KATIE MAY LAUMANN

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EDUCATION

2016   Ph.D., Marine Science (dissertation)
        School of Marine Science, Virginia Institute of Marine Science,
        The College of William and Mary, Gloucester Point, VA

2009   M.A., Conservation Biology
        Department of Ecology, Evolution, and Environmental Biology,
        Columbia University, New York, NY

2006   B.S., Biology
        Southampton College,
        Long Island University, Southampton, NY

PROFESSIONAL TRAINING

2023   Cultivating Creative Collaboration, IDEO U
2016   Marine Planning Advancement Training, Nicholas School of the Environment, Duke University
2016   Facilitation Training, Atlantic States Marine Fisheries Commission
2013   Communicating Ocean Sciences to Informal Audiences (COSIA) Training, National Science Foundation

EXPERIENCE

2023–present   Associate Director of Research
                Integration and Application Network, University of Maryland Center for Environmental Science

2018–present   Research Scientist & Project Manager
                University of Maryland Center for Environmental Science, Annapolis MD

2023–present   Founder & Lead Scientist
                Best Environmental Applied Research (BEAR) LLC, Dunkirk, MD

2017–2018   Marine Science Educator
                Herring Gut Coastal Science Center, Port Clyde, ME

2015–2017   Fisheries Planner
                Virginia Marine Resources Commission, Newport News, VA

2013–2014   Research Fellow
                National Science Foundation & Japan Society for Promotion of Science: East Asia and Pacific
                Summer Institutes for U.S. Graduate Students
                The Natural History Museum and Institute, Chiba, Japan

2013–2014   National Science Foundation Graduate STEM Fellow in K-12 Education
                Gloucester, Virginia

2008–2010   Government & Foundation Grants Assistant
                Rainforest Alliance, New York, NY

PEER–REVIEWED PUBLICATIONS

Tropicalization of mid-western Atlantic coastal bays by pinfish (*Lagodon rhomboides*): a combined ecological and oceanographic perspective. 2024. J.S. Lefcheck, R.J. Orth, F.J. Fodrie, D. Gong, M. Faulkner, K.M. Laumann, C.J. Patrick; *in revision*.

Biotic mechanisms of reef fish community assembly change across global gradients. J.S. Lefcheck, N.E. Bosch, R. Stuart-Smith, K.M. Laumann, et al; *in revision*.

Moving beyond the ecosystem in ecosystem health report cards. 2019. K.M. Laumann, E.A. Nastase, *et. al.* Environmental Practice, DOI: 10.1080/14660466.2019.1689087, paper.

Co-creating and evaluating a citizen science program for monitoring submerged aquatic vegetation in Chesapeake Bay. 2021. S.E. Spitzer, J.B. Landry, K.M. Laumann, S. Swanson, W.C. Dennison. Regional Studies in Marine Science, DOI: 10.1016/j.rsma.2021.101906, PDF.

Dimensions of biodiversity in Chesapeake Bay demersal fishes: Patterns & drivers through space & time. 2014. J.S. Lefcheck, A. Buchheister, K.M. Laumann *et.al.* Ecosphere 5(2): art14, PDF.

SELECTED REPORTS AND OTHER PUBLICATIONS

Net-Zero and Water: Highlighting U.S. Innovation and action on Mitigation, Adaptation and Resiliency. 2023. B. Grumbles, K.M. Laumann, Peter Goodwin. Hydrolink 3(2023), article.

State of the Streams 2022: Indicator Methods. 2022. K.M. Laumann. Audubon Naturalist Society, report.

Rio Grande Resilient Basin Report Card. 2022. A. Fries, N. Miller, K.M. Laumann. IAN Press, report.

What is the status of National Capital Region National Parks natural resources? 2022. K.M. Laumann, A. Carew, D. Taillie, J. Edgerton. National Park Service Resource Brief (12-document series). IAN Press, sample report, complete series.

2021 Maryland Coastal Adaptation Report Card. 2022. K.M. Laumann, A. Carew, H. Kelsey. IAN Press, report.

2019 Bhitarkanika Conservation Area Report Card - 1. 2021. S. Costanzo, K.M. Laumann, E. Nastase. IAN Press, report.

2020 Mississippi River Watershed Report Card. 202, K. Lutz, F. Morton, B. Beduhn, J. Freitag, S. Gambrell, S. Mathies, D. Mecklenborg, M. Reuter, D. Simmons, L. Weber, H. Kelsey, V. Vargas-Nguyen, K.M. Laumann, *et al.* America's Watershed Initiative & IAN Press, report; methods manual.

Understanding Responses to Global Change: International collaborations for practical outcomes. 2018. V. Vargas-Nguyen, Y. Valverde, J. Hawkey, B. Dennison, H. Kelsey, K.M. Laumann, S. Swanson. IAN Press & Belmont Forum, report.

2018 Maryland Coastal Bays Report Card. 2019. E. Nastase, A. Carew, B. Dennison, H. Kelsey, K.M. Laumann. IAN Press, report.

Chesapeake Bay SAV Watchers: Field Guide & Methods manual for volunteers monitoring submerged aquatic vegetation. 2019. S. Webster, K.M. Laumann, B. Dennison, S. Swanson, E. Nastase, N. Miller. IAN Press, manual; field guide.

Sturgeon (Acipenseridae) phylogeny, biogeography, & ontogeny. 2016. K.M. Laumann. Dissertations, Theses, and Masters Projects. William & Mary. Paper 1539616731, dissertation.

Chef's Attitudes and Actions Regarding Seafood Sustainability. 2009. K.M. Laumann. Columbia University

GRANTS AND CONTRACTS

2024. Nantucket Harbor Scorecard Data Analysis and Publication Development. Greater Harbor Yacht Club, Nantucket.

2023. Charles County Resilience Report Card. Resilience Authority of Charles County.

2023. Improving Community-Based Climate Resiliency in Maryland's Coastal Communities. Chesapeake Bay Trust.

2023. Landscape Approaches to Resource Stewardship: Collaborative Community Conservation. National Park Service.

2023. State of the Streams: Phase 2. Nature Forward.

2023. State of the Streams: Phase 3. Nature Forward.

2022. Data Analysis for Lake Erie. Firelands Coastal Tributaries, Erie Conservation District.

2021. Greenhouse Gas Inventory for Luke's Lobster; subcontract (under Council Fire). Island Institute.

2021. State of the Streams: Phase 1. Nature Forward (formerly Audubon Naturalist Society).

2020. Landscape Approaches to Resource Stewardship: Modification Number 0004 to Task Agreement Number P17AC01714. National Park Service.

2020. Maryland Coastal Adaptation Report Card. State of Maryland Department of Natural Resources.

2019. Landscape Approaches to Resource Stewardship: Modification Number 0003 to Task Agreement Number P17AC01714. National Park Service.

SELECTED PRESENTATIONS

Coastal Adaptation Assessments. Baltimore Ecosystem Study Conference, Baltimore MD. Oct 2023. <u>K.M. Laumann</u>, C. Keitzer, A. Carew, Lili Badri, A. Foo.

Development and Results of a Novel Coastal Adaptation Report Card. Nov 2022. National Adaptation Forum. <u>K.M. Laumann</u>, A. Breitenother, A. Carew.

Maryland Coastal Adaptation. May 2022. Invited Speaker, EPA Mid-Atlantic Region Summit. <u>K.M. Laumann</u>, A. Breitenother, A. Carew, R.H. Kelsey.

Coastal Adaptation in Maryland. June 2022. Invited Speaker, Maryland Association of Flood Planners Spring Meeting.

Resource Assessments for Integrated Management Strategies. Nov 2022. Invited Panelist, Resilient Forest Management Training for Eastern National Parks.

Resource Assessments for Integrated Management Strategies. April 2020. 2020 Spotlight on National Park Resources in the National Capital Region. <u>K.M. Laumann</u>, D. Pavek, A. Carew

Measuring Coastal Adaptation: Using where we are to inform where we're going. Nov 2021. 26th Biennial Coastal & Estuarine Research Federation Conference. <u>K.M. Laumann</u>, A. Carew.

Integrating Local Data to Inform Region-Level Management in the National Park Service. Nov 2019. Coastal and Estuarine Research Federation Conference. <u>K.M. Laumann</u>, W. Dennison, V. Vargas-Nguyen, E. Nastase.

Interdisciplinary Management of Cultural and Natural Resources in National Parks. Mar 2019. Society for Applied Anthropology Annual Meeting. <u>KM Laumann</u>, W. Dennison, D. Pavek, E. Nastas, V. Varga-Nguyen.

OUTREACH & SERVICE

Peer Reviewer for Frontiers in Microbiology.

Member, Maryland Risk Reduction Partner Consultations Group, Maryland Department of the Environment

Stakeholder Engagement and Avoiding Parachute Science Workshop Sessions. June 2024. Workshop Lead, 2024 World Seagrass Conference & 15th International Seagrass Biology Workshop.

Invited Panelist, Thought Leaders Cover the Waterfront on Adaptation & Resiliency. June 2023. 2023 State Environmental Protection (STEP) Meeting: Climate & Water Nexus, Washington D.C.

Speaker & Workshop Leader. Coastal Ecosystem Health Assessments and Applications. National Aquarium of Ireland's "Serengeti of the Seas" Lecture Event, 2023.

Guest Speaker. Climate Adaptation: Why Should You Care? Eastport Yacht Club "What on Earth" Event, 2022.

Guest Speaker. Assessing coastal adaptation updates/results relevant or adaptable to the Nanticoke River watershed. Nanticoke Restoration Meeting, 2023.

Co-presenter (with A. Croquer, J.S. Lefcheck). Citizen Science Data and Ecosystem Health Workshop. Fundemar, Bayahibe, Dominican Republic, 2021.

Featured Scientist and Speaker. Women and Girls in Science Workshop. Herring Gut Coastal Science Center, Port Clyde, ME, 2019.