called Estuarine CoPe RCN, studying the impact of storms, sea-level rise, and climate change on estuaries and bays.

UMCES-LED COALITION TO STUDY CLIMATE IMPACT ON BAYS, ESTUARIES

UMCES has been awarded a \$500,000 grant by the National Science Foundation (NSF) to lead a coalition of scientists from around the country to study the impact of storms, sea-level rise, and climate change on estuaries and bays. This national Research Coordination Network (RCN), part of NSF's new initiative on People and Coasts (CoPe), will synthesize insights from existing coastal resiliency projects around the country and propose bold new strategies that integrate ecosystem enhancement and recovery to protect coastal communities and infrastructure. [READ MORE](#)



SCIENCE BYTES: THE ROLE OF PLANKTON IN UNDERSTANDING CLIMATE CHANGE WITH JAMIE PIERSON

Get to know the scientist behind the science! HPL invites you for **Science Bytes** - a witty, interactive offering where one can learn, sip, and taste. Join us Thursday, March 26 from 6 to 7:30 pm at [Piazza Italian Market](#) in Easton as HPL Director Mike Roman and Associate Professor Jamie Pierson discuss Jamie's plankton research and its impact on understanding climate change. Mingle with old friends and new acquaintances in this casual setting as you savor wine, beer, and antipasto from Italy. [TICKETS](#)



OYSTERS AND PLASTIC WASTE: A CHAT WITH HPL'S CHRISTINE KNAUSS

In a recent *Talbot Spy* chat with HPL Graduate Research Assistant Christine Knauss, she outlines her motivation for studying the impact of plastic microbeads on oysters, and specifically, the young larvae (babies) that must cope with ingesting the material as they begin their life cycle. She also summarizes her early findings, which will ultimately be used to complete her Ph.D. degree. [WATCH VIDEO](#)

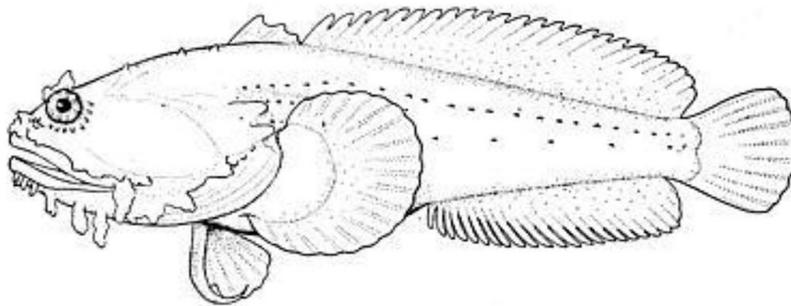
LOOKING FOR SOMETHING FOR YOUR KIDS TO DO SUMMER 2020?

TOADFISH ADVENTURES Activities Include:

Canoeing, fishing/seining, marsh mucking, extreme wading, field games, arts and crafts, oyster hatchery tour, Lil Nippers oyster tonging activity, nautical knot tying, scavenger hunt, tie-dye, geocache/map & compass, bug collection and identification, Native American studies, oyster dissection, hiking, and shell bagging/oyster cage building.

NEW August 10-14 WEEK 1 – “Counselors in Training” 14-17 years old
August 17-21 WEEK 2 – Rising 1st graders to 9 years old
August 24-28 WEEK 3 – Students 10-13 years old

TOADFISH ADVENTURES is returning to UMCES Horn Point Laboratory in August 2020 and is open to children of family and friends of Faculty, Staff, and Students of HPL! For more info contact Bryan Gomes bgomes@umces.edu



TIME TO SCHEDULE SUMMER CAMP! TOADFISH ADVENTURES RETURNS TO HPL AUGUST 2020

Toadfish Adventures is returning to UMCES Horn Point Laboratory in August 2020! This outdoor educational camp is open to children of family and friends of faculty, staff, and students of HPL. Activities include canoeing, fishing/seining, marsh mucking, extreme wading, field games, arts and crafts, oyster hatchery tours, & much more. For more info, [email Bryan Gomes](#).

OTHER EVENTS that connect science with the environment...



SAVE THE DATE:
2020 CHESAPEAKE CHAMPION
5.21.20

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 Laboratory is a national leader in applying environmental research and discovery to solve society's most pressing environmental problems.

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CENTER FOR ENVIRONMENTAL SCIENCE
HORN POINT LABORATORY