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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)

Professional experience

Assistant Unit Leader - Fisheries

USGS Washington Cooperative Fish and Wildlife Research Unit 2019 - present

Associate Professor

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

Research Fisheries Biologist

Northwest Fisheries Science Center, NOAA Fisheries 2003 - 2019

Relevant publications

Holmes EE, Ward EJ, **Scheuerell MD**. 2020. Analysis of multivariate time-series using the MARSS package, Version 3.10.12. <http://cran.r-project.org/web/packages/MARSS/vignettes/UserGuide.pdf>.

Siple MC, Essington TE, Barnett LAK, **Scheuerell MD**. 2020. Limited evidence for sardine and anchovy asynchrony: re-examining an old story. *Proceedings of the Royal Society B* 287:20192781

Smits AP, Ruffing CM, Royer TV, Appling AP, Griffiths NA, Bellmore R, **Scheuerell MD**, Harms TK, Jones J. 2019. Detecting signals of large-scale climate phenomena on river flows and nitrogen, phosphorus, and silica loads in the Mississippi-Atchafalaya River basin. *Geophysical Research Letters* 46:3791-3801

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

Thorson JT, Ianelli JN, Larsen EA, Ries L, **Scheuerell MD**, Szuwalski CS, Zipkin EF. 2016. Joint dynamic species distribution models: a tool for community ordination and spatiotemporal monitoring. *Global Ecology and Biogeography* 25:1144–1158

Ohlberger J, **Scheuerell MD**, Schindler DE. 2016. Population coherence and environmental impacts across spatial scales: a case study of Chinook salmon. *Ecosphere* 7:e01333

Francis TB, Wolkovich EM, **Scheuerell MD**, Katz SL, Holmes EE, Hampton SE. 2014. Shifting regimes and changing interactions in the Lake Washington, U.S.A., plankton community from 1962–1994. *PLoS ONE* 9:e110363

Hampton SE, Holmes EE, Scheef LP, **Scheuerell MD**, Katz SL, Pendleton DE, Ward EJ. 2013. Quantifying effects of abiotic and biotic drivers on community dynamics with multivariate autoregressive (MAR) models. *Ecology* 94:2663–2669

Francis TB, **Scheuerell MD**, Brodeur R, Levin PS, Ruzicka JJ, Tolimieri N, Peterson WT. 2012. Climate shifts the interaction web of a marine plankton community. *Global Change Biology* 18:2498–2508