

Lab Lines

DECEMBER 2016

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FROM THE DIRECTOR

It is perhaps an overused phrase, but we are facing a period of great change – with presidential transitions occurring nationally and within UMCES. With change comes inevitable uncertainty. But, as I said at the town hall meeting, I believe CBL is remarkably well positioned to face both transitions with confidence and to emerge, I believe, as a stronger institution. I say this not just because I am an eternal optimist – which I am – but because I truly believe that the portfolio of research that we conduct, and the skilled workforce that we train will be as critical to meeting UMCES’ mission and to provide the science that the nation will need.

The recent presidential campaign that has just been completed was extremely fractious and partisan, and many of the soundbites and policies suggested during the campaign raised concerns among many. I want to assure everyone that I am committed to working to ensure that CBL remains as open and welcoming and respects all members of our community.

MERC

The MERC barge has just completed a season (March - November) of testing ballast water management systems. This is the first year that MERC tested systems on the barge at all three different test sites with diverse salinities and plankton assemblages - Baltimore, MD, Sharptown, MD, and Little Creek, VA.

PUBLICATIONS

Hazen, E. L., Palacios, D. M., Forney, K. A., Howell, E. A., Becker, E., Hoover, A. L., Irvine, L., DeAngelis, M., Bograd, S. J., Mate, B. R. and **Bailey, H.** (2016), *WhaleWatch: a dynamic management tool for predicting blue whale density in the California Current*. Journal of Applied Ecology, doi:10.1111/1365-2664.12820 <http://www.britishecologicalsociety.org/press-release-new-forecast-tool-helps-ships-avoid-blue-whale-hotspots/>.

Rowe, C.L., Woodland, R.J., and Funck, S.A. (2017) in press. *Metabolic rates are elevated and influenced by maternal identity during the early, yolk-dependent, post-hatching period in an estuarine turtle, the diamondback terrapin (Malaclemys terrapin)*. Comparative Biochemistry and Physiology A doi: 10.1016/j.cbpa.2016.11.015.

Glandon, H., Michaelis, A., Politano, V., Alexander, S., Vlahovich, E., Reece, K., Koopman, H., Meritt, D., and Paynter, K. *Impact of environment and ontogeny on the relative fecundity and egg quality of female oysters (Crassostrea virginica) from four sites in northern Chesapeake Bay*. Journal Biological Bulletin, Volume 231. In press.

Jeremy Testa and Vyacheslav Lyubchich completed the annual review of the 2016 Chesapeake Bay summer hypoxia forecast, which is summarized on the UMCES Integration and Application Network (IAN) website: <http://ian.umces.edu/ecocheck/summer-review/chesapeake-bay/2016/>.

Secor, D.H., Houde, E.D., and Kellogg, L.L. In Press. *Estuarine retention and production of striped bass larvae: a mark recapture experiment*. ICES Journal of Marine Science.

Kerr, L.A., Cadrin, S.X., **Secor, D.H.**, and Taylor, N.G. In Press. *Modeling the implications of movement and life history uncertainty of Atlantic bluefin tuna on the mixed stock composition of the resource*. Canadian Journal of Fisheries and Aquatic Sciences.

WHO'S ON TRAVEL?



Chris Rowe presented a talk on November 7 to the Maryland Diamondback Terrapin Working Group in Annapolis, MD. Title: *Sea Level Rise and Critical Habitat for Diamondback Terrapins in Maryland*.

Helen Bailey attended and presented her team's research on passive acoustic monitoring for ambient noise and marine mammals in the Maryland Wind Energy Area at the Bureau of Ocean Energy Management (BOEM) Atlantic Ocean Energy and Mineral Science Forum in Sterling, VA, November 16-17, 2016.

Viacheslav Lyubchich traveled to Mexico on November 20 - 24 to give a presentation at the Statistics Symposium at CIMAT: <http://sime.eventos.cimat.mx/>.

Carys Mitchelmore traveled to Orlando, FL on November 5 - 11 to present a talk and poster at the Annual SETAC Meeting.

David Secor and Mike O'Brien traveled to Ocean City, MD on November 7 - 12 to monitor fish movement in and around a proposed wind energy area.

Ryan Woodland traveled to SERC in Edgewater, MD on November 7 to give a seminar titled: *Bottom up effects down under: the role of nutrients as drivers of ecological change in estuary food webs in Southeast Australia*.

Jackie Grebmeier traveled to Tromsø, Norway on November 14 - 18 for a Norwegian-sponsored workshop on Developing an Atlantic Distributed Biological Observatory.

Hali Kilbourne participated in a panel discussing sea level rise and climate change in Calvert County. The community discussion was organized by the Citizens Climate Lobby. A film about sea-level rise in Norfolk, VA by Diogo Feire entitled: *Facing the Surge* kicked off the panel discussion, which included Diogo Feire, Dr. Kilbourne and Calvert County Community Planner, Tay Harris.

Jackie Grebeier is currently in Vienna, Austria, November 29 - December 4 to give an invited presentation at the Arctic Traits Workshop being held in Vienna, Austria.

Lee Cooper traveled to Washington, DC to attend meetings at the Polar Research Board on November 17-18. He also traveled to Montreal on November 19 - 26 for a meeting of Board of Directors of the CCGS Amundsen Icebreaker.

Lora Harris traveled to Arlington, VA and Washington, DC to attend the NSF GOLD Leadership Workshop and sit on an NSF panel.

Jeremy Testa will make a presentation on December 6 entitled: *Altered phenology and long-term trends in the coupled biogeochemical cycles of Chesapeake Bay* at the Chesapeake Bay Program Scientific and Technical Advisory Committee's quarterly meeting.

Lora Harris, Jeremy Testa, and Zachary Gotthardt will participate in a community meeting in Pasadena, MD on December 8 with the Restore Rock Creek group to describe their Maryland Sea Grant-funded research on the Rock Creek aerators.

OUTREACH

Visitor Center

The Chesapeake Biological Laboratory Visitor Center will be open for extended hours during the Solomons Island Christmas Walk:

Friday, December 2nd: 9:30am - 8:30pm

Saturday, December 3rd: 9:00am - 9:00pm

Sunday, December 4th: 9:30 - 4:30pm

Following the Christmas Walk, the Visitor Center will be closed for the season. There will be no Friday Campus Tours while the Visitor Center is closed, however pre-arranged Group Tours are offered throughout the year.

Science for Citizens

The Science for Citizen seminar series is designed to engage members of the Solomons, Calvert, and Saint Mary's communities in learning about who we are here at CBL, what we do, and why it is important. The spring 2017 seminar series will take place at CBL on the following Tuesday evenings: March 28, April 04, April 11, April 18, and April 25.

CBL FACILITIES

Notice a problem? Office unusually cold/hot? Green slime oozing from the freezer? Sink dripping? We rely on everyone at CBL to make us aware of concerns immediately so we can check it out and take action. Reporting issues is easy. Dial x253 during business hours or x333 after hours for assistance.

Beaven Hall is "under construction" and the Business Office is temporarily located in Mansueti. Please avoid the former Business Office area as well as the Library area while we make the necessary improvements.

Honeywell System Control upgrades are underway in the Bernie Fowler Building and The Cronin Building. You might notice a fluctuation in building temperatures or moments of system "silence."

UPCOMING EVENTS



EMPLOYEE HOLIDAY PARTY: DECEMBER 16 - BFL 1101 - 1:00 P.M.

CBL will be closed December 26 through January 2 and will reopen January 3.

DISTINGUISHED SPEAKER SEMINAR SERIES

Dec. 7 Carys Mitchelmore, University of Maryland Center for Environmental Science, Chesapeake Biological Laboratory, Solomons. MD

Dec. 14 Laura Lapham, University of Maryland Center for Environmental Science, Chesapeake Biological Laboratory, Solomons, MD



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