

Joe Wood

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EDUCATION:

Virginia Commonwealth University, Richmond, VA
Ph.D., Integrative Life Sciences, May 2014

Virginia Commonwealth University, Richmond, VA
M.S., Biology, May 2010

Virginia Polytechnic Institute and State University, Blacksburg, VA
B.A., Philosophy, Biology Minor, May 2007

WORK EXPERIENCE:

Chesapeake Bay Foundation, Senior Scientist, 2014-Current

- Provide technical and policy recommendations on various water quality related issues included Stormwater, wastewater, and agricultural restoration initiatives.
- Provide technical expertise on water quality standard development and review
- Research and advocate for science based clean water initiatives in Virginia's General assembly

Virginia Department of Environmental Quality, Stormwater Grant Manager, 2013-2014

- Managed application review, procurement, and distribution of \$15M in state grand funding.
- Reviewed and approved engineering designs for stream restoration and stormwater BMP Projects

PUBLICATIONS:

- Wood, J., P. Bukaveckas, H. Galbraith, M. Gattis, M. Gray, T. Ihde, D. Kreeger, R. Mair, S. McLaughlin, S. Hahn, A. Harvey. 2021. Incorporating Freshwater Mussels into the Chesapeake Bay Restoration Effort. STAC Publication Number 21-004, Edgewater, MD. 39 pages
- Paul A. Bukaveckas¹, Jūratė Lesutienė, Zita R. Gasiūnaitė, Linas Ložys, Irina Olenina, Renata Pilkaitytė, Spencer Tassone, Žilvinas Pūtys and Joe Wood. Microcystin in aquatic food webs of the Baltic and Chesapeake Bay regions. 2017. *Estuarine, Coastal & Shelf Science*.
- Wood, J.D., Franklin, R., Garman, G., Hopler, D., Lee, W.M., McIninch, S., Porter, A. and Bukaveckas, P.A. The role of consumers in influencing trophic state and the fate of primary production in the James River Estuary, Virginia. 2015. *Food Webs*.
- Wood, J.D., Franklin, R., Garman, G. McIninch, S., Porter, A. and Bukaveckas, P.A. 2014. Seasonality and inter-specific variation in accumulation of the algal toxin Microcystin among fish and shellfish in the James River Estuary, Virginia. *Environmental Science & Technology*.
- Wood, J.D. and P.A. Bukaveckas. 2014. Increasing severity of phytoplankton nutrient limitation following reductions in point source inputs to the tidal freshwater segment of the James River Estuary. *Estuaries and Coasts*.
- Wood, J.D., P.A. Bukaveckas, G. Garman, and S. McIninch. 2012. Causes and Consequences of Algal Blooms in the Tidal Freshwater James River. Report to Virginia Department of Environmental Quality.
- Bukaveckas, P.A. and Wood, J.D. 2014. Nitrogen retention in a restored tidal freshwater stream of the Virginia Coastal Plain. *Journal of Environmental Quality*.

PROFESSIONAL WORKGROUP EXPERIENCE:

- STAC Workshop, Improving modeling and mitigation strategies for poultry ammonia emissions across the Chesapeake Bay Watershed, Chair, (2021-current)
- Executive Committee on the Occoquan Sewershed (2021)
- STAC Freshwater Mussel Workshop Chair, (2019-2021)
- Water Quality Goal Implementation Team (2021-Current)
- Criteria Assessment Protocol Workgroup (2018-current)
- Virginia Watershed General Permit Regulatory Advisory Panel (2020-2012)
- Local Area Planning Targets Taskforce (2017)
- James River Chlorophyll Criteria Regulatory Advisory Panel (2014-2018)

- Virginia Construction General Permit Reissuance (2018)
- Virginia Triennial Review (2016- 2018, 2021-2022)
- MS4 General Permit Technical Advisory Committee (2017-2018)
- VA-HB1774 Middle Peninsula Stormwater Stakeholder Committee (2017)
- WWTP permit issuance < 1,000 GPD (2015-2016)
- RVAH2O Integrated Permit issuance (2014-2018)
- Accotink Creek TMDL Technical Advisory Committee (2014-2017)
- Virginia Agricultural Cost Share Technical Advisory Group (2015-2018)

COMMUNITY INVOLVEMENT:

- VCU Adjunct Faculty, 2018-current
- Fellow of the University of Virginia Natural Resources Institute (VNRLI)
- Secretary, Atlantic Estuarine Research Society Governing Board, 2015-2018
- *Chesapeake Bay Foundation* Teachers on the Bay Course, 2010
- Ecological outreach assistant (200+ hours) with local public school and the VCU Rice Center, 2007-current
- Delmarva Power Coastal Cleanup of barrier islands participant, 2007
- Katrina restoration worker with AmeriCorps, 2007
- Community development worker with Heifer International in Honduras, 2001, 2003