

## Jeffrey R. Ziegeweid

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### Education and Training

MS 2006 University of Georgia, Forestry and Natural Resources (Fisheries Emphasis)

BS 2004 University of Wisconsin-La Crosse, Biology (Aquatic Science) & Chemistry Majors, Mathematics Minor

### Areas of Specialization and Research Interests

Relating changes in water levels, streamflow, sediment, and water quality on aquatic ecosystem function

Using chemical analyses and hydroacoustics to address complex ecological questions

### Professional Experience

2016-Present Sediment Team Lead, Investigations, USGS MN Water Science Center, Mounds View, MN

2012-Present Hydrologist, Investigations, USGS MN Water Science Center, Mounds View, MN

2010-2012 Hydrologic Technician, Investigations, USGS MN Water Science Center, Mounds View, MN

2008-2010 Hydrologic Technician, Data Section, USGS MN Water Science Center, Grand Rapids, MN

2008 Microbiologist, VHS Surveillance, WI Department of Natural Resources, Madison, WI

2007 Office Coordinator/Sample Courier, Coffey Laboratories, Incorporated, Redmond, OR

2004-2006 Graduate Research Fellow, School of Forest Resources, University of Georgia (Athens)

2003 Research Assistant, Streams Crew, Marine Biological Laboratories, Woods Hole, MA

2002 Undergraduate Research Fellow, Department of Chemistry, University of Wisconsin-La Crosse

2001-2002 Research Assistant, Toxicology, River Studies Center, University of Wisconsin-La Crosse

2000-2001 Fisheries Assistant, LTRMP, Upper Midwest Environmental Science Center, Onalaska, WI

### Select Publications

Lorenz, D.L., and Ziegeweid, J.R., 2016, Methods to estimate historical daily streamflow for ungaged stream locations in Minnesota: U.S. Geological Survey Scientific Investigations Report 2015–5181, 18 p., <http://dx.doi.org/10.3133/sir20155181>.

Ziegeweid, J.R., Lorenz, D.L., Sanocki, C.A., and Czuba, C.R., 2015, Methods for estimating flow-duration curve and low-flow frequency statistics for ungaged locations on small streams in Minnesota: U.S. Geological Survey Scientific Investigations Report 2015–5170, 23 p., <http://dx.doi.org/10.3133/sir20155170>.

Ziegeweid, J.R. and Magdalene, S., 2015, Development of regression equations to revise estimates of historical streamflows for the St. Croix River at Stillwater, Minnesota (water years 1910-2011), and Prescott, Wisconsin (water years 1910-2007): U.S. Geological Survey Scientific Investigations Report 2014-5239, 23 p., <http://dx.doi.org/10.3133/sir20145239>.

Smith, E.A., Kiesling, R.L., Galloway, J.M., and Ziegeweid, J.R., 2014, Water quality and algal community dynamics of three deepwater lakes in Minnesota utilizing CE-QUAL-W2 models: U.S. Geological Survey Scientific Investigations Report, 2014-5066, 73 p., <http://dx.doi.org/10.3133/sir20145066>.

Ziegeweid, JR and MC Black. 2010. Hematocrit and plasma osmolality values of young-of-the-year shortnose sturgeon following acute exposures to combinations of salinity and temperature. *Fish Physiology and Biochemistry* 36: 963-968.

Ziegeweid, JR, CA Jennings, DL Peterson, and MC Black. 2008. Effects of salinity, temperature, and body size on the survival of juvenile shortnose sturgeon. *Transactions of the American Fisheries Society* 137: 1490-1499.

Ziegeweid, JR, CA Jennings, and DL Peterson. 2008. Thermal maxima for juvenile shortnose sturgeon acclimated to different temperatures. *Environmental Biology of Fishes* 82: 299-307.