

# Michael Schramm

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## Employment

*Texas Water Resources Institute, Texas A & M University*

Research Associate

2016-Current

*Oak Ridge National Laboratory, Oak Ridge, TN*

Research Associate

2014-2016

*Center for Energy and Environmental Policy, University of Delaware*

Research Assistant

2012-2013

## Education

*University of Delaware, Master of Energy and Environmental Policy, 2013*

*University of North Carolina - Wilmington, B.A. Environmental Studies, 2011*

*University of North Carolina - Wilmington, B.S. Biology, 2004*

## Skills

Environmental and Water Policy Analysis, GIS, Python, Qualitative and Quantitative Data Analysis, R, Technical Writing, Water Quality Assessment

## Publications

### *Journal Articles*

**Schramm, M.P.**, Bevelhimer, M.S., Scherelis, C. 2017. Effects of hydrokinetic turbine sound on the behavior of four species of fish within an experimental mesocosm. *Fisheries Research* 190:1-14.

DeRolph, C.R., **Schramm, M.P.**, Bevelhimer, M.S. 2016. Predicting environmental mitigation requirements for hydropower projects through the integration of biophysical and socio-political geographies. *Science of The Total Environment* 566:888-918. [doi:10.1016/j.scitotenv.2016.05.099](https://doi.org/10.1016/j.scitotenv.2016.05.099)

**Schramm, M.P.**, Bevelhimer, M.P., DeRolph, C.R. 2016. A synthesis of environmental and recreational mitigation requirements at hydropower projects in the United States. *Environmental Science & Policy* 61:87-96. [doi:10.1016/j.envsci.2016.03.019](https://doi.org/10.1016/j.envsci.2016.03.019)

Pracheil, B.M., DeRolph C.R., **Schramm, M.P.**, Bevelhimer, M.S. 2016. A fish-eye view of riverine hydropower systems: the current understanding of the biological response to turbine passage. *Reviews in Fish Biology and Fisheries* 26(2):153-167. [doi:10.1007/s11160-015-9416-8](https://doi.org/10.1007/s11160-015-9416-8)

Cutting, R.H., Cahoon, L.B., Flood, J.F., Horton, L., **Schramm, M.P.** 2010. Spill the beans: GoodGuide, Walmart and EPA use information as efficient, market-based environmental regulation. *Tul. Envtl. LJ* 24:291.

## Other Publications

**Schramm, M.P.**, Berthold, T., Entwistle, C., Peddicord, K. (2018). Lavaca River Watershed Protection Plan. Technical report, Texas Water Resources Institute TR-507. College Station, TX. URL: <http://twri.tamu.edu/media/692870/tr-507.pdf>

**Schramm, M.P.**, Entwistle, C., Berthold, T. 2017. Tres Palacios Watershed Protection Plan. Technical report, Texas Water Resources Institute TR-500. College Station, TX. URL: <http://twri.tamu.edu/publications/reports/2017/tr-500/>

**Schramm, M.P.**, Entwistle, C., Berthold, T. 2017. Implementation Plan for One Total Maximum Daily Load for Indicator Bacteria in Tres Palacios Creek Tidal. Prepared by the Texas Water Resources Institute for the Total Maximum Daily Load Program, Texas Commission on Environmental Quality. Austin, TX. URL: [https://www.tceq.texas.gov/assets/public/waterquality/tmdl/108trespalacios/108-TresPalaciosBacteria\\_TMDLIPlan\\_Comment\\_July05-2017.pdf](https://www.tceq.texas.gov/assets/public/waterquality/tmdl/108trespalacios/108-TresPalaciosBacteria_TMDLIPlan_Comment_July05-2017.pdf)

**Schramm, M.P.** 2017. Technical Support Document for Total Maximum Daily Loads for Indicator Bacteria in Aransas River Above Tidal and Poesta Creek. Prepared by the Texas Water Resources Institute for the Total Maximum Daily Load Program, Texas Commission on Environmental Quality. Austin, TX. URL: <https://www.tceq.texas.gov/assets/public/waterquality/tmdl/76copano/76-aransas-poesta-tsd.pdf>

McManamay, R.A., Troia, M.J., DeRolph, C.R., Bevelhimer, M.S., **Schramm, M.P.**, Larson, K.B., Tagestad, J.D., Johnson, G.E., Jager, H.I. 2015. Identifying Environmental Opportunities outside the Hydropower Project Boundary : An Updated Methodology of the Basin Scale Opportunity Assessment. [doi:10.13140/RG.2.1.3000.0482](https://doi.org/10.13140/RG.2.1.3000.0482)

Kramer, C., Dsouza, C., **Schramm, M.P.**, Griffin, M., Teron, L. 2014. Brownfields: From Redevelopment to Revitalization. Technical Report, Center for Energy and Environmental Policy, Newark, DE. [doi:10.13140/RG.2.1.5006.0565](https://doi.org/10.13140/RG.2.1.5006.0565)

Caldwell, J., Cruz-Ortiz, C., Dsouza, C., Johnson, T., Schorse, M., **Schramm, M.P.**, and Zhang, X. 2012. Supporting Urban Green Infrastructure. Technical report, Center for Energy and Environmental Policy, Newark. [doi:10.13140/RG.2.1.1204.9687](https://doi.org/10.13140/RG.2.1.1204.9687)

## Software

**Schramm, M.P.** 2018. echor: Access EPA ECHO Data. *R package version 0.1.0.* (CRAN). <https://CRAN.R-project.org/package=echor>

## Datasets

Bevelhimer, M.S., **Schramm, M.P.**, DeRolph, C.R. 2015. Non-Federal Hydropower Mitigation Database, Oak Ridge National Laboratory, available at: <http://nhaap.ornl.gov/environmental-mitigation>

Bevelhimer, M.S., **Schramm, M.P.**, DeRolph, C.R. 2015. US Maps of Non-Federal Hydropower Mitigation Data, Oak Ridge National Laboratory, available at: <http://nhaap.ornl.gov/environmental-mitigation>

Bevelhimer, M.S., **Schramm M.P.**, C.R. DeRolph 2015. US Maps of Non-Federal Hydropower Water Quality Requirements, Oak Ridge National Laboratory, available at: <http://nhaap.ornl.gov/environmental-mitigation>

*Forthcoming*

**Schramm, M.P.**, Entwistle, C., Berthold, T. (Forthcoming). Implementation Plan for Two Total Maximum Daily Loads for Indicator Bacteria in Lavaca River Above Tidal and Rocky Creek. Prepared by the Texas Water Resources Institute for the Total Maximum Daily Load Program, Texas Commission on Environmental Quality. Austin, TX.

**Schramm, M.P.**, Broad, T., Arsuffi, R. (Forthcoming). *Escherichia coli* and Dissolved Oxygen Trends in the Upper Llano River Watershed, Texas (2001-2016). Prepared by the Texas Water Resources Institute and the Llano River Field Station for the Texas State Soil and Water Conservation Board. Temple, TX.