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. Environmetal 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. doi:10.1016/j.fishres.2017.01.012

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

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

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

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., Entwistle, C., Berthold, T. 2018. Lavaca River Watershed Protection Plan. Technical report, Texas Water Resources Institute TR-507. College Station, TX. URL: http://twri.tamu.edu/publications/reports/2018/tr-507/

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

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

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

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

Software

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

Schramm, M.P. 2018. `tbrf`: Time-Based Rolling Functions. *R package version 0.1.0 (CRAN)* https://CRAN.R-project.org/package=tbrf

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/

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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

Jain, S., Ruff, S., **Schramm, M.** (Forthcoming). Technical Support Document for One Total Maximum Daily Load for Indicator Bacteria in Arenosa 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., 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.