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PhD 2007, University of North Carolina at Chapel Hill

MS 1998, University of Iowa

BSCE 1997, University of Iowa

Teaches ABE 20500

Recent Papers

S Dey, S Saksena, D Winter, V Merwade, S McMillan. 2022. Incorporating Network Scale River Bathymetry to Improve Characterization of Fluvial Processes in Flood Modeling. *Water Resources Research*, e2020WR029521.

A Rodriguez-Sanchez, G Chuta, S Yufra, M Yupanque, R Rondon, A Tomasek, S McMillan, L Hoagland. 2022. Soil Microbial Communities Mediate Arsenic Toxicity and Susceptibility to Soil-Borne Pathogens in Lettuce. 2022 ASHS Annual Conference.

ML Carlson Mazur, B Smith, B Bird, S McMillan, M Pyron, C Hauswald. 2022. Hydrologic connectivity and land cover affect floodplain lake water quality, fish abundance, and fish diversity in floodplain lakes of the Wabash-White River basin. *River Research and Applications* 38 (1), 160-172.

A Rodriguez-Sanchez, A Tomasek, S McMillan, S Yufra, M Yupanqui, R Rondon, L Hoagland. 2022. Composition and potential functional roles of soil fungal communities on arid farms in Arequipa (Southern Peru) characterized using SMRT sequencing. *Applied Soil Ecology* 169, 104228.

A Tomasek, SKW McMillan, R Scarlett, FA Hoover. 2021. Advances in Social Justice and Resiliency in Water Resources | eLightning. AGU Fall Meeting.

SKW McMillan, S Dey, S Donohue, V Merwade, A Montoya, GB Noe, S Saksena, D Winter. 2021. Floodplain reconnection in agricultural landscapes and tradeoffs in water quality. AGU Fall Meeting.

AO Dada, CT Johnston, DR Smith, SK McMillan, S Armstrong. 2021. Impact of Long-term Cover Crop Species Management on the Fate and Transport of Phosphorus in Regenerative Rotational Agricultural System. Purdue University Graduate School.

DN Petit, S Clinton, SW McMillan, D Vinson. 2021. . Alteration of Riparian Shallow-Groundwater Levels

and Temperature 2014-2020: A component of floodplain recovery after whole-watershed stream restoration. AGU Fall Meeting Abstracts 2021, H35F-1104.

R Scarlett, J Hosen, SW McMillan. 2021. Metabolic Response to Storm Events in Urban Streams. AGU Fall Meeting Abstracts 2021, B22A-01.

A Tomasek, SW McMillan, A Rodriguez-Sanchez, L Hoagland, SY Cruz, MY Mendoza, R Rondon. 2021. Water imbalances: stakeholder disparities and resiliency in Arequipa, Peru. AGU Fall Meeting Abstracts 2021, GC25K-0765.

MK Welsh, PG Vidon, SK McMillan. 2021. Riparian seasonal water quality and greenhouse gas dynamics following stream restoration. *Biogeochemistry* 156 (3), 453-474.

RD Scarlett, M Subramaniam, SK McMillan, AT Ingermann, SM Clinton. 2021. Stormwater on the margins: Influence of race, gender, and education on willingness to participate in stormwater management. *Journal of Environmental Management* 290, 112552.

SKW McMillan, S Dey, S Donohue, A Limiac, V Merwade, A Montoya, GB Noe, S Saksena, MR Williams, D Winter. 2020. Integrating drivers of nutrient biogeochemistry in riverine floodplains to inform restoration design. AGU Fall Meeting 2020.

SKW McMillan, S Dey, S Donohue, A Limiac, V Merwade, A Montoya, GB Noe, S Saksena, MR Williams, D Winter. 2020. Integrating drivers of nutrient biogeochemistry in riverine floodplains to inform restoration design. AGU Fall Meeting Abstracts 2020. H120-02.

A Tomasek, SKW McMillan, A Rodriguez-Sanchez, L Hoagland, J Hathaway, T Epps, MY Mendoza, SY Cruz, R Rondon. 2020. The Intersection of Legacy Agriculture and Urbanization on Soil and Water Quality in Arequipa, Peru. AGU Fall Meeting Abstracts 2020, H084-0016.