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Abigail Tomasek is a PhD student in Civil, Environmental, and Geo-Engineering at the University of Minnesota Twin Cities in the United States. She received a master's degree in Environmental and Water Resources Engineering at the University of Texas at Austin. Her research aims to identify and quantify the parameters responsible for the formation and enhancement of denitrification hot spots and hot moments in surface waters and their floodplains, and how these drivers relate to complete versus incomplete denitrification. She also looks at the abundance of denitrifying genes and the microbial communities present in these hot spots and how this correlates to denitrification rates.