

Curriculum Vitae

Dr. Eric A. Strauss

Department of Biology
University of Wisconsin – La Crosse
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Education

- Ph.D. 2000 Department of Biology, University of Notre Dame, Notre Dame, IN
Dissertation: Effects of organic carbon and nitrogen availability on nitrification rates in stream sediments.
Advisor: Dr. Gary A. Lamberti
- M.S. 1995 Division of Biology, Kansas State University, Manhattan, KS
Thesis: Protozoa-bacteria interactions in subsurface sediments and the subsequent effects on nitrification.
Advisor: Dr. Walter K. Dodds
- B.S. 1992 Fisheries Biology, Kansas State University, Manhattan, KS
B.S. 1992 Chemical Science, Kansas State University, Manhattan, KS
- Assoc. 1989 General Studies, Barton County Community College, Great Bend, KS.

Professional Experience

- 7/2007 - Present Assistant Professor, Dept. Biology, Univ. Wisconsin – La Crosse
8/2005 – 6/2007 Assistant Professor, Dept. Biological Sciences, Fort Hays State Univ.
2004 – 2005 Biologist, USGS, Upper Midwest Environmental Sciences Center
1999 – 2004 Associate Researcher, Dept. Biology, Univ. Wisconsin – La Crosse
1995 – 2000 Graduate Research Fellow, Dept. Biol. Sciences, Univ. Notre Dame
1993 – 1995 Graduate Research Assistant, Div. Biology, Kansas State Univ.
1992 Hatchery Assistant, Milford Fish Hatchery, Kansas Dept. Wildlife and Parks

Areas of Expertise

Limnology, Ecosystem Ecology, Biogeochemistry, Microbial Ecology

Peer-Reviewed Publications

- Strauss, E.A.**, W.B. Richardson, J.C. Cavanaugh, L.A. Bartsch, R.M. Kreiling, and A.J. Standorf. 2006. Variability and regulation of denitrification in an Upper Mississippi River backwater. *Journal of the North American Benthological Society*. 25(3): 596-606.

- Cavanaugh, J.C., W.B. Richardson, **E.A. Strauss**, and L.A. Bartsch. 2006. Nitrogen dynamics in sediment during water level manipulation on the Upper Mississippi River. *River Research and Applications*. 22: 651-666.
- Bruesewitz, D.A., J.L. Tank, M.J. Bernot, W.B. Richardson, and **E.A. Strauss**. 2006. Seasonal effects of the zebra mussel (*Dreissena polymorpha*) on sediment denitrification rates in Pool 8 of the Upper Mississippi River. *Canadian Journal of Fisheries and Aquatic Sciences*. 63: 957-969.
- Strauss, E.A.** 2005. Microbiology of lotic aggregates and biofilms. Pages 305-309, In J.H. Lehr and J. Keeley (Eds.), *Water Encyclopedia: Surface and Agricultural Water*. John Wiley & Sons, Inc.
- Richardson, W.B., **E.A. Strauss**, L.A. Bartsch, E.M. Monroe, J.C. Cavanaugh, L. Vingum, and D.M. Soballe. 2004. Denitrification in the Upper Mississippi River: rates, controls, and contribution to nitrate flux. *Canadian Journal of Fisheries and Aquatic Sciences*. 61: 1102-1112.
- Strauss, E.A.**, W.B. Richardson, L.A. Bartsch, J.C. Cavanaugh, D.A. Bruesewitz, H. Imker, J.A. Heinz, and D.M. Soballe. 2004. Nitrification in the Upper Mississippi River: patterns, controls, and contribution to the nitrate budget. *Journal of the North American Benthological Society*. 23: 1-14.
- Strauss, E.A.**, N.L. Mitchell, and G.A. Lamberti. 2002. Factors regulating nitrification in aquatic sediments: effects of organic carbon, nitrogen availability, and pH. *Canadian Journal of Fisheries and Aquatic Sciences*. 59: 554-563.
- Strauss, E.A.**, and G.A. Lamberti. 2002. Microbial decomposition of leaf leachates and effect of organic carbon quality on nitrification rates in stream sediments. *Freshwater Biology*. 47: 65-74.
- Dodds, W.K., M.A. Evans-White, N.M. Gerlanc, L. Gray, D.A. Gudder, M.J. Kemp, A.L. Lopez, D. Stagliano, **E.A. Strauss**, J.L. Tank, M.R. Whiles and W.M. Wollheim. 2000. Quantification of the nitrogen cycle in a prairie stream. *Ecosystems*. 3: 574-589.
- Strauss, E.A.** and G.A. Lamberti. 2000. Regulation of nitrification in aquatic sediments by organic carbon. *Limnology and Oceanography*. 45: 1854-1859.
- Strauss, E.A.**, and W.K. Dodds. 1997. Influence of protozoa and nutrient availability on nitrification rates in subsurface sediments. *Microbial Ecology*. 34: 155-165.
- Dodds, W.K., M.K. Banks, C.S. Clennan, C.W. Rice, D. Sotomayor, **E.A. Strauss**, and W. Yu. 1996. Biological properties of soil and subsurface sediments under abandoned pasture and cropland. *Soil Biology and Biochemistry*. 28: 837-846.
- Yu, W., W.K. Dodds, M.K. Banks, J. Skalsky, and **E.A. Strauss**. 1995. Optimal staining and sample storage time for direct microscopic enumeration of total and active bacteria in soil using two fluorescent dyes. *Applied and Environmental Microbiology*. 61: 3367-3372.
- Strauss, E.A.**, W.K. Dodds, and C.C. Edler. 1994. The impact of nutrient pulses on trophic interactions in a farm pond. *Journal of Freshwater Ecology*. 9: 217-228.
- Dodds, W.K., **E.A. Strauss**, and R. Lehmann. 1993. Nutrient dilution and removal bioassays to estimate phytoplankton response to nutrient control. *Archiv fur Hydrobiologie*. 128: 467-481.

Major Graduate Advisor for:

- Brad Austin (FHSU, 2006 – present)

Graduate Committee Member for:

- Reid Northwick (UW-L), Kevin Miller (UW-L), Ryan Schmitz (FHSU), Rich Zwenger (FHSU, M.S. Biology Awarded 2007), Timothy Michel (UW-L, M.S. Biology Awarded 2003)

Courses Taught

At University of Wisconsin – La Crosse (Fall 2007 – Present)

- BIO 105 General Biology
- BIO 341 Limnology

At Fort Hays State University (Fall 2005 – Spring 2007)

- BIOL 100 Human Biology
- BIOL 200 Humans and the Environment
- BIOL 395 General Ecology
- BIOL 395L General Ecology Lab
- BIOL 490 General Microbiology
- BIOL 490L General Microbiology Lab
- BIOL 607 Topics in Biology: Microbial Ecology
- BIOL 657 Limnology
- BIOL 657L Limnology Lab
- BIOL 855 Seminar in Biology
- BIOL 892 Research in Biology

Courses Prior to Fall 2005:

- Nutrient Dynamics (University of Wisconsin - La Crosse, 2005)
- Nitrogen Cycling in Ecological Systems (University of Wisconsin - La Crosse, 2002)
- General Ecology Lab (Teaching Assistant, Notre Dame, 1998)
- Biostatistics Lab (Teaching Assistant, Notre Dame, 1998)
- Nutrient Dynamics Lab (Teaching Assistant, Kansas State, 1995)
- Limnology Lab (Teaching Assistant, Kansas State, 1994)
- Principles of Biology Lab (Teaching Assistant, Kansas State, 3 Semesters 1993-1994)

Departmental and Institutional Service

University of Wisconsin – La Crosse

Departmental Committee Member

- Budget Committee

Fort Hays State University

Department/University Committee Member

- Environmental Health Science Committee

- Safety Committee
- Undergraduate Scholarship Committee
- Curriculum Committee (Interim Chair)
- Space Committee
- Faculty Development Committee
- Student Court

Discipline Involvement and Service

Professional Society Memberships

- American Society of Limnology and Oceanography
- American Society for Microbiology
- Kansas Academy of Sciences
- North American Benthological Society

Professional Society Service

- Coordinated Special Session on “Nitrogen Cycling in Large Rivers” for the 49th Annual Meeting of the North American Benthological Society (2001)
- Coordinated Special Session on “Nitrogen Retention in Lotic Systems: Connecting soils to the sea” for the 53rd Annual Meeting of the North American Benthological Society (2005)

Peer Review Service

- Canadian Journal of Fisheries and Aquatic Sciences, Estuaries, FEMS Microbiology Ecology, Journal of Applied Ecology, Journal of the North American Benthological Society, Limnology and Oceanography, Oikos, Prairie Naturalist, and Water, Air, and Soil Pollution: Focus

Proposal Review Service

- USDA

Invited Presentations & Seminars

Strauss, E.A. 2006. Nitrogen loss due to denitrification in the Mississippi River. Invited presentation at the EPA science symposium: Sources, Transport, and Fate of Nutrients in the Mississippi and Atchafalaya River Basins. Minneapolis, MN.

Strauss, E.A. 2006. The nitrogen cycle in the Upper Mississippi River: inconsequential processes or a panacea? Invited seminar presented to Division of Biology, Kansas State University, Manhattan, KS.

Strauss, E.A. 2004. Heterogeneity problems in sampling large rivers. Workshop on Nitrogen Transport in Fluvial Networks. Konza Prairie Biological Station, Manhattan, KS.

Strauss, E.A., W.B. Richardson, L.A. Bartsch and J.C. Cavanaugh. 2003. Biological and physical controls of nitrogen cycling in the Upper Mississippi River. Midwest Fish and Wildlife Conference. Kansas City, MO.

- Strauss, E.A.** 2003. Scaling up denitrification rates: small assays to large systems. Presented in the special workshop: Methods of Determining Denitrification Rates in Lotic Ecosystems. LTER All Scientists Meeting. Seattle, WA.
- Strauss, E.A.** 2003. Nitrogen dynamics in lotic ecosystems: comparing and contrasting small streams and large rivers. USGS, Upper Midwest Environmental Sciences Center. La Crosse, WI.
- Strauss, E.A.** 2003. Our journey from erroneous assumptions to relevant and respected science: history and findings of the UMESC Nitrogen Project (1999-2003). USGS, Upper Midwest Environmental Sciences Center. La Crosse, WI.
- Strauss, E.A.,** L.A. Bartsch, J.A. Heinz, D.M. Soballe and W.B. Richardson. 2001. Nitrification and the potential for seasonal coupling with denitrification in Navigation Pool 8 of the Upper Mississippi River. North Central Branch of the American Society for Microbiology Meeting. La Crosse, WI.
- Strauss, E.A.,** L.A. Bartsch, J.A. Heinz and W.B. Richardson. 2000. Spatial and temporal patterns of ammonia oxidation in the Upper Mississippi River. Fall Meeting of the American Geophysical Union. San Francisco, CA.

Other Presentations at International/National/Regional Scientific Meetings

- Austin, B.J. and **E.A. Strauss.** 2007. Assessment of nitrification and denitrification in two streams of the Kansas River watershed in central Kansas. Annual Meeting of the North American Benthological Society. Columbia, South Carolina. (Poster).
- Duff, J. H., A. J. Tesoriero, W.B. Richardson, **E.A. Strauss,** and M.D. Munn. 2007. Whole stream response to NO₃ loading in three streams draining agricultural landscapes. Annual Meeting of the North American Benthological Society. Columbia, South Carolina.
- Strauss, E.A.,** W.B. Richardson, L.A. Bartsch, and J.C. Cavanaugh. 2007. Nitrogen loss in the Mississippi River due to denitrification. Annual Meeting of the North American Benthological Society. Columbia, South Carolina. (Poster).
- Leiker, J., S. Minson, R. Stephenson, and **E.A. Strauss.** 2007. Big Creek watershed monitoring project. Water and the Future of Kansas. Topeka, KS. (Poster)
- Strauss, E.A.,** W.B. Richardson, L.A. Bartsch, and J.C. Cavanaugh. 2006. In-stream Nitrogen Loss Due to Denitrification in the Mississippi River from Minneapolis to the Atchafalaya River Diversion. International Conference on Rivers and Civilization: Multidisciplinary Perspectives on Major River Basins. La Crosse, WI.
- Richardson, W.B., **E.A. Strauss,** L.A. Bartsch, and J.C. Cavanaugh. 2006. Patterns of Nitrogen Cycling in the Upper Mississippi River (UMR) and Floodplain. International Conference on Rivers and Civilization: Multidisciplinary Perspectives on Major River Basins. La Crosse, WI.
- Bartsch, L.A., W.B. Richardson, J.C. Cavanaugh, and **E.A. Strauss.** 2006. Hydraulic Connectivity of Backwater Areas to Flowing Channels Influences Nitrogen Dynamics Within Upper Mississippi River. International Conference on Rivers and Civilization: Multidisciplinary Perspectives on Major River Basins. La Crosse, WI. (Poster).
- Cavanaugh, J.C., W.B. Richardson, L.A. Bartsch, and **E.A. Strauss.** 2006. Nitrogen Cycling in Sediment During Water Level Drawdown on the Upper Mississippi River.

- International Conference on Rivers and Civilization: Multidisciplinary Perspectives on Major River Basins. La Crosse, WI. (Poster).
- Duff, J., J. Tesoriero, W.B. Richardson, **E.A. Strauss**, and M. Munn. 2006. Whole Stream Responses to Nitrate Loading in Three Streams Draining Agricultural Landscapes in Washington, Maryland, and Nebraska. American Society of Limnology and Oceanography Summer Meeting. Victoria, British Columbia, Canada. (Poster).
- Duff, J., J. Tesoriero, W.B. Richardson, **E.A. Strauss**, and M. Munn. 2006. Whole Stream Responses to Nitrate Loading in Three Streams Draining Agricultural Landscapes in Washington, Maryland, and Nebraska. National Water Quality Monitoring Council (NWQMC) 5th National Monitoring Conference. San Jose, CA. (Poster).
- Richardson, W.B., **E.A. Strauss**, L.A. Bartsch, and J.C. Cavanaugh. 2006. Control of Nitrogen Cycling Processes in the Upper Mississippi River (UMR). National Water Quality Monitoring Council (NWQMC) 5th National Monitoring Conference. San Jose, CA.
- Miller, K., **E.A. Strauss**, J.C. Cavanaugh, and B. Bratina. 2005. Characterization of microbial nitrification and denitrification in an urban Wisconsin marsh. The Joint International Symposia for Subsurface Microbiology (ISSM 2005) and Environmental Biogeochemistry (ISEB XVII). Jackson Hole, WY. (Poster).
- Richardson, W.B., W. James, **E.A. Strauss**, L.A. Bartsch, and J.C. Cavanaugh. 2005. Hydrologic control of nitrate loading and transformation in backwater lakes of the Upper Mississippi River. Annual Meeting of the North American Benthological Society. New Orleans, LA.
- Strauss, E.A.**, W.B. Richardson, J. Rogala, L.A. Bartsch and J.C. Cavanaugh. 2004. Effects of denitrification on nitrogen load in the Upper Mississippi River system. Annual Meeting of the North American Benthological Society. Vancouver, BC, Canada.
- Bartsch, L.A., W.B. Richardson, **E.A. Strauss**, J.C. Cavanaugh, and R.M. Kreiling. 2004. Nitrogen cycling and nitrate uptake in plant beds of the Upper Mississippi River. Annual Meeting of the North American Benthological Society. Vancouver, BC, Canada.
- Bruesewitz, D.A., J.L. Tank, W.B. Richardson, **E.A. Strauss**, and M.J. Bernot. 2004. Do zebra mussels influence sediment denitrification rates? A seasonal study of the Upper Mississippi River. Annual Meeting of the North American Benthological Society. Vancouver, BC, Canada.
- Cavanaugh, J.C., W.B. Richardson, **E.A. Strauss**, L.A. Bartsch, and R.M. Kreiling. 2004. Regulation of denitrification by nitrate availability in a large river system. Annual Meeting of the North American Benthological Society. Vancouver, BC, Canada.
- Strauss, E.A.**, W.B. Richardson, L.A. Bartsch and J.C. Cavanaugh. 2003. The nitrogen cycle in the Upper Mississippi River: patterns, controls, and importance. LTER All Scientists Meeting. Seattle, WA. (Poster).
- Strauss, E.A.**, J.C. Cavanaugh, W.B. Richardson, L.A. Bartsch and D.M. Soballe. 2003. Nitrogen cycle responses to water level manipulations in the Upper Mississippi River. Annual Meeting of the North American Benthological Society. Athens, GA.

- Bruesewitz, D.A., J.L. Tank, M.J. Kemp, W.B. Richardson, and **E.A. Strauss**. 2003. Sediment denitrification associated with zebra mussel beds. Annual Meeting of the North American Benthological Society. Athens, GA. (Poster).
- Cavanaugh, J.C., **E.A. Strauss**, L.A. Bartsch, W.B. Richardson, and D.M. Soballe. 2003. Nitrogen cycling during sediment desiccation and rewetting in the Upper Mississippi River, Navigation Pool 8. Mississippi River Research Consortium Annual Meeting. La Crosse, WI. (Poster).
- Lipke, C.M., L.A. Bartsch, **E.A. Strauss**, W.B. Richardson, and J.C. Cavanaugh. 2003. Factors influencing spatial variation in nitrogen fixation. Mississippi River Research Consortium Annual Meeting. La Crosse, WI. (Poster).
- Richardson, W.B., L.A. Bartsch, and **E.A. Strauss**. 2003. Nitrogen cycling at the land-water interface of a large flood plain river: inundation and nitrate delivery as a determinant of denitrification potential. Midwest Fish and Wildlife Conference. Kansas City, MO.
- Strauss, E.A.**, W.B. Richardson, L.A. Bartsch, J.C. Cavanaugh, D.A. Bruesewitz, H.J. Imker and D.M. Soballe. 2002. Effect of water level drawdown on nitrogen cycling in Upper Mississippi River Pool 8. Mississippi River Research Consortium Annual Meeting. La Crosse, WI.
- Strauss, E.A.**, W.B. Richardson, J.C. Cavanaugh, L.A. Bartsch and D.M. Soballe. 2002. Patterns of nitrogen concentrations and export from navigation pool 8 of the Upper Mississippi River. Annual Meeting of the North American Benthological Society. Pittsburgh, PA.
- Cavanaugh, J.C., D.A. Bruesewitz, L.A. Bartsch, **E.A. Strauss**, W.B. Richardson, D.M. Soballe, and A.M. Mahan. 2002. Water level drawdown: impacts on sediment characteristics and porewater nitrogen in Mississippi River Pool 8. Mississippi River Research Consortium Annual Meeting. La Crosse, WI. (Poster)
- Strauss, E.A.**, L.A. Bartsch, E.M. Monroe, L.D. Rabuck, J.A. Heinz, D.M. Soballe and W.B. Richardson. 2001. Nitrification and potential nitrification/denitrification coupling in the Upper Mississippi River. Annual Meeting of the North American Benthological Society. La Crosse, WI.
- Bartsch, L.A., **E.A. Strauss**, E.M. Monroe, L.D. Rabuck, D.M. Soballe, and W.B. Richardson. 2001. Effects of water level fluctuation and channel connectivity on nitrogen dynamics in the Upper Mississippi River. Annual Meeting of the North American Benthological Society. La Crosse, WI.
- Bratina, B., C. Galer, W.B. Richardson, and **E.A. Strauss**. 2001. Distribution of bacteria involved in denitrification and ammonia oxidation in the Upper Mississippi River. Annual Meeting of the North American Benthological Society. La Crosse, WI.
- Rabuck, L.D., E.M. Monroe, W.B. Richardson, L.A. Bartsch, **E.A. Strauss**, and T.J. Michel. 2001. Temporal and spatial distribution of total ammonia nitrogen in pore water and sediments of the Upper Mississippi River, La Crosse, Wisconsin. Annual Meeting of the North American Benthological Society. La Crosse, WI. (Poster).
- Richardson, W.B., **E.A. Strauss**, L.A. Bartsch, E.M. Monroe, L.D. Rabuck, D.M. Soballe, and T.J. Michel. 2001. Patterns of nitrogen cycling processes in the Upper Mississippi River: Potential limitation by nitrate availability. Annual Meeting of the North American Benthological Society. La Crosse, WI.

- Rogala, J.T., D.M. Soballe, W.B. Richardson, **E.A. Strauss**, and E.M. Monroe. 2001. System-wide potential for denitrification in the Upper Mississippi River. Annual Meeting of the North American Benthological Society. La Crosse, WI.
- Silva, S. R., C. Kendall, S.D. Wankel, W.B. Richardson, and **E.A. Strauss**. 2001. Spatial distributions of nitrogen and carbon isotopic compositions of biota in the Upper Mississippi River near La Crosse, Wisconsin. Annual Meeting of the North American Benthological Society. La Crosse, WI. (Poster)
- Strauss, E.A.** and G.A. Lamberti. 2000. Effect of organic carbon quality on microbial decomposition of DOC and nitrification in stream sediments. Annual Meeting of the North American Benthological Society. Keystone, CO.
- Bartsch, L.A., D.M. Soballe, W.B. Richardson, **E.A. Strauss**, and D.M. Wasley. 2000. Nitrate movement and transformation within the Upper Mississippi River - floodplain system. Annual Meeting of the North American Benthological Society. Keystone, CO. (Poster)
- Dodds, W.K., M. Evans-White, N.M. Gerlanc, L. Gray, D. Gudder, M.J. Kemp, A. Lopez, D.M. Stagliano, **E.A. Strauss**, J.L. Tank, M. Whiles, and W.M. Wollheim. 2000. Quantification of the nitrogen cycle in a prairie stream: Konza LINX. Annual Meeting of the North American Benthological Society. Keystone, CO.
- Richardson, W.B., D.M. Soballe, **E.A. Strauss**, L.A. Bartsch, E.M. Monroe, and L.D. Rabuck. 2000. A Multi-Scale Examination of Nitrogen Dynamics and Processes in the Upper Mississippi River, a Large Temperate Floodplain River. Nutrient over-enrichment in coastal waters: global patterns of cause and effect symposium. National Academy of Sciences, Washington, D.C. (Poster)
- Richardson, W.B., D.M. Soballe, **E.A. Strauss**, L.A. Bartsch, L. Rabuck, E. Monroe, and T.J. Michel. 2000. Nitrogen dynamics and processes in the Upper Mississippi River, a large temperate floodplain river. Fall Meeting of the American Geophysical Union. San Francisco, CA.
- Richardson, W. B., **E.A. Strauss**, E. Monroe, L. Rabuck, L.A. Bartsch, and D.M. Soballe. 2000. Denitrification in the Upper Mississippi River: Potential limitation by hydraulic exchange and nitrate delivery. Annual Meeting of the North American Benthological Society. Keystone, CO.
- Richardson, W.B., **E.A. Strauss**, E.M. Monroe, L.D. Rabuck, L.A. Bartsch, and D.M. Soballe. 2000. Denitrification in the Upper Mississippi River: the role of nitrate delivery and sediment carbon. Mississippi River Research Consortium Annual Meeting. La Crosse, WI.
- Strauss, E.A.** and G.A. Lamberti. 1999. Investigating potential factors controlling nitrification rates in stream sediments. Annual Meeting of the North American Benthological Society. Duluth, MN. (Poster).
- Kemp, M.J., **E.A. Strauss**, and W.K. Dodds. 1999. Patterns of dissolved oxygen concentrations and nitrification rates among different substrates in prairie streams. Annual Meeting of the North American Benthological Society. Duluth, MN.
- Mitchell, N.L., **E.A. Strauss**, and G.A. Lamberti. 1999. Effectiveness of retention ponds at reducing negative impacts of stormwater discharge into streams. Annual Meeting of the North American Benthological Society. Duluth, MN. (Poster)

- Strauss, E.A.** and G.A. Lamberti. 1998. Role of environmental C:N ratio and DOC in regulating nitrification in stream sediments. Annual Meeting of the North American Benthological Society. Charlottetown, Prince Edward Island, Canada.
- Strauss, E.A.** and G.A. Lamberti. 1997. Extent and controlling factors of nitrification in stream sediments. Annual Meeting of the North American Benthological Society. San Marcos, TX. (Poster).
- Strauss, E.A.** and W.K. Dodds. 1995. Protozoa-bacteria interactions in subsurface sediments and the subsequent effects on nitrification. Annual Meeting of the North American Benthological Society. Keystone, CO.
- Strauss, E.A.** and W.K. Dodds. 1994. Characterization of the microbial communities in agricultural and pristine prairie subsurfaces. Second International Conference on Groundwater Ecology. Atlanta, GA.
- Strauss, E.A.,** W.K. Dodds and C. Edler. 1992. Trophic Interactions in a Kansas Farm Pond. Great Plains Limnology Conference. Lake of the Ozarks, MO. (Poster).

Research Grants and Contracts Received

- Big Creek Watershed Monitoring Project. 2007. Awarded \$46,367.
- Determination of nutrient limitation of primary production in Kansas Streams. FHSU Graduate School Research Award. Awarded \$2,883.
- Non-Point Source Water Pollution of Big Creek. 2006 – 2007. WaterLINK – Kansas Department of Health and Environment. Funded at \$5,000. Lead PI: Dr. Robert J. Stephenson, FHSU, Dept. of Agriculture.
- Understanding and Forecasting Ecological Change: Causes, Trajectories, and Consequences of Environmental Change in the Central Plains. 2006 – 2008. National Science Foundation EPSCoR Grant. Funded at \$101,000.
- Nitrogen Isotope Modeling and Synthesis for Three Agricultural Streams in Washington, Maryland, and Nebraska. 2006. Contract with the U.S. Geological Survey. Awarded \$7,500.
- Assessment of Hydrology and Nitrogen Cycling in the Saline River. 2006. FHSU Graduate School Summer Research Salary. Awarded \$3,128.
- Assessment of Hydrology and Nitrogen Cycling in the Saline River. 2006. FHSU Graduate School Research Award. Awarded \$3,347.
- Effects of Dissolved Organic Carbon on Nitrification Rates in Aquatic Ecosystems. 1998. Doctoral Dissertation Improvement Grant awarded by the National Science Foundation. Funded at \$9,985.
- An Evaluation of the Performance of Two Stormwater Filters for Juday Creek, St. Joseph County, Indiana. 1997. Awarded by the St. Joseph County (Indiana) Drainage Board. Funded at \$19,000 + two one-year renewals (\$11,000 each).

Honors and Distinctions

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| 2005 | U.S. Department of Interior, Star Award for Outstanding Achievement |
| 1998 | Navari Fellowship, University of Notre Dame |
| 1995 | Christopher Edler Outstanding Konza Prairie Graduate Student Award, Kansas State University |

1995 Department of Biology Travel Award, Kansas State University
1995 Phi Kappa Phi Honor Society