Mark D. Scheuerell
USGS Washington Cooperative Fish and Wildlife Research Unit
School of Aquatic and Fishery Sciences
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Education

Ph.D., Zoology, University of Washington (2002)

M.S., Fishery and Aquatic Science, Cornell University (1995)

B.S., Zoology, University of Wisconsin (1991)

Employment

Assistant Unit Leader
USGS Washington Cooperative Fish and Wildlife Research Unit — 2019 - present

Associate Professor
School of Aquatic and Fishery Sciences, University of Washington — 2019 - present

Affiliate Scientist
eScience Institute, University of Washington — 2021 - present

Adjunct Faculty
School of the Environment, Washington State University — 2023 - present

Research Fisheries Biologist
Northwest Fisheries Science Center, NOAA Fisheries — 2003 - 2019

Professional recognition

Excellence in Diversity, Equity and Inclusion, U.S. Geological Survey Cooperative Units Program (2024)

Presidential Early Career Award for Scientists and Engineers, White House Office of Science and Technology Policy, Washington, District of Columbia (2006)

Member, Ecological Society of America

Sustaining Fellow, Association for the Sciences of Limnology and Oceanography

Member, American Fisheries Society

Graduate students and post-doctorates supervised

Postdoctoral scholars

Dara Farrell (2021-2023)

Guillaume Bal (2012-2013, co-advised with EJ Ward)

Daniel Pendleton (2010-2012, co-advised with EE Holmes)

Jim Thorson (2011, co-advised with EE Holmes & EJ Ward)

Kirstin Holsman (2007-2010)

Eric Buhle (2007-2009)

Ph.D. students

Angela Dillon (2024-present)

Nicole Doran (2024-present)

Brian McGreal (2023-present)

Markus Min (2020-present)

M.S. students

Amirah Casey (2023-present)

Tessa Code (2023-present)

Andrea Hennings (2021-present)

Nicole Doran (2021-2024)

Karl Veggerby (2021-2023)

Kelly Mistry (2020-2022)

Principal publications related to this proposal

Harms TK, Hood J, **Scheuerell MD**, Creed I, Campbell JL, Fernandez I, Higgins SN, Johnson S, Shanley J, Sebestyen S, Webster KL, Yao H. In press. Decomposing temporal variation in chemistry of headwater streams reveals long-term stability and recovery in the northern temperate zone. Biogeochemistry

Elmstrom EJ, Holtgrieve GW, **Scheuerell MD**, Schauer AJ, Leazer K. 2024. Climate and landform interact to control the source and transport of nitrate in Pacific Northwest rivers. Communications Earth & Environment 5:90

Min MA, Cope J, Lowry D, Selleck J, Tonnes D, Andrews K, Pacunski R, Hennings A, **Scheuerell MD**. 2023. Data-limited fishery assessment methods shed light on the exploitation history and population dynamics of Endangered Species Act-listed Yelloweye Rockfish in Puget Sound, Washington. Marine and Coastal Fisheries 15:e10251

Ward EJ, Marshall K, **Scheuerell MD**. 2022. Regularizing priors for Bayesian VAR applications to large ecological datasets. PeerJ 10:e14332

Webster A, Douglas T, Harms TK, Regier P, **Scheuerell MD**. 2022. Multi-scale temporal patterns in stream biogeochemistry indicate linked permafrost and ecological dynamics of boreal catchments. Ecosystems 25:1189–1206

Quinn TP, **Scheuerell MD**, Losee JP, Hanada D. 2022. Multidecadal trends in body size of Puget Sound Chinook salmon: Analysis of data from the Tengu Derby, a culturally unique fishery. Marine and Coastal Fisheries 14:e10205

Jankowski K, Houser JN, **Scheuerell MD**, Smits AP. 2021. Warmer winters increase phytoplankton biomass in a large floodplain river. Journal of Geophysical Research: Biogeosciences 126:e2020JG006135

Thorson JT, **Scheuerell MD**, Olden JD, Schindler DE. 2018. Spatial heterogeneity contributes more to portfolio effects than species differences in bottom-associated marine fishes. Proceedings of the Royal Society B 285:20180915

Ward EJ, Oken K, Rose KA, Sable S, Watkins K, Holmes EE, **Scheuerell MD**. 2018. Applying spatiotemporal models to monitoring data to quantify fish responses to the Deepwater Horizon oil spill in the Gulf of Mexico. Environmental Monitoring and Assessment 190:530