

KAREN A. DUHRING

Marine Scientist Supervisor/Scientist III
Center for Coastal Resources Management
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EDUCATION

M.S.	1988	Coastal Zone Management	Florida Institute of Technology	Melbourne, Florida
B.A.	1986	Environmental Studies	New College	Sarasota, Florida

ACADEMIC POSITIONS

2004- present: Scientist III, Marine Scientist Supervisor Virginia Institute of Marine Science

2000-2004: Scientist II, Marine Scientist Senior Virginia Institute of Marine Science

1999-2000: Marine Scientist Virginia Institute of Marine Science

RELEVANT FELLOWSHIPS AND GRANTS, last 4 years

Accelerating Water Quality Improvements in the James River through the Living Shoreline Collaborative. NFWF Innovative Nutrient and Sediment Reduction Grant award to James River Association. Sub-award to lead collaborative monitoring network, serve on LSC Steering Committee.

Building Adaptive Shorelines and Resilient Communities in the Lower James. NFWF Coastal Resilience Fund award to James River Association. Sub-award for demo site evaluations, workshop planning and course instructor.

Living Shoreline Design Guidelines & Contractor Course for Shore Protection in Virginia’s Estuarine Environments. Virginia Coastal Zone Management Program. Co-Investigator with C. Scott Hardaway, Jr., Donna Milligan.

Tidal Wetlands Management Technical Support, FY2023, FY2022, FY2021, FY2019. Virginia Coastal Zone Management Program-NOAA. Principle and Co-Investigator, CCRM Staff.

PROFESSIONAL SUMMARY

2019 – present Living Shoreline Collaborative Steering Committee

2018 – present Middle Peninsula Master Naturalists – Chapter Advisor

RELEVANT PUBLICATIONS FOR K. A. DUHRING

Mason, P., Hendricks, J., Herman, J., **Duhring, K.**, and Hershner, C. 2022. [Increasing use of natural and nature-based features to build resilience to storm-driven flooding, Final Report](#). Virginia Institute of Marine Science, William & Mary. doi: 10.25773/GPAS-KV09

Mason, P., Herman, J., Tombleson, C., Hendricks, J., and **Duhring, K.** 2022. [New Guidance to Build Resiliency and Mitigate for Sea Level Rise as Elements of the Chesapeake Bay Preservation Act](#). Virginia Institute of Marine Science, William & Mary. doi: 10.25773/thk4-5428

Hardaway, Jr., C.S., Milligan, D.A., and **Duhring, K.** 2021. [Living shoreline design guidelines for shore protection in Virginia’s estuarine environment \(SCRAMSOE #473\)](#). Gloucester Point, VA: Virginia Institute of Marine Science. DOI 10.25773/sfgj-3d24

Bilkovic, D.M., Mitchell, M., Mason, P., and **Duhring, Karen.** [The Role of Living Shorelines as Estuarine Habitat Conservation Strategies](#). 2016. Coastal Management 44 (3): 161-174.

Center for Coastal Resources Management, Virginia Institute of Marine Science (**K. Duhring**, editor). 2016. [Sea-Level Rise & Virginia's Coastal Wetlands](#). Rivers and Coast Summer 2016, Volume 11.. Virginia Institute of Marine Science, College of William and Mary. <https://publish.wm.edu/reports/214>

Center for Coastal Resources Management, Virginia Institute of Marine Science (**K. Duhring**, editor). 2015. [Marine Debris & Microplastics: Sources & Solutions for Coastal Virginia](#). Rivers & Coasts newsletter, Summer 2015, Vol. 10.

Mitchell, M.M., M.R. Berman, H. Berquist, J. Bradshaw, **K. Duhring**, S. Killeen and C.H. Hershner, 2011. [Strengthening Virginia’s Wetlands Management Programs](#), final report to US EPA Region III, Wetlands Development Grant Program.

RELEVANT COURSES TAUGHT / LECTURES

2023-2024	Living Shoreline Monitoring considerations and best practices. Chesapeake Bay Landscape Professionals Shorelines training. Instructor.
2020 - 2023	Shoreline Evaluation Program volunteer training. Colonial Soil & Water Conservation District.
2019	Shoreline Evaluations by Volunteer Citizen Scientists. Virginia Master Gardener College. Instructor. Norfolk, VA
2012 - present	Shoreline Evaluation Program volunteer training. Northern Neck Extension Master Gardeners.
2019 - present	Catch the King Tide tidal flood mapping volunteer training. Instructor & Tide Captain.
2018 - present	Coastal Ecology & Management basic training course, Virginia Master Naturalists. Instructor.
2018 - present	Wetlands basic training course, Virginia Master Naturalists. Instructor.
2015 – present	Living Shoreline techniques, design considerations and monitoring strategies. Instructor