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“Modeling Groundwater Sulfate in Northeast Minnesota: Implications for Mining and Wild Rice”

Thursday, September 08, 2016
4:00 pm
Life Science 175

Research interests: I'm interested in how different aspects affecting the hydrologic cycle – including the atmosphere, plants, soil, microbial activity, and geochemistry – interact with each other. Understanding the links between these elements helps us explain how the environment will respond to changing conditions, including impacts of climate change, land use, and contamination. I use computer models to describe dynamic connections at the land surface, in the unsaturated zone, and in groundwater aquifers. My work also focuses on statistical methods that merge models with data (data assimilation) to provide more reliable and informative insights than is possible with either models or data alone.