



Bridget Deemer



BA, Environmental Studies (Vassar College)
MS, Environmental Science (Washington State University)

PhD Student in Environmental Science (Washington State University)

The NSPIRE IGERT Program is a multidisciplinary student doctoral training program designed to create a new generation of scientists with broad and rigorous training in nitrogen cycling who seamlessly integrate nitrogen cycle science for effective communication with public policy makers.

Research title: Hot moments for nitrogen transformation and loss in manmade reservoir systems

Bridget is interested in the interaction between reservoir hydrology and microbial nitrogen transformations. Reservoirs are thought to be disproportionately important sites for microbial nitrogen removal and also make particularly interesting study systems because their hydrology is managed. Specifically, Bridget's research will examine the potential for reservoir management practices to either facilitate or suppress the complete removal of biologically available nitrogen from aquatic ecosystems. Associated N_2O will also be measured in order to better understand the potential controls on both the magnitude and ratio of N_2 versus N_2O production.

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