

Lab Lines

AUGUST 2017

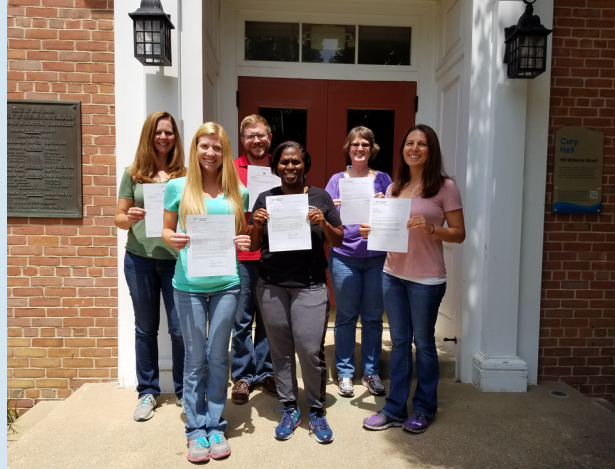
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Back row, left to right: Kim Blodnikar, Jerry Frank, and Nancy Kaumeyer. Front row, left to right: Ashley Cord, Adrience Capers, and Jaclyn Mantell. Not pictured: Ceana Hoburn

FEATURE ARTICLE

The Nutrient Analytical Services Laboratory (NASL) successfully completed the process to acquire national accreditation in July 2017. NASL has been recognized to be in compliance with the quality systems and analysis standards set forth by the National Environmental Accreditation Conference (NELAC), facilitated by the Environmental Laboratory Approval Program (ELAP) of the State of New York.

The accreditation process is lengthy, requiring review of all general laboratory practices as well as specific standard operating procedures. NASL documents were submitted to ELAP in November 2016. “Proficiency Testing” (PT) samples were analyzed on multiple occasions for each parameter for which NASL sought accreditation. All results were satisfactory. An on-site inspection was conducted by an ELAP representative in early April. Final approval of NASL was issued July 5, 2017.

This level of accreditation grants NASL access to a broader client base. Many states, such as New York, require all analytical work to be performed by a laboratory that is approved by that state’s accrediting body. Once laboratory certification is acquired at the national level most states grant reciprocity based on approval in other states, as long as the standards of the national body are maintained. NASL will now be able to acquire certification in other states as needed and thus be a viable provider of analytical services to a wider swath of the water quality monitoring and environmental research community.

Dr. Andrew Heyes received an award from Maryland Department of the Environment (June 30, 2017 to June 30, 2018). The title for this project is: *2017-2018 MDE Total Maximum Daily Load Project-PCB Analysis Middle River*.

Drs. Jeremy Testa, Dong Liang, and Lora Harris, received an award from the Maryland Department of Natural Resources (June 1, 2017 to May 31, 2018). The title for this project is: *Maryland Chesapeake Bay Water Quality Monitoring Program Ecosystems Processes Component*.

Drs. Jackie Grebmeier and Lee Cooper received an award from the National Science Foundation (September 1, 2017 to August 31, 2019). The title for this project is: *Collaboration Research: The Distributed Biological Observatory (DBO) - A Change Detection Array in the Pacific Arctic*.

Luek, J.L., Gonsior, M. 2017. *A Review of Organic Compounds in Hydraulic Fracturing Fluids and Wastewaters*. Water Research 123, 536-548. DOI:10.1016/j.watres.2017.07.012.

Wainger, L. A. McMurray, M. Paolisso, K. J. Johnson, and B. Needelman. 2017. *Coastal Community Values for Marsh-Dependent Socioecological Services Revealed through a Systematic Qualitative Approach*. Agricultural and Resource Economics Review: 1–27. doi:10.1017/age.2017.15.

FACILITIES

New & Improved!! Work Orders

We now have an interactive form available from our website to submit a request for services. If the sink is dripping, the door squeaks, lights need fixed, anything other than an immediate issue (like the toilet is overflowing) you can now submit it directly. You can also submit a work order directly to the IT department. The online form can be found on the UMCES website by clicking “My UMCES” the scrolling to the CBL page, or by following this link: www.umces.edu/cbl-forms. Please remember! If you have a critical issue, please call 410-326-7333 and report the situation for immediate response.

Mail & Delivery Changes Coming Soon!

- In anticipation of the upcoming closure of Mansueti during renovation, Trish Stebbing has moved to the Maintenance Building. You can find her office “straight ahead” when you enter the office doors
- Mid-August mailboxes will be moving to Nice Hall, first floor.
- Deliveries to campus will be routed to the Maintenance Building. You will be contacted as usual regarding deliveries for your lab/area.

Vehicles:

University vehicles need to be kept secure and/or in areas that we can monitor. If you reserve a campus vehicle, please:

- Return the car to the Maintenance Building if returning during business hours and turn the keys in to Trish or Brian.
- If returning after hours, please park the vehicle in the Truitt parking lot only – if you’ve used the Volt, plug it in. Please do not leave the keys in the vehicle. Keep the keys with you or take them to your office and turn them in the next day. We do not have key boxes on campus.
- Please remember it is your responsibility to pick up the keys prior to close of business (and returning them.) You are renting a vehicle, a quick stop at the “rental desk” is necessary.

DOLPHIN WATCH UPDATE

Chesapeake DolphinWatch now has over 1,000 users and over 500 sightings have been reported. Our photo of the week (attached) is by Tania Richardson Remaly from Point Lookout.



FACILITIES CONTINUED...

Laboratory Fume Hood Testing

Annual fume hood **testing** is scheduled for Monday, August 7 through Wednesday, August 9. Please make a note of this on your lab calendars.

New Equipment Ordering

Faculty: When placing orders for high power demand equipment, please consult with the Facilities team prior to ordering. Single-phase equipment is preferred. If 3-phase is the only option, please consult with us first to ensure we can accommodate it, or what changes we need to make prior to the arrival and set-up.

OUTREACH

Visitor Center

The Chesapeake Biological Laboratory Visitor Center offers guests the chance to explore exhibits highlighting the health of the Chesapeake Bay, ongoing research, and an oyster reef community aquarium. Visitors will discover who CBL scientist are, what they are researching, and why it is important. In August, the CBL Visitor Center will be open Wednesday - Sunday from 9:30am to 4:30pm. Free campus tours will be offered to the public on Fridays at 2:00 pm.

DEVELOPMENT

The Chesapeake Biological Laboratory will host an **Open House, Saturday, September 9, 2017** from 1:00 to 5:00 p.m. Dr. Miller has invited the public to “Come tour the campus, visit labs, learn about the work, and meet many of the researchers.” Exhibits and hands-on activities include: aquatic animal touch tanks, experiments on toxicology, dockside tours of the research vessel the Rachel Carson, driving an underwater robot, and a scientist selfie station. Children attending the Open House receive a passport and move through the different labs and experiments to have the passport stamped for prizes.

PLAY BALL

Volleyball is every Tuesday at 5:00 p.m., weather permitting.

Soccer pick up games are being held every Tuesday and Thursday on the fields behind the Ruddy Duck. If six people confirm to play by 5:00 on each of those days, a “game on” email will be sent out by Jacob Oster.

WHO'S ON TRAVEL



In July, Drs. Hali Kilbourne and Johan Schijf will return to the Florida Keys to conduct their biannual collection of seawater samples

and maintenance of underwater osmosamplers and live coral specimens, for their NSF Sr/Ca ratio project. We will be joined for the first time by new M.Sc. student Hunter Hughes, who is a certified rescue diver. They will also be accompanied by Huntingtown High School AP physics teacher Debbie Heyes (wife of Andrew), who will assist with sampling, perform video documentation, and use her experience to develop a lesson plan, as part of their NSF outreach commitment. Field and vessel support will be provided by the Keys Marine Laboratory in Layton, FL.”

Dr. Lora Harris traveled to Monterey, CA to attend a PI Meeting to draft a proposal for mobile working groups associated with NSF GOLD ASPIRE center funded on this grant number.

Dr. Hongsheng Bi traveled to Hong Kong to work on the back up optical zooplankton imaging system for the upcoming Bering Sea project.

Drs. Jackie Grebmeier and Lee Cooper along with Christina Leigh traveled to Dutch Harbor, AK to participate in the 2017 DBO projects on SWL 17 and AMBON17 research cruises.

Dr. David Secor will travel to Fort Lauderdale, FL to present on striped bass telemetry at ICES Annual Science Conference.

Dr. Helen Baily Olde will be traveling to Halifax, Canada in the fall to present results from the Maryland passive acoustic monitoring marine mammal project and chair a workshop on “Assessing the responses of marine mammals to anthropogenic acoustic disturbance” at the Society for Marine Mammalogy 2017 Biennial Conference.

Dr. Mario Tamburri traveled to Detroit, Michigan to attend a meeting with NSF and BWMS vendor.

Helen Bailey visited the NOAA/NMFS/SWFSC Environmental Research Division in Monterey, CA July 10 - 13 2017 to discuss results from their NOAA - funded loggerhead turtle project.

UPCOMING EVENTS



- CBL New Student Orientation and Boesch Bash
Thursday, August 24, 2017 - 3:00 to 7:00 p.m.
- Chesapeake Biological Laboratory Open House
Saturday, September 9, 2017 - 1:00 to 5:00 p.m.
- Waterman's Docking Festival
Saturday, September 17, 2017
- **A Sense of Wonder Fundraiser (A one woman show about the Rachel Carson)**
Saturday, November 4, 2017 - 8:00 p.m.
Solomons Holiday Inn, Solomons, MD

