

Michael Schramm

RESEARCH SPECIALIST

3406 Judythe Ct. Bryan, TX 77803

☎ 910 232 3760 | ✉ mpschramm@gmail.com | 🏠 michaelpaulschramm.com | 📱 mps9506 | 🐦 mpschramm

I am a research professional specializing in water science, policy, and regulation. I leverage spatial and data analytic tools to provide effective visual and written communication that bridge gaps between policy, science, and the public.

Skills

Communication: academic writing, extension and outreach programs, stakeholder facilitation, technical and non-technical reports

Programatic: grant writing, project management, proposal development

Programming and Applications: ArcGIS, Excel, git (limited), R, Python

Water Management and Hydrologic Science: statistical methods for water quality, TMDL development, water quality policy and regulations, watershed planning

Employment

Texas Water Resources Institute, Texas A&M AgriLife Research

College Station, TX

RESEARCH SPECIALIST III

2019

- Create databases and tools for watershed assessments. Develop the Institute's watershed planning program by working with state agencies and other funding entities to develop programs and projects. Deliver water quality education and extension programs.

Texas Water Resources Institute, Texas A&M AgriLife Research

College Station, TX

RESEARCH ASSOCIATE

2016 - 2019

- Provide technical support, lead stakeholder facilitation, and administer project management for the watershed protection plans, TMDLs, and Implementation Plans in Texas

Oak Ridge National Laboratory/Oak Ridge Associated Universities

Oak Ridge, TN

RESEARCH ASSOCIATE

2014-2016

- Responsible for database development, research and analysis, and authoring reports and articles on environmental mitigation of hydropower development

Center for Energy and Environmental Policy, University of Delaware

Newark, DE

GRADUATE RESEARCH ASSISTANT

2013-2014

- Responsible for interviews, data analysis, and developing policy recommendations in reports delivered to the state General Assembly

Education

University of Delaware

Newark, DE

MASTER OF ENERGY AND ENVIRONMENTAL POLICY

2013

University of North Carolina - Wilmington

Wilmington, NC

B.A. ENVIRONMENTAL STUDIES

2011

University of North Carolina - Wilmington

Wilmington, NC

B.S. BIOLOGY

2004

Selected Publications

1. Pracheil, B, C DeRolph, M Schramm, and M Bevelhimer (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*.
2. Schramm, M, M Bevelhimer, and C DeRolph (2016). A synthesis of environmental and recreational mitigation requirements at hydropower projects in the United States. *Environmental Science & Policy*.

3. Cutting, R, L Cahoon, J Flood, L Horton, and M Schramm (2010). Spill the Beans: GoodGuide, Walmart and EPA Use Information as Efficient, Market-Based Environmental Regulation. *Tul. Envtl. LJ*.
4. Schramm, M, T Broad, and T Arsuffi (2018). *Escherichia coli and Dissolved Oxygen Trends in the Upper Llano River Watershed, Texas (2001-2016)*. Tech. rep. TR-511. Texas Water Resources Institute.

Software (R)

1. Michael, S (2019). *dartx: Applies Drainage Area Ratio Method With Correction Factors*. Version 0.1.0. <https://github.com/mps9506/dartx>.
2. Schramm, M (2019). *echor: Access EPA 'ECHO' Data*. Version 0.1.2. <https://CRAN.R-project.org/package=echor>.
3. Schramm, M and F Harrell (2019). *tbrf: Time-Based Rolling Functions*. Version 0.1.2. <https://CRAN.R-project.org/package=tbrf>.