
CURRICULUM VITAE

Lora A. Harris

Chesapeake Biological Laboratory

University of Maryland Center for Environmental Science

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I. Education

1998 B.A. Smith College
2006 Ph.D. University of Rhode Island

II. Professional Background

1998-2000 Environmental Educator, Alley Pond Environmental Center, NY
2000-2006 Doctoral Research; Allometry, Physiology, and Computer Simulation of
Eelgrass, *Zostera marina* L. Advisor: Dr. Scott Nixon
2003-2004 Technical Assistant, Rhode Island Sea Grant/CRC, Preparation of Special
Area Management Plan for Greenwich Bay, Rhode Island
2005-2007 Postdoctoral Scientist, Ecosystems Center, Marine Biological Laboratory,
Woods Hole, MA
2007-2015 Assistant Professor, Chesapeake Biological Laboratory, University of
Maryland Center for Environmental Science, Solomons, MD
2015- Associate Professor, Chesapeake Biological Laboratory, University of
Maryland Center for Environmental Science, Solomons, MD

III. Research

A. Areas of professional expertise

Coastal ecology, systems ecology, participatory research, theoretical ecology, ecosystem modeling, biogeochemistry, diversity and inclusion in geosciences (undergraduate, graduate, and leadership levels), scientific advising to management and policy

B. Peer-Reviewed Publications (past five years)

1. Papers in Refereed Journals

Harris, L.A. and M.J. Brush. 2012. Bridging the gap between empirical and mechanistic models of aquatic primary production with the metabolic theory of

- ecology: An example from estuarine ecosystems. *Ecological Modelling*. 233:83-89.
- Harris, L.** and M. Kemp. 2012. Obituary: Scott W. Nixon, 1943-2012. *Limnology and Oceanography Bulletin*. 21:88-89.
- Passeport, E., P. Vidon, K. J. Forshay, **L. Harris**, S.S. Kaushal, D. Q. Kellogg, J. Lazar, P. Mayer, E. K. Stander. 2013. Ecological engineering practices for the reduction of excess nitrogen in human-influenced landscapes: a guide for watershed managers. *Environmental Management*. 51:392-413.
- Pincin, J., M.J. Wilberg, **L. Harris**, A. Willey. 2014. Trends in abundance indices of fishes in Maryland's Coastal Bays during 1972-2009. *Estuaries and Coasts*. 37:791-800.
- Harris, L.A.**, C.L. Hodgkins, M.C. Day, D. Austin, J. Testa, W. Boynton, L. Van Der Tak, and N. Chen. 2015. Optimizing recovery of eutrophic estuaries: impact of destratification and re-aeration on nutrient and dissolved oxygen dynamics. *Ecological Engineering*. 75:470-483
- Ehrich, M.K. and **L.A. Harris**. 2015. A review and improvement of existing eastern oyster filtration rate models. *Ecological Modelling*. 297:201-212
- Neeley, A.R., S.W. Freeman, and **L.A. Harris**. 2015. Multi-method approach to quantify uncertainties in the measurements of light absorption by particles. *Optics Express*. 23.24: 31043-31058
- Cornwell, J.C., M.S. Owens, W.R. Boynton, and L.A. Harris. 2015. Sediment-Water Nitrogen Exchange along the Potomac River Estuarine Salinity Gradient. *Journal of Coastal Research*. 32:776-787
- Ganju, N.K., M.J. Brush, B. Rashleigh, A.L. Aretxabaleta, P. del Barrio, J.S. Gear, **L.A. Harris** et al. 2016. Progress and Challenges in Coupled Hydrodynamic-Ecological Estuarine Modeling. *Estuaries and Coasts*: 39:311-332
- Brush, M.J and **L.A. Harris**. 2016. Ecological Modeling, pp. 214-223 *In*: M. J. Kennish [ed.], *Encyclopedia of Estuaries*. Springer, New York.
- National Academies of Sciences, Engineering, and Medicine. 2016. Evaluation of the Predictive Ecological Model for the Edwards Aquifer Habitat Conservation Plan: An Interim Report as Part of Phase 2. Washington, DC: The National Academies Press. doi: 10.17226.23577.
- J.M. Testa, W.M. Kemp, **L.A. Harris**, R.J. Woodland, and W. R. Boynton. 2016. Challenges and Directions for the advancement of estuarine ecosystem science. *Ecosystems*. p. 1-9.

M.J. Pennino, S.S. Kaushal, S.N. Murthy, J.D. Blomquist, J.C. Cornwell, **L.A. Harris**. 2016. Sources and transformations of anthropogenic nitrogen along an urban river-estuarine continuum. *Biogeosciences*. 13: 6211-6228

National Academies of Sciences Engineering Medicine. In Press. Review of the Edwards Aquifer Habitat Conservation Plan: Report 2. Washington, DC: The National Academies Press. doi: 10.17226/23685

2. Technical Reports (*Final Reports only included, past five years*)

Harris, L., *M. Day, and C. Hodgkins. 2013. Rock Creek water quality monitoring results and aeration recommendations. CH2M Hill and Anne Arundel County.

Harris, L., D. Secor, H. Bi, and L. Wainger. 2014. An integrated ecosystem assessment of the Potomac River estuary. Maryland Sea Grant.

Harris, L. W. Boynton. 2015. Forecasting watershed loading and lagoon response along the Delmarva Peninsula due to changing landuse and climate. Maryland Sea Grant.

Hodgkins, C.L.S., M.C. Day, J.L. Humphrey, **L.A. Harris**, J.M. Testa, W.R. Boynton. 2015. 2014 Water Quality Monitoring Program for Tidal Creeks in Calvert County, Maryland. Calvert County Board of County Commissioners.

Testa, J.M., **L.A. Harris**, W.R. Boynton, C.L.S. Hodgkins, J.L. Humphrey, M.C. Day. 2015. Maryland Chesapeake Bay Water Quality Monitoring Program Ecosystems Processes Component FY2015.

Harris, L.A., M. Day, C. Hodgkins. 2016. Rock Creek 2015 Water Quality Monitoring Results. Prepared for Anne Arundel County Department of Public Works.

Hodgkins, C.L.S., M.C. Day, J. L. Humphrey, S. Shahrestani, **L.A. Harris**, J. M. Testa, W.R. Boynton. 2016. 2015 Water Quality Monitoring Program for Tidal Creeks in Calvert County, Maryland. Prepared for the Calvert County BOCC.

M. Day and **L.A. Harris**. 2016. Monitoring in Support of the Cove Point Marsh Restoration. Prepared for Dominion LNG.

Testa, J.M., **L.A. Harris**, W.R. Boynton, C.L.S. Hodgkins, J.L. Humphrey, M.C. Day, and D. Liang. 2016. Ecosystem Processes Component (EPC). Maryland Chesapeake Bay Water Quality Monitoring Program, Level 1 report No. 33. Jul. 1984 – Dec. 2015.

Harris, L.A., T. Fisher, J. Hagy, D. Liang, M. Sutula. 2016. Scientific and Technical Advisory Committee Peer Review for the James River Chlorophyll-a Criteria Re-evaluation. STAC Publication Number 16-007, Edgewater, MD. 41 pp. .

C. Contracts and Grants

1. Awarded (*past five years*)

Cooper, L.W., L.A. Harris, H.R. Harvey, S. Kaushal, D.H. Secor. Acquisition of stable isotope mass spectrometry instrumentation for high latitude and marine applications at UMCES. National Science Foundation, 2010-2013, \$518,842. (Co-PI no salary).

Palmer, M., D. Secor, E. Houde, L.A. Harris. Sustaining coastal experimentation and observing systems in support of marine ecosystem and climate science. National Science Foundation, 2010-2013, \$1,702,622, (Co-PI, no salary).

Harris, L.A., C. Stevenson. Ecosystem restoration of Cove Point freshwater marsh. Dominion Cove Point LNG, 2010-2015, \$346,670, (Lead PI, 8.3% Time).

Liu, J., R. Harvey, A. Place, J. Schijf, R. Hill, L. Harris. Acquisition of a high resolution hybrid mass spectrometry system for the next generation of multidisciplinary environmental research, Graduate Education and Student Training. National Science Foundation, 2010-2013, \$580,000, (Co-PI, no salary).

Palmer, M., C. Welty, S. Filoso, L. Harris, M. McGuire, M. Williams. Integrating climate change into the restoration of the Chesapeake Bay watershed. NOAA Climate Program, 2010-2013, \$2,924,000 (*\$1,303,191 UMCES*). (Co-PI, 8.3% Time).

Secor, D.L. Harris, H. Bi, L. Wainger. Integrated ecosystem assessment of the Potomac River estuary. Maryland Sea Grant, 2011-2012, \$83,000 (Lead PI for more than half of the project, 8.3% Time).

Harris, L. and W.R Boynton. Rock Creek Water Quality Monitoring. CH2M Hill, 2011-2012, \$76,651, (Lead PI, 6.2% Time).

Harris, L. and W. R. Boynton. Forecasting the response of Delmarva lagoons to changing land use and climate: alternative stable states and recovery trajectories. Maryland Sea Grant (*Regional RFP*), 2012-2014, \$142,843 (Lead PI, 3.3% Time).

Harris, L.A., W.R. Boynton, J. Cornwell, C. Palinkas. Measurement of sedimentation rates and nutrient burial in the Potomac estuary and continued support of monthly monitoring. District of Columbia Water and Sewer Authority, 2012, \$76,348 (Lead PI, % Time).

Bryan, J. and L. Harris. Evaluating the potential impact of sea level rise and changed inundation on wild rice, *Zizania aquatica*, in the Maryland Chesapeake Bay. NOAA – National Estuarine Research Reserve: *FELLOWSHIP FOR STUDENT Jennifer Bryan*. 2012-2014. \$40,000 (Lead PI as advisor of student Jennifer Bryan, no salary).

Harris, L. Forecasting watershed loading and lagoon response – participatory modeling workshops. 2014-2015. MD Sea Grant. \$2,000 (Lead PI, 0% Time).

Harris, L. J. Testa, L. Sanford, E. North. Natural engineers in ecosystem restoration: modeling oyster reef impacts on particle removal and nutrient cycling. 2014-2017. NCBO. \$428,142 (Lead PI, 14% Time).

Testa, J., L. Harris, W. Boynton. Maryland Chesapeake Bay Water Quality Monitoring Program – Ecosystems Processes Component. Maryland Department of Natural Resources, 2014-2015, \$125,000. (Co-PI, 8.3% Time).

Harris, L., J. Testa, W. Boynton. 2014. Water Quality Monitoring Program for Tidal Creeks in Calvert County. Calvert County, 2014-2015. \$27,850. (Lead PI, 0% Time)

Harris, L. Rock Creek Water Quality Monitoring, Public Outreach, and Analysis of Nutrient Limitation. Anne Arundel County, 2015-2016. \$34,875. (Lead PI, 1% Time)

Moser, F., M. Allen, J. Pierson, L. Harris. Collaborative Research: Getting It Right: A Strategic Plannign Workshop to Develop a Sustainable Pathway for Educating Underrepresented and Underserved Puerto Rican Students in Geosciences. NSF, \$1000 (Co-PI, 1% Time.)

Harris, L., J. Testa, W. Boynton. 2015 Water Quality Monitoring Program for Tidal Creeks in Calvert County. Calvert County, 2015-2016. \$30,515. (Lead PI, 1% Time)

Testa, J., L. Harris. Campbell Foundation Phosphorus Loading in Coastal Plain. Keith Campbell Foundation, 2015-2016. \$15,000 (Co-PI, 0% Time).

Testa, J., L. Harris, W.R. Boynton. Maryland Chesapeake Bay Water Quality Monitoring Program Ecosystem Processes Component. MD DNR, 2015-2016. \$125,000 (Co-PI, 6% Time).

Harris, L., R. Woodland, L. Lapham, M. Gonsior, L. Cooper, J. Testa, J. Pierson. Rapid Response Sampling of Chesapeake Bay for 2015 Nor'easter and Hurricane Joaquin Event. NOAA, 2015-2016, \$28,210 (Lead PI, 0% Time).

Harris, L. Technical Analysis and Programmatic Evaluation Support for Chesapeake Bay Program: Potomac ITAT Synthesis. EPA, \$4,410 (Lead PI, 0% Time).

Harris, L., J. Testa. Quantifying changes to nutrient cycling and nitrogen removal in an estuary as a consequence of aeration. NOAA. 2016-2018. \$147,002 (Lead PI, 13% Time).

Gonsior, M., A. Heyes, L. Harris. Tracking Septic System Performance by using Innovative Mass Spectrometric Approaches and Traditional Nutrient Measurements. NOAA. 2016-2018. \$139,978 (Co-PI, 4% Time)

Harris, L. Ecosystem Restoration of Cove Point Freshwater Marsh. Dominion LNG. 2015-2020. \$599,954 (Lead PI, 8% Time)

Harris, L., J. Testa, J. Frank. Support of Stormwater Sampling in St. Mary's County, MD. St. Mary's County. 2016. \$4,678 (Lead PI, 0% Time).

Harris, L., J. Testa, W. Boynton. 2015 Water Quality Monitoring Program for the Mill Creek Estuary and Calvert Creeks. Calvert County. 2016-2017. \$30,515 (Lead PI, 1.5% Time)

Moser, F., L. Harris, J. Pierson. GP-IMPACT: Pathways TO RENEW: Tropical Oceanography Research Experiences for the Next-Generation Workforce. NSF. 2016-2019. \$36,410 (Co-PI, 8% Time).

Testa, J., L. Harris, T. Miller. Enhancing the capabilities and integration of a long-term marine biological monitoring program. NSF. 2016-2017. \$132,831 (Co-PI, 0% Time)

Harris, L. Collaborative Research: Active Societal Participation in Research and Education: ASPIRE. NSF. 2016-2019. \$22,412 (PI, 4% Time).

Lyubchich, S., D. Liang, J. Testa, L. Harris. Optimizing Sampling Frequency and Monitoring Design for BMPs on Water Restoration. CB Trust. 2016-2017. \$61,129 (Co-PI, 2% Time)

D. Invited Seminars (†) and Presentations since 2012 (CBL/REU students = *)

†Harris, L.A. 2012. Watershed Science in Parkers Creek, American Chestnut Land Trust Annual Membership Meeting, Prince Frederick, 2012.

†Harris, L.A. and W. B. Boynton. 2012. A missing modeled habitat: The role of wetlands at the land-water interface of the Chesapeake Bay and some suggestions for modeling approaches. Chesapeake Modeling Symposium, Annapolis, 2012.

*Niesen, M. and L.A. Harris. 2012. *Microcystis* bloom in the upper Potomac river estuary 2011. AERS, Chincoteague, 2012.

*Forsyth, M.K. and L.A. Harris. 2012. Investigations of the effects of oyster morphology on filtration rate and particle capture using a hybrid ecosystem individual-based model. AERS, Chincoteague, 2012.

- †*Niesen, M. and L.A. Harris. 2012. *Microcystis* bloom in the upper Potomac river estuary 2011. Chesapeake Bay Harmful Algal Bloom Workgroup, Annapolis, MD. 2012.
- †Harris, L.A., M.C. Day, C.S. Sperling-Hodgkins. 2012. Results of Rock Creek Water Quality Monitoring. Rock Creek Watershed Community Meeting, Pasadena, MD 2012.
- Day, M.C., L.A. Harris, C. L.S. Hodgkins, *E. Gravens. 2012. Suspended sediment export from Parkers Creek watershed; a heavily forested area with a tidally influenced creek. Maryland Water Monitoring Council Annual Conference, Linthicum, 2012.
- *Bryan, J. and L.A. Harris. 2012. Evaluating the potential impact of sea level rise and changed inundation on wild rice, *Zizania aquatica*, in Jug Bay wetlands Sanctuary, Maryland. AGU Chapman Conference on Hydrogeomorphic Feedbacks and Sea Level Rise in Tidal Freshwater River Ecosystems. Reston, 2012.
- Cornwell, J.C., M. Owens, C. Stevenson, L. Harris, W. Boynton. 2012. Nitrogen retention in mid-Atlantic freshwater tidal ecosystems: the role of bottom sediments and tidal wetlands. AGU Chapman Conference on Hydrogeomorphic Feedbacks and Sea Level Rise in Tidal Freshwater River Ecosystems. Reston, 2012.
- *Figuroa, Y., J. Bryan, L. Harris. 2012. The effects of plant density on the morphological and biomechanical properties of a tidal wetland macrophyte, *Zizania aquatica*. SACNAS Annual Meeting, Seattle, 2012. *Awarded Best Undergraduate Poster
- †*Niesen, M. and L. Harris. 2012. Review of the Algae Encouragement Index. Maryland Harmful Algal Bloom Taskforce Meeting. Annapolis, MD.
- Montoya-Ospina, R., P. Maldonado, D. Gomez, L. Fuentes, G. Infante, L. Harris, J. Cornwell, J. Pierson, F. Moser. 2013. Connecting undergraduate science disciplines through marine science research at bioluminescent bays in Puerto Rico, a pilot REU. ASLO, New Orleans.
- *Niesen, M. and L. Harris. 2013. Phytoplankton community composition in the Potomac River Estuary. ASLO, New Orleans.
- Harris, L. and *J. Bryan 2013. The role of autecology in tidal wetland models. ASLO, New Orleans.
- *Tirado, A., *Z. Perez, *L. Laboy, *L. Fuente, L. Harris. 2013. Primary productivity at bioluminescent lagoons in Puerto Rico. ASLO, New Orleans.

- *Forsyth, M.K. L.A. Harris. 2013. Investigations of the effects of oyster morphology on filtration rate and particle capture using a hybrid ecosystem individual-based model. ASLO, New Orleans.
- †Harris, L. and *J. Foley. 2013. Botanical influences in the work of Scott W. Nixon. First annual “Science Worth Noticing” (SWN) Symposium, Narragansett.
- †Day, M. and L. Harris. 2013. Update on stream sampling in southern Maryland. Maryland Water Monitoring Meeting. USGS.
- †Harris, L. 2013. Biomechanical plasticity and constraints in wetland emergent vegetation. Linking hydrodynamic and ecological models in estuaries: a workshop to discuss recent advances and approaches. USGS Woods Hole.
- †*Forsyth, M. and L. Harris. 2013. Investigations of the effects of oyster morphology on filtration rate and particle capture using a hybrid ecosystem individual-based model. Linking hydrodynamic and ecological models in estuaries: a workshop to discuss recent advances and approaches. USGS Woods Hole.
- Harris, L., C. Hodgkins, W. Boynton, N. Chen, M. Day. 2013. Optimizing Estuaries. CERF, San Diego.
- *Bryan, J., L. Harris, N. Weston. 2013. Morphological changes and sediment capture potential of *Zizania aquatica* under experimental inundation treatments. CERF, San Diego.
- *Foley, J. and L. Harris. The effects of local environmental conditions on the specific growth rates of eelgrass seedlings and seed germination. CERF, San Diego.
- *Foley, J. and L. Harris. 2014. Modeling *Zostera marina* in the Delmarva Coastal Lagoons. AERS, Ocean City.
- †Harris, L., J. Cornwell, M. Owens, W. Boynton, M. Pennino. 2014. Changing nutrient budgets in an urban estuary. 1st International Workshop on Urbanization in Watersheds: Ecological and Environmental Responses, Xiamen, China.
- †Harris, L. 2014. The role of autecology in ecosystems science. VIMS Seminar Series. Gloucester Point, VA.
- Harris, L., J. Testa, W. Boynton, C. Hodgkins, M. Day. 2015. Solomons Harbor and Tidal Creeks 2015 Monitoring. Calvert County Board of County Commissioners, Prince Frederick.
- †Harris, L. 2015. Monitoring the Tidal Patuxent. PAXCON, Jug Bay Wetland Sanctuary.

- Hodgkins, C., L. Harris, W. Boynton, J. Testa, M. Day. 2015. A small estuarine system “on the edge”: watershed development vs water quality conditions. CERF, Portland.
- Moser, F., R. Montoya, P. Maldonado, L. Harris, J. Pierson, J. Alvarez. 2015. Can research experiences for early stage Hispanic undergraduates increase their success in marine science? CERF, Portland.
- Harris, L. W. Boynton, J. Cornwell, M. Pennino, C. Hodgkins, C. Palinkas, M. Day, M. Owens, J. Testa. 2015. Changing nutrient budgets for an urban estuary. CERF, Portland.
- *Foley, J. and L. Harris. 2015. Evaluating the effects of climate change on the reproductive phenology of Eelgrass (*Zostera marina* L.). CERF, Portland.
- *Neeley, A. and L. Harris. 2015. Evaluation of two bio-optical models for discriminating phytoplankton functional types in the Chukchi Sea. CERF, Portland.
- *Alvarez, J., L. Harris, J. Pierson. 2015. Leveraging available data to decipher the drivers of bioluminescent lagoons in Puerto Rico. CERF, Portland.
- *Day, M., A. Moore, J. Kames, E. Long, L. Harris, Casey Hodgkins. 2015. SMILE on Parkers Creek: Seasonal box model of low-impacted western shore Chesapeake Bay sub-estuary. CERF, Portland.
- Moser, F., M. Allen, R. Montoya, P. Maldonado, M. Barabena, C. Olivios, L. Harris, J. Pierson, J. Alvarez. 2015. Mentoring undergraduate students in estuarine research experiences: different strokes for different folks. AGU, San Francisco.
- †Harris, L., M. Day, C. Hodgkins. 2015. Rock Creek Monitoring Update. Restore Rock Creek, Pasadena, MD.
- Harris, L., R. Woodland, L. Lapham, M. Gonsior, L. Cooper, J. Testa, and J. Pierson. 2016. Rapid response storm sampling for the October 2015 Nor’easter and Hurricane Joaquin. AERS. Norfolk, VA.
- Harris, L. M. J. Brush, J. York. 2016. Management Informed Development of the Delmarva Modeling Suite. ISEM. Baltimore, MD.
- †Harris, L. Estuarine Ecological Discovery in the Anthropocene. 2016. Improving Basic Science through opportunities in Applied Research. NEERS. Block Island, RI.
- †Harris, L., *K. Kahover. Oysters and Water Quality. 2016. St. Mary’s River Watershed Association. St. Mary’s City, MD.

*Kahover, K., J. Testa, L. Harris, L. Sanford, E. North. 2016. A model of oyster reef nitrogen cycling. Chesapeake Modeling Symposium. Williamsburg, VA

D. Liang, J. Testa, L. Harris, W. Boynton. 2016. Leveraging a water quality model and monitoring data set to test sampling schemes that support evaluation of water quality criteria in Chesapeake Bay. Chesapeake Modeling Symposium. Williamsburg, VA

E. Symposia Organized/Chaired for Professional Meetings {past five years}

Co-Chair “Ecology of Coasts and Estuaries: Nutrients and Phytoplankton”. 2013. CERF, San Diego.

Co-Chair “Short and long-term impacts of urbanization in watersheds”. 2014. 1st International Workshop on Urbanization in Watersheds: Ecological and Environmental Responses, Xiamen, China.

Chair “Tidal Monitoring”. 2015. PAXCON, Jug Bay Wetlands Sanctuary.

Co-Chair “Ecological Modelling and Environmental Management” ISEM. Baltimore, MD.

F. Active Memberships in Professional Societies

American Society of Limnology and Oceanography
 Coastal & Estuarine Research Federation (*Student Judging at CERF 2015, Current Member of Under-Represented Minorities Council*)
 CERF Affiliate Society: Atlantic Estuarine Research Society (*Member-At-Large*)
 Sigma Xi
 Association for Women in Science
 International Society for Ecological Modelling

IV. Teaching and Training {2012-present}

A. University System of Maryland Courses Taught

Course #	Title	Semester	Enrollment	# Credits	Co-Instructors	# Lectures
MEES 608F	Ecosystems Complexity	Spring 2012	12	12	Wilberg	13
MEES607	Quantitative Methods	Fall 2012	10	30	Sanford	15
MEES 698I	Chesapeake Bay Health	Fall 2013	10	30	Lead Instructor: Mitchelmore	1
MEES 610	Land Margins	Fall 2013	13	39	Fisher, Castro, Boynton	

	Interactions					
MEES 607	Quantitative Methods	Fall 2013	16	48	Sanford, Miller	2
MEES 610	Land Margins	Fall 2014	6	18	Fisher, Castro	6
MEES 608J	Interactions Oyster Science and Management	Spring 2015	10	2	Lead Instructor: North	1
MEES 698I	Chesapeake Bay Health	Fall 2016	10	30	Lead Instructor: Mitchelmore	1
MEES 660	Ecological Foundations	Fall 2016	10	30	Lead Instructor: Woodland/Hildebrand	1

B. Graduate Students Supervised as Major Advisor

1. Degrees Completed

Katherine Davis	2012	M.S.	MEES
Meghann Niesen	2013	M.S.	MEES
Melinda Forsyth	2014	M.S.	MEES
Jennifer Bryan	2014	M.S.	MEES
*Virginia Clark	2014	M.S.	MEES

(*co-advised w/ D. Breitburg at the Smithsonian Environmental Research Center)

2. Students Currently Supervised

Jessica Foley	M.S.	MEES	UMCES
Melissa Day	M.S.	MEES	UMCES
Aimee Neeley	Ph.D..	MEES	UMCES
Juan Alvarez	Ph.D.	MEES	UMCES
Kevin Kahover	M.S.	MEES	UMCES
Zachary Gotthardt	M.S.	MEES	UMCES

3. Current Graduate Student Committee Memberships

Nicole Mehaffie	M.S.	MEES	UMCES
Cassie Gurbisz	Ph.D.	MEES	UMCES
Nicole Millette	Ph.D.	MEES	UMCES
Alex Atkinson	M.S.	MEES	UMCES

4. Research Internships Supervised 2016

Alexia Rodriguez - Maryland Sea Grant REU Internship Program

V. Service {only for 2016-2017}

A. Editorships

Guest Editor, Special Issue Ecological Modelling for ISEM 2016

Associate Editor, Estuarine, Coastal and Shelf Science. Elsevier.

B. Public Service current year only

Science Advisory Committee, American Chestnut Land Trust, Prince Frederick, MD

C. Federal/State/Local Government current year

Chesapeake Bay SAV Workgroup, Annapolis, MD.

Member Chesapeake Bay Program Integrated Trends Analysis Team

Chair, James River Chlorophyll Criteria Review, STAC

SET Inventory Chesapeake Bay Working Group Member, Sentinel Site Cooperative

Participant Conowingo and Upper Bay Monitoring Program Workgroup – MD DNR

Steering Committee Member STAC Future of CBay Modelling Workshop

F. Institutional Service current year

Chair of CBL Sustainability Committee

UMCES Faculty Senator (CBL) and Secretary

Chair Faculty Senate Subcommittee on Faculty Development

Member of HPL Faculty Search Committee

Chair of Promotion Committees for 2 faculty members (2015-2016, 2016-2017)

Member REU Selection Committee

Chair of Director's Review Committee CBL

Ecological Foundations Subcommittee Chair for MEES Graduate Program

G. Other Professional Service current year

Member, National Academies of Science Committee on the Edwards Aquifer Habitat Conservation Plan

Atlantic Estuarine Research Society member-at-large

Co-organizer 2016 Ecological Modelling Conference

Member CERF Under-Represented Minorities Council and Workgroup to Launch "Rising TIDES" program

Led review of the College of Southern Maryland Biology Department

Reviews of proposals provided for Sea Grant, National Science Foundation (2 panels 2016), Hudson River Foundation, USAID. Reviewer for manuscripts submitted to Marine Ecology Progress Series, Estuaries and Coasts, Estuarine, Coastal, & Shelf Science, Ecological Modelling, Environmental Management, Plant Ecology, Ecological Engineering, ES&T, Biogeosciences, JCR, Nature Communications.

References

1. Dr. Walter Boynton, Professor, University of Maryland Center for Environmental Science – Chesapeake Biological Laboratory
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2. Dr. Julia Parrish, Professor and Associate Dean, College of the Environment, University of Washington
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E-mail: jparrish@uw.edu
3. Dr. Fredrika Moser, Director Maryland Sea Grant, University of Maryland
Tel: 301-405-7500
E-mail: moser@mdsg.umd.edu