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EDUCATION

- Ph.D.** University of Wisconsin – Madison, Department of Zoology, 2006.
 Dissertation: *Spatial and temporal heterogeneity of nitrogen, carbon and vegetation in the Wisconsin River and its floodplain*. Advisor: Dr. Monica Turner
- M.S.** University of Wisconsin – Madison, Department of Zoology, 2002.
 Thesis: *Importance of flood regime for tree growth and shrub productivity on the Wisconsin River floodplain and uplands, Wisconsin U.S.A.* Advisor: Dr. Monica Turner
- B.A.** University of Chicago, Biology (Honors), Specialization in Ecology & Evolution, 1998.

RESEARCH EXPERIENCE

- 2007- **Senior Research Specialist**, School of Natural Resources, University of Arizona
 2003-06 **Graduate Research Assistant**, Center for Limnology and Department of
 Zoology, University of Wisconsin – Madison
 2000-03 **NSF Integrated Graduate Research Trainee (IGERT)**,
 University of Wisconsin – Madison, program linking Social and Aquatic Sciences
 1997 **NSF REU Fellow**, University of Chicago
 1996-99 **Field and Laboratory Assistant**, Ecology and Evolution, University of Chicago

TEACHING EXPERIENCE

- 2007-12 **Guest Lecturer**, RNR 200: Foundations in History and Policy, University of
 Arizona
 2005 **Guest Lecturer**, Biocore 301: Ecology, Evolution & Genetics, University of
 Wisconsin – Madison
 2003-05 **Discussion Teaching Assistant**, Biocore 301: Ecology, Evolution & Genetics,
 Biocore Program, University of Wisconsin – Madison
 Designed and taught discussion curriculum
 2004 **Laboratory and Discussion Teaching Assistant**, Ecology 460: General Ecology
 Department of Botany, University of Wisconsin – Madison
 Designed and taught laboratory and discussion curriculum
 2001 **Laboratory Teaching Assistant**, Zoology 151: Introductory Biology,
 Department of Zoology, University of Wisconsin – Madison

HONORS AND AWARDS

2005	Vilas Travel Fellowship
2004	Edward G. and Anna G. Birge Research Award
2001, 2004	John Jefferson Davis Award
2000-03	NSF IGERT Fellowship
1997	NSF REU Fellowship

PUBLICATIONS

Predick, K.I., S.M. Aguilon, D. Keller and S.R. Archer. In preparation. Does UV Radiation Alter Short-Term Leaf Litter Decomposition in Contrasting Dryland Canopy Regimes?

Predick, K.I. and S.R. Archer. In preparation. A meta-analytic assessment of woody plant encroachment and the role of grazing.

Orr, C.H., **K.I. Predick**, E.H. Stanley and K.L. Rogers. Submitted. Spatial autocorrelation of denitrification in a restored and a natural floodplain. *Wetlands*.

Archer, S.R., K. Davies, T. Fulbright, K. McDaniel, B. Wilcox, and **K.I. Predick**. 2011. Brush management as a rangeland conservation tool: a critical evaluation. *In* D. Briske and L. Jolley, editors. *Conservation Benefits of Rangeland Practices: Assessment, Recommendations, and Knowledge Gaps*. Allen Press, Lawrence KS.

Predick, K.I. and E.H. Stanley. 2010. Influence of vegetation and seasonal flow patterns on parafluvial nitrogen retention in a 7th-order river. *Journal of the North American Benthological Society* 24:904-917.

Archer, S.R. and **K.I. Predick**. 2008. Climate change and ecosystems of the Southwestern United States. *Rangelands* 30(3): 23-38.

Predick, K.I., S.E. Gergel, and M.G. Turner. 2008. Effect of flood regime on tree growth in the floodplain and surrounding uplands of the Wisconsin River. *River Research and Applications* 24: 1-14.

Predick, K.I. and M.G. Turner. 2008. Invasive shrub abundance, presence and productivity in floodplain forest on the Wisconsin River floodplain. *Journal of Ecology* 96: 91-102.

Hale B., M. Steen-Adams, **K.I. Predick** and N. Fisher. 2005. Ecological conservation through aesthetic landscape planning: A case study of the Lower Wisconsin State Riverway. *Environmental Management* 35(4): 381-395.

Forshay K., H. Mozaria-Luna, B. Hale and **K.I. Predick**. 2005. Landowner satisfaction with the Wetlands Reserve Program in Wisconsin. *Environmental Management* 36(2): 248-257.

Hanson P.C., A.I. Pollard, D.L. Bade, **K.I. Predick**, S.R. Carpenter and J.A. Foley. 2004. A model of carbon evasion and sedimentation in temperate lakes. *Global Change Biology* 10: 1285-1298.

INVITED PRESENTATIONS

- 2011 Loyola University, Chicago, Department of Environmental Science
2008 University of Arizona, Tucson, School of Natural Resources
2006 University of Wisconsin – Madison, Department of Zoology
2004 Wooded Wetlands Conference, Wausau, Wisconsin Wetlands Association

CONTRIBUTED PRESENTATIONS

- Coe, M., **K.I. Predick**, J. Field, D. Breshears S.R. Archer. 2012. The Equation of Dust: How Vegetation Clusters Influence Wind Corridors and Erosion. Research Insights in Semiarid Ecosystems (RISE) Symposium, Tucson, AZ (poster).
- Aguillon, S.M., **K.I. Predick**, E.M. Levi, J.A. Nelson, R.L. McCulley, H.L. Throop and S.R. Archer. 2012. Does UV Alter Short-Term Leaf Litter Decomposition? Ecological Society of America (ESA) Meeting, Austin, TX (poster).
- Keller, D.A., S.R. Archer, **K.I. Predick** and T.D. Sutton. 2012. The K-12 Standards Conundrum: Math, Ecology, & Authentic Research. Ecological Society of America (ESA) Meeting, Austin, TX (poster).
- Levi, E.M., S.R. Archer, H.L. Throop, **K.I. Predick**, P.W. Barnes and M.A. Tobler. 2012. Soil deposition and UV radiation influence litter decomposition in a shrub-invaded dryland ecosystem. Ecological Society of America (ESA) Meeting, Austin, TX (talk).
- Predick, K.I.** and S.R. Archer. 2009. Does livestock grazing promote woody plant encroachment in drylands? Ecological Society of America (ESA) Meeting, Albuquerque, NM (poster).
- Predick, K.I.** and M.G. Turner. 2006. Spatial and temporal processing in nitrogen processing in the Wisconsin River. North American Benthological Society Meeting, Anchorage, AK (talk).
- Predick, K.I.** and E.H. Stanley. 2005. The influence of sandbar vegetation on hyporheic nitrogen processing. North American Benthological Society Meeting, New Orleans, LA (talk).
- Predick, K.I.** and M.G. Turner. 2004. Influence of flooding on spatial patterns of carbon content in fine sediment on the Wisconsin River floodplains and uplands. Ecological Society of America (ESA) Meeting, Portland, OR (talk).
- Predick, K.I.**, S.E. Gergel and M.G. Turner. 2003. Effect of altered flood occurrence on tree productivity on the Wisconsin River floodplain. Cary Conference, Millbrook, NY (poster).
- Predick, K.I.**, S.E. Gergel and M.G. Turner. 2001. Effect of altered flood occurrence on tree productivity on the Wisconsin River floodplain. International Association of Landscape Ecology (IALE), Phoenix, AZ (poster).

SERVICE AND OUTREACH

2011-13 NSF-RET Teacher mentor
2005, 2007-13 NSF-REU Fellow mentor
2010-13 M.S. committee member, University of Arizona
2010-13 Passport to High School participant
2010-11 Arizona Assurance Mentor
2010 undergraduate Capstone senior thesis research mentor
2010 Arizona Science Teacher Advancement and Research Training Teacher mentor
2009 iPlant Collaborative Summer Teacher Fellow mentor
2007- present undergraduate student workers manager

Manuscript Reviewer for:

Ambio, Applied Vegetation Science, Ecological Applications, Ecology, Ecosystems, International Journal of Applied Geospatial Research, Journal of Ecology, Plant Ecology, Rangeland Ecology and Management