

CURRICULUM VITAE for COLDEN V. BAXTER**December 9th, 2016**

Department of Biological Sciences
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EDUCATION

Ph.D., Fisheries Science, 2002. Department of Fisheries and Wildlife, Oregon State University, Corvallis, Oregon. Minor in Philosophy of Science. Advisors: H.W. Li and B.E. McIntosh.

M.S., Organismal Biology and Ecology, 1997. The Flathead Lake Biological Station, Department of Biological Sciences, University of Montana, Missoula. Advisor: F.R. Hauer.

B.A., Biology and Geology, 1993. University of Oregon, Eugene, Oregon.

EMPLOYMENT*Professor*

Department of Biological Sciences, Idaho State University (2016-present)

Associate Professor

Department of Biological Sciences, Idaho State University (2010-present)

Assistant Professor

Department of Biological Sciences, Idaho State University (2004-2010)

Postdoctoral Research Associate

Department of Fishery and Wildlife Biology, Colorado State University (2002-2004)

Postdoctoral Fellow, Japan Society for the Promotion of Science, Hokkaido U., Japan

Graduate Research Assistant

Department of Fisheries and Wildlife, Oregon State University (1997-2002)

Biological Technician

Department of Fisheries and Wildlife, Oregon State University (1997)

Graduate Research Assistant

The Flathead Lake Biological Station, University of Montana (1994-1997)

Hydrologist

Colorado District Office, Water Resources Division, U.S. Geological Survey (1994)

Undergraduate Research Assistant

Department of Biological Sciences, University of Oregon (1992-1993)

Department of Geological Sciences, University of Oregon (1991)

TEACHING EXPERIENCE

Idaho State University (2004-present). Department of Biological Sciences. Courses (regularly taught) - Introduction to Ecology (Biol 1192), General Ecology (Biol 2209+lab), Freshwater Ecology (Biol 4462/5562+lab), Advanced Ecology of Streams & Rivers (Biol 6604), History

and Philosophy of Biology (Biol 5599); periodically taught - Field Ecology (Biol 4489/5589), Senior Seminar-Analysis of Complex Systems (Biol 4491), Community & Ecosystem Ecology (Biol 4499/5599), Ecosystem Ecology (Biol 6651), Advanced Ecology of Communities & Food Webs (Biol 6651), Internship in Science, Technology, Engineering & Mathematics (STEM) for Native Students (Biol 3399), "Portneuf Perspectives" (ISU Continuing Education)

Colorado State University (2002-2004). Department of Fishery and Wildlife Biology.
Courses: Fish Ecology (co-instructor), Wildlife Inquiries (co-instructor)

Oregon State University (2001). Instructor, Department of Fisheries and Wildlife.
Courses: Integrating Community and Landscape Ecology of Stream Fishes, Management Principles of Pacific Salmon in the Northwest (web-based course)

Oregon State University (2000). Graduate Teaching Assistant, Dept. of Fisheries and Wildlife
Course: Systematics of Fishes.

Oregon State University (1999-2002). Head Coach, Track and Cross Country Club

Northwest Regional Education Service District, Oregon (1993 & 1996). Field Instructor,
Yamhill and Cedar Ridge Outdoor Schools (outdoor education for sixth-grade students)

Cal Young Middle School, Eugene, Oregon (1992-1993). Intern-teacher. Coordinated E.P.A.-funded stream habitat restoration project

PUBLICATIONS

Publications (* denotes student or postdoc advisee; 61 total):

- Kennedy, T.A., J.D. Muehlbauer, C.B. Yackulic, D.A. Lytle, S.W. Miller, K. L. Dibble, E.W. Kortenhoeven, A.N. Metcalfe and C.V. Baxter. 2016. Flow management for hydropower extirpates aquatic insects, undermining river food webs. *BioScience*. Available on-line early doi:10.1093/biosci/biw059.
- Baxter, C.V. T.A. Kennedy, S.W. Miller, J.D. Muehlbauer, and L.A. Smock. 2016. Macroinvertebrate drift, adult insect emergence and oviposition. pp. xx-xx *In* F. R. Hauer and G. A. Lamberti, editors. *Methods in stream ecology*. Academic Press, San Diego. 3rd Edition. In press.
- *Heinrich, K.K., K. Robson, and C.V. Baxter. 2016. Investigating aquatic insect emergence: A demonstration of the 5E learning cycle. *American Biology Teacher*. In press.
- Mejia, F.H., C.V. Baxter, E.K. Berntsen, and A.K. Fremier. 2016. Linking groundwater-surface water exchange to food production and salmonid growth. *Canadian Journal of Fisheries and Aquatic Sciences* 73:1650–1660.
- Rosi-Marshall, E.J., K. Vallis, C.V. Baxter and *J.M. Davis. 2016. Retesting a prediction of the RCC: Autochthonous versus allochthonous resources in the diets of invertebrates from the Salmon River, ID in 1976 and 2009. *Freshwater Science* 35(2). Available on-line early doi: 10.1086/686302.
- *Collins, S.F., C.V. Baxter, *A.M. Marcarelli and M.S. Wipfli. 2016. Effects of experimentally added salmon subsidies on resident fishes via direct and indirect pathways. *Ecosphere* 7(3).
- *Harris, H.E., C.V. Baxter and *J.M. Davis. 2015. Debris flows mediate effects of wildfire on magnitude and composition of tributary subsidies to main-stem habitats. *Freshwater Science* 34(4):1457–1467.

- Verkaik, I., M. Vila-Escalé, M. Rieradevall, C.V. Baxter, P.S. Lake, G.W. Minshall, P. Reich, and N. Prat. 2015. Stream macroinvertebrate community responses to fire: are they the same in different fire-prone biogeographic regions? *Freshwater Science* 34(4):1527–1541.
- *Collins, S. F., *A.M. Marcarelli, C.V. Baxter, and M.S. Wipfli. 2015. A critical assessment of the ecological assumptions underpinning compensatory mitigation of salmon-derived nutrients. *Environmental Management* 3:571-586.
- Walters, D.M., E.J. Rosi-Marshall, T.A. Kennedy, W.F. Cross and C.V. Baxter. 2015. Mercury and selenium contamination in the Colorado River food web, Grand Canyon, USA. *Environmental Toxicology and Chemistry* 34:2385-2394.
- Jackson, B.K., S.M.P. Sullivan, C.V. Baxter and *R.L. Malison. 2015. Stream-Riparian Ecosystems and Mixed- and High-Severity Fire. Chapter 5 in *Nature's Phoenix: The Ecological Importance of Mixed-Severity Fire*, D.A. DellaSala and C. Hanson, eds. Elsevier.
- *Bellmore, J. R., C.V. Baxter, and P.J. Connolly. 2015. Spatial complexity reduces interaction strengths in the meta-food web of a river floodplain mosaic. *Ecology* 96:274–283 <http://dx.doi.org/10.1890/14-0733.1>
- *Collins, S. F. and C.V. Baxter. 2014. Heterogeneity of riparian habitats mediates responses of terrestrial arthropods to a subsidy of Pacific salmon carcasses. *Ecosphere* 5(11):146. <http://dx.doi.org/10.1890/ES14-00030.1>.
- Zahn Seegert, S.E., E.J. Rosi-Marshall, C.V. Baxter, T.A. Kennedy, R.O. Hall, Jr., and W.F. Cross. 2014. High diet overlap between native small-bodied fishes and non-native Fathead Minnow in the Colorado River, Grand Canyon, Arizona. *Transactions of the American Fisheries Society* 143:1072-1083.
- *Bellmore, J. R. and C.V. Baxter. 2014. Effects of geomorphic process domains on the structure and function of aquatic ecosystems: a comparison of floodplain and confined river segments. *River Research and Applications* 30: 617–630.
- *Marcarelli, A.M., C.V. Baxter and M.S. Wipfli. 2014. Nutrient additions to mitigate for loss of Pacific salmon: consequences for stream biofilm and nutrient dynamics. *Ecosphere* 5(6):69. <http://dx.doi.org/10.1890/ES13-00366.1>.
- *Benjamin, J.R., F. Lepori, C.V. Baxter, and K.D. Fausch. 2013. Can replacement of native by non-native trout alter stream-riparian food webs? *Freshwater Biology* 58:1694–1709.
- Cross, W. F., C. V. Baxter, E. J. Rosi-Marshall, R. O. Hall, Jr., T. A. Kennedy, *K. C. Donner, S.E.Z. Seegert, H. A. W. Kelly, *M.D. Yard, and *K.E. Behn. 2013. Foodweb dynamics in a large river discontinuum. *Ecological Monographs* 83:311–337.
- *Davis, J M., C.V. Baxter, B.T. Crosby, J.L. Pierce, E. J. Rosi-Marshall. 2013. Anticipating stream ecosystem responses to climate change: toward predictions that incorporate effects via land-water linkages. *Ecosystems* 16:909-922.
- Wellard K.H.A., E.J. Rosi-Marshall, T.A. Kennedy, R.O. Hall, W.F. Cross, and C.V. Baxter. 2013. Macroinvertebrate diets reflect longitudinal and turbidity-driven changes in food availability in the Colorado River downstream of Glen Canyon Dam. *Freshwater Science* 32(2):397–410.
- *Bellmore, J. R., C.V. Baxter, P.J. Connolly, and K. Martens. 2013. The floodplain food web mosaic: a study of its importance to Pacific salmon and steelhead with implications for their restoration. *Ecological Applications* 23:189–207.
- *Davis, J M., C.V. Baxter, G.W. Minshall, N.F. Olson, C. Tang, and B.T. Crosby. 2013. Climate-induced shift in hydrologic regime alters basal resource dynamics in a wilderness river ecosystem. *Freshwater Biology* 58:306–319.
- *Bechtold, H. A., *A.M. Marcarelli, C.V. Baxter, R.S. Inouye. 2012. Effects of N, P, and organic carbon on stream biofilm nutrient limitation and uptake in a semi-arid watershed. *Limnology and Oceanography* 57:1544-1554.

- Lepori, F., *J.R. Benjamin, K.D. Fausch, and C.V. Baxter. 2012. Are invasive and native trout functionally-equivalent predators? Results and lessons from a field experiment. *Aquatic Conservation: Marine and Freshwater Ecosystems* 22: 787–798.
- *Mineau, M.M., C.V. Baxter, *A.M. Marcarelli, G.W. Minshall. 2012. An invasive riparian tree reduces stream ecosystem efficiency via a recalcitrant organic matter subsidy. *Ecology* 93:1501–1508.
- *Bellmore, J. R., C.V. Baxter, A. Ray, L. Denny, E. Galloway, K. Tardy. 2012. Assessing the potential for salmon recovery via floodplain restoration: A multitrophic level comparison of dredge-mined to reference segments. *Environmental Management* 49:734-750.
- *Benjamin, J.R. and C.V. Baxter. 2012. Is a trout a trout? A range-wide comparison shows nonnative brook trout exhibit greater density, biomass, and production than native inland cutthroat trout. *Biological Invasions* 14:1865–1879.
- McWethy, D.B., W.F. Cross, C.V. Baxter, C. Whitlock, and R.E. Gresswell. 2012. Natural disturbance dynamics – shaping the Yellowstone landscape. Invited chapter *In* R.A. Garrott and P.J. White, editors. *Yellowstone's wildlife in transition*. Harvard University Press.
- *Benjamin, J.R. K.D. Fausch, and C.V. Baxter. 2011. Species replacement by a nonnative salmonid alters ecosystem function by reducing prey subsidies that support riparian spiders. *Oecologia* 167(2):503-12.
- *Lance, M.J. and C.V. Baxter. 2011. Abundance, production, and tissue composition of mountain whitefish (*Prosopium williamsoni*) in a central Idaho wilderness stream. *Northwest Science* 85(3):445-454.
- *Marcarelli, A.M., C.V. Baxter, *M.M. Mineau, R.O. Hall Jr. 2011. Quantity and quality: unifying food web and ecosystem perspectives on the role of resource subsidies in freshwaters. *Ecology* 92: 1215-1225. DOI 10.1890/10-2240.1
- Cross, W.F., C.V. Baxter, *K.C. Donner, E.J. Rosi-Marshall, T.A. Kennedy, R.O. Hall, Jr., H.W. Kelly, and R.S. Rogers. 2011. Ecosystem ecology meets adaptive management: food web response to a controlled flood on the Colorado River, Glen Canyon. *Ecological Applications* 21(6):2016–2033.
- *Mineau, M.M., C.V. Baxter, *A.M. Marcarelli. 2011. A non-native riparian tree (*Elaeagnus angustifolia*) changes nutrient dynamics in streams. *Ecosystems* 14: 353-365.
- Torgersen, C.E., C.V. Baxter, J.L. Ebersole, R.E. Gresswell. 2011. Incorporating spatial context into the analysis of salmonid-habitat relations. Gravel-bed Rivers: Processes, Tools, Environments, First Edition. Edited by Michael Church, Pascale M. Biron and Andre´ Roy. John Wiley & Sons, Ltd.
- *Yard, M.D., L.G. Coggins, C.V. Baxter, G.E. Bennett, and J.T. Korman. 2011. Trout piscivory in the Colorado River, Grand Canyon: Effects of turbidity, temperature, and fish prey availability. *Transactions of the American Fisheries Society* 140:471–486.
- *Marcarelli, A.M., R.W. Van Kirk and C.V. Baxter. 2010. Predicting effects of hydrologic alteration and climate change on ecosystem metabolism in a western U.S. river. *Ecological Applications* 20(8):2081–2088.
- Wipfli, M.S. and C.V. Baxter. 2010. Linking ecosystems, food webs, and fish production: Subsidies in salmonid watersheds. *Fisheries* 35:373-387.
- Fausch, K.D., C.V. Baxter, and M. Murakami. 2010. Multiple stressors in north temperate streams: lessons from linked forest-stream ecosystems in northern Japan. *Freshwater Biology* 55: 12-134.
- *Benjamin, J.R. and C.V. Baxter. 2010. Do nonnative salmonines exhibit greater density and production than the natives they replace? A comparison of nonnative brook trout to native cutthroat trout. *Transactions of the American Fisheries Society* 139:641-651.

- *Malison, R.L. and C.V. Baxter. 2010. Effects of wildfire of varying severity on benthic stream insect assemblages and emergence. *Journal of North American Benthological Society* 29: 647-656.
- *Malison, R.L., *J.R. Benjamin, and C.V. Baxter. 2010. Measuring adult insect emergence from streams: the influence of trap placement and a comparison with benthic sampling. *Journal of North American Benthological Society* 29(2):647–656.
- *Malison, R.L. and C.V. Baxter. 2010. The “fire pulse:” wildfire stimulates flux of aquatic prey to terrestrial habitats driving increases in riparian consumers. *Canadian Journal of Fisheries and Aquatic Sciences* 67(3):570-579.
- Rosi-Marshall, E.J., Kennedy, T.A., Kincaid, D.W., Cross, W.F., Kelly, H.A.W., Behn, K.A., White, T., Hall, R.O., Jr., and Baxter, C.V. 2010. Short-term effects of the 2008 high-flow experiment on macroinvertebrates in the Colorado River below Glen Canyon Dam, Arizona: U.S. Geological Survey Open-File Report 2010-1031, 28 p.[<http://pubs.usgs.gov/of/2010/1031/>].
- Cross, W.F., E.J. Rosi-Marshall, K. Behn, T.A. Kennedy, R.O. Hall, A.E. Fuller, and C.V. Baxter. 2010. Invasion and production of New Zealand mud snails in the Colorado River, Glen Canyon. *Biological Invasions* 12:3033–3043.
- Hall, R.O., T.A. Kennedy, E.J. Rosi-Marshall, W.F. Cross, H.A. Wellard, and C.V. Baxter. Aquatic production and carbon flow in the Colorado River. 2009. Aquatic production and carbon flow in the Colorado River. *Proceedings of the Colorado River Basin Science and Resource Management Symposium*.
- Monroe, J.B., C. V. Baxter, J.D. Olden, and P. L. Angermeier. 2009. Freshwaters in the public eye: understanding the role of images and media in aquatic conservation. *Fisheries* 34:581-585.
- Dunham, J.B., C.V. Baxter, and 10 coauthors. 2008. Evolution, ecology and conservation of Dolly Varden, White-spotted char, and bull trout. *Fisheries* 33: 537-550.
- Baxter, C.V., K.D. Fausch, M. Murakami and P.L. Chapman. 2007. Invading rainbow trout usurp a terrestrial prey subsidy from native charr and reduce their growth and abundance. *Oecologia* 153:461-470.
- Dahm, C. N., H. M. Valett, C.V. Baxter, and W.W. Woessner. 2006. Hyporheic zones. pp. 119-142 *In* F. R. Hauer and G. A. Lamberti, editors. *Methods in stream ecology*. Academic Press, San Diego. 2nd Edition.
- Grimm, N.B., C.V. Baxter, C. L. Crenshaw. 2006. Surface-subsurface interactions in streams. pp. 1761-782 *In* F. R. Hauer and G. A. Lamberti, editors. *Methods in stream ecology*. Academic Press, San Diego. 2nd Edition.
- Torgersen, C.E., C.V. Baxter, H.W. Li, and B.A. McIntosh. 2006. Landscape influences on longitudinal patterns of stream fishes: spatially continuous analysis of fish-habitat relationships. *In* R. Hughes, L. Wang, and P. Seelbach, editors. *Influences of landscapes on stream habitats and biological communities*. American Fisheries Society, Bethesda, Maryland, USA.
- Baxter, C. V., K. D. Fausch, and W. C. Saunders. 2005. Tangled webs: reciprocal flows of invertebrate prey link streams and riparian zones. *Freshwater Biology* 50(2):201-220.
- *Laeser, S.R., C.V. Baxter and K.D. Fausch. 2005. Effects of stream channelization and riparian vegetation loss on web-weaving spiders in northern Japan. *Ecological Research*. 20:646-651.
- Wright, K.K., C.V. Baxter, J. Li. 2005. Restricted hyporheic exchange in an alluvial river system: implications for stream ecology theory and watershed management. *Journal of the North American Benthological Society* 24:447-460.
- Baxter, C.V., K.D. Fausch, M. Murakami and P.L. Chapman. 2004. Non-native stream fish invasion restructures stream and riparian forest food webs by interrupting reciprocal prey subsidies. *Ecology* 85: 2656-2663.

- Baxter, C.V., F.R. Hauer and W.W. Woessner 2003. Measuring groundwater-stream water exchange: new techniques for installing mini-piezometers and estimating hydraulic conductivity. *Transactions of the American Fisheries Society* 132: 493-502.
- Fausch, K.D., C.E. Torgersen, C.V. Baxter, H.W. Li. 2002. Landscapes to riverscapes: bridging the gap between research and conservation of stream fishes. *BioScience* 52: 483-498.
- Staley, K., S. Gregory, J.B. Kauffman, J. Hall, K.A. Dwire, C.V. Baxter, and J. Brookshire. 2000. Scientists as citizens: integrating ecological considerations with riverfront development. *Proceedings of the American Water Resources Research Association Riparian Ecosystems Conference*, Portland, OR.
- Baxter, C.V. and F.R. Hauer. 2000. Geomorphology, hyporheic exchange and selection of spawning habitat by bull trout (*Salvelinus confluentus*). *Canadian Journal of Fisheries and Aquatic Sciences* 57: 1470-1481.
- Hauer, F.R., G. Poole, J. T. Gangemi, and C. V. Baxter. 1999. The role of coarse woody debris in bull trout (*Salvelinus confluentus*) spawning streams of logged and wilderness watersheds in northwest Montana. *Canadian Journal of Fisheries and Aquatic Sciences* 56: 915-924.
- Baxter, C.V., C.A. Frissell, and F.R. Hauer. 1999. Geomorphology, logging roads, and the distribution of bull trout spawning in a forested river basin: implications for management and conservation. *Transactions of the American Fisheries Society* 128: 854-867.

Selected manuscripts in preparation (* denotes student or postdoc advisee):

- *Collins, S. F., C.V. Baxter, *A.M. Marcarelli, M.S. Wipfli, S. Florin, L. Felicetti, and G. Servheen. In Review. Resource subsidy form mediates direct and indirect responses in stream-riparian food webs.
- *Larson, D.M., D.L. Lybecker, C.V. Baxter, M. McBeth, and K. Lohse. In preparation. Hierarchy & Heterarchy? Defining and applying system organizations to social-ecological research.
- *Heinrich, K.K, C.V. Baxter, A.T.C. Bell and J.M. Hood. In preparation. Of olives and carp: Interactive effects of aquatic and terrestrial invaders on a stream-riparian ecosystem.
- *Blackadar, R.J., C.V. Baxter and *J.M. Davis. In preparation. River ice disturbance: effects on organic matter and feeding ecology of aquatic insects.
- *Cornell, J.P. and C.V. Baxter. In preparation. An investigation of the effects of recreational land use on the stream ecosystem of an urban-fringe watershed.

Dissertations and Theses (* denotes student advisee):

- *Heinrich, K.K. 2015. Multiple stressors and multiple invaders in linked stream-riparian ecosystems: Combined contributions in research and pedagogy. Doctorate of Arts Dissertation, Department of Biological Sciences, Idaho State University, Pocatello, ID.
- *Collins, S.F. 2014. The ecological importance of subsidies from salmon to stream-riparian ecosystems: An experimental test and implications for approaches to nutrient mitigation. Ph.D. Dissertation, Department of Biological Sciences, Idaho State University, Pocatello, ID.
- *Cornell, J.J. 2013. An investigation of the effects of recreational land use on the stream ecosystem of an urban fringe watershed. M.S. Thesis, Department of Biological Sciences, Idaho State University, Pocatello, ID.
- *Blackadar, R.J. 2013. Winter ecology of a wilderness river: effects of ice disturbance and subsidies of ungulate carcasses on aquatic food webs. M.S. Thesis, Department of Biological Sciences, Idaho State University, Pocatello, ID.

- *Harris, H.E. 2013. Disturbance Cascade: How fire and debris flows affect headwater linkages to downstream and riparian ecosystems. M.S. Thesis, Department of Biological Sciences, Idaho State University, Pocatello, ID.
- *Bellmore, J.R. 2011. The ecological importance of floodplains in montane river networks: Implications for habitat restoration and salmon recovery. Ph.D. Dissertation, Department of Biological Sciences, Idaho State University, Pocatello, ID.
- *Donner, K.C. 2011. Trophic basis of production of fishes in the Colorado River, Grand Canyon: An assessment of potential competition for food. M.S. Thesis, Department of Biological Sciences, Idaho State University, Pocatello, ID.
- *Mineau, M.M. 2011. The effects of Russian olive (*Elaeagnus angustifolia*) invasion on stream nitrogen cycling, organic matter dynamics, and food webs. Ph.D. Dissertation, Department of Biological Sciences, Idaho State University, Pocatello, ID.
- *Bechtold, H.A. 2010. Investigation of the response of carbon and nutrient dynamics to human land-use in the Portneuf River watershed. Ph.D. Dissertation, Department of Biological Sciences, Idaho State University, Pocatello, ID.
- *Benjamin, J.R. 2010. Replacement of a native by a nonnative salmonid: changes in trout production & consequences for stream-riparian food webs. Ph.D. Dissertation, Department of Biological Sciences, Idaho State University, Pocatello, ID.
- *Malison, R.L. 2008. Effects of wildfire on aquatic insect assemblages, emerging adult insects, and riparian consumers in a wilderness watershed. M.S. Thesis, Department of Biological Sciences, Idaho State University, Pocatello, ID.
- *Jones, J.L. 2008. Rocks to riverscapes: Factors influencing *Ascaphus montanus* tadpole abundance at multiple spatial scales. M.S. Thesis, Department of Biological Sciences, Idaho State University, Pocatello, ID.
- Baxter, C.V. 2002. Fish movement and assemblage dynamics in a Pacific Northwest riverscape. Ph.D., Oregon State University, Corvallis, OR.
- Baxter, C.V. 1997. Geomorphology, land-use, and groundwater-surface water interaction: a multi-scale, hierarchical analysis of the distribution and abundance of bull trout (*Salvelinus confluentus*) spawning. M.S., University of Montana, Missoula, MT.

PAPERS PRESENTED

Primary presenter (102 total):

- Baxter, C.V. 2016. How do we evaluate ecological theories? Epistemological foundations, issues, and commentary. Invited presentation in symposium entitled, "The Status and Evaluation of Ecological Theory," Annual Meeting of the Ecological Society of America, August 7-12, 2016, Fort Lauderdale, FL, USA.
- Baxter, C.V. 2016. Climate change, wildfire, and a message of resilience from the "River of No Return." Invited presentation in session entitled, "Considering spatial and temporal scale in biotic responses to food web alterations," Annual Meeting of the Society for Freshwater Science, May 19-23rd, Sacramento, CA, USA.
- Baxter, C.V. 2015. Dialetheia: connectivity, complexity and change in river-riparian ecosystems. Invited Seminar, University of California-Berkeley, Department of Integrative Biology. September 10, 2015, Berkeley, CA, USA.
- Baxter, C.V., J.R. Bellmore, J. Benjamin. 2015. Food webs in riverscapes: Toward a spatial ecology of food webs that sustain riverine fishes. Invited presentation in special session entitled, "Moving Beyond Water Quality Indices: How Can Macroinvertebrate Data from Fish Habitat Monitoring Programs Inform Food Web Analyses?" Annual Meeting of the American Fisheries Society, August 16-20, 2015, Portland, OR, USA.

- Baxter, C.V., D. Larson, D. Lybecker, M. McBeth, B. Blair, K. Lohse, J. Stoutenborough, M. Fragkias, and J. Boll. 2015. Exploring applications of hierarchy theory to sustainability science. Annual Meeting of the Ecological Society of America, August 9-14, 2015, Baltimore, MD, USA.
- Baxter, C.V., S.F. Collins, A.M. Marcarelli, J.R. Bellmore. 2015. More than bags of nutrients: weighing ecological and social costs of losing migratory fishes versus the management paradigm of compensatory mitigation. Invited presentation in special session (co-organizer) entitled, "Danse macabre: the role of migrations and mortality in shaping our planet," Annual Meeting of the Ecological Society of America, August 9-14, 2015, Baltimore, MD, USA.
- Baxter, C.V. 2015. Messiness matters: the importance of spatial connectivity and complexity to stream-riparian organisms and some consequences for restoration. Invited presentation, 3rd Annual Workshop on Science-Based Trout Stream Restoration, June 9-10, 2015, Steven's Point, WI, USA.
- Baxter, C.V. 2015. Methods to incorporate connectivity and complexity into planning and evaluating restoration. Invited presentation, Third Annual Workshop on Science-Based Trout Stream Restoration, June 9-10, 2015, Steven's Point, WI, USA.
- Baxter, C.V. 2015. Wildfire & the stream-riparian web of life: Observations & management implications. Invited presentation, Fire Science Workshop - Understanding the Effects of Wildfire on Aquatic Ecosystems, Columbia Basin Federal Caucus, May 13, 2015, Portland, OR, USA.
- Baxter, C.V. 2015. Messiness Matters: Evidence from Food Web Studies of the Importance of Spatial Complexity to River Fishes. Annual Meeting of the Idaho Chapter, American Society, March 3-6, Boise, ID, USA.
- Baxter, C.V. 2015. Complexity and connectivity in nature: Toward a spatial ecology of river-riparian ecosystems. Invited Seminar, University of Washington, March 2, 2015, Seattle, WA, USA.
- Baxter, C.V. 2015. Connectivity and complexity in nature: Toward a spatial ecology of river-riparian ecosystems. Invited Seminar, University of Alabama, January 29, 2015, Tuscaloosa, AL, USA.
- Baxter, C.V. 2014. Fire and ice: Responses by stream-riparian ecosystems to changing climate and shifting disturbance regimes. Invited Lecture, Idaho Water Resources Research Institute, September 9, 2014, Boise, ID, USA.
- Baxter, C.V. 2014. Messiness matters: Contributions to an emerging spatial ecology of river-riparian food webs. Invited Seminar, Simon Fraser University, September 4, 2014, Vancouver, British Columbia, Canada.
- Baxter, C. V.; Cross, W. F.; Bellmore, J. R.; Rosi-Marshall, E.J.; Hall, R. O.; Kennedy, T. E. 2014. Anticipating responses of food webs to dam removal: insights from theory and empirical studies of dammed and free-flowing rivers. Invited presentation in a special session entitled, "If You Remove It, Will They Come? Evaluating the Response of Biotic Communities to Dam Removal." Joint Aquatic Sciences Meeting, May 18-23rd, Portland, Oregon, USA.
- Baxter, C.V. 2014. Fire and ice: responses by stream-riparian ecosystems to shifting disturbance regimes and some consequences for forest management. Invited - Leslie L. Schaffer Lecture, University of British Columbia College of Forestry, February 18th, 2014, Vancouver, British Columbia, Canada.
- Baxter, C.V. 2013. Lotic-land linkages: lessons, leanings, and love. Invited presentation in special session entitled, "The future of freshwater science: an educational session for undergraduates," Annual Meeting of the Society for Freshwater Science, May 19-23rd, Jacksonville, Florida, USA.

- Baxter, C.V. 2013. Spatial complexity and connectivity in river-riparian food webs. Invited seminar, Michigan Technological University, February 22nd, Houghton, Michigan.
- Baxter, C.V. 2012. Progress in integrating hydroclimatology and ecological research to address water resources in Idaho's changing climate. Annual Meeting of the Idaho NSF-EPSCoR Program, October 2-3rd, Boise, ID.
- Baxter, C.V. 2012. Wildfire in Idaho: An Ecological Perspective. Invited public presentation, ISU Chapter of Sigma Xi "Science Café" lecture series. September 5, 2012, Pocatello, Idaho.
- Baxter, C.V., J.R. Benjamin, M.M. Mineau, K.D. Fausch, F. Lepori, A.M. Marcarelli, and G.W. Minshall. 2012. Emerging lessons: Invasive species effects that cross habitat boundaries. Invited presentation in special session entitled, "Impacts of Species Addition and Species Loss on Ecosystem Function in Freshwater Systems," Annual Meeting of the Ecological Society of America, August 5-10th, Portland, Oregon, USA.
- Baxter, C.V., J.R. Benjamin, M.M. Mineau, K.D. Fausch, F. Lepori, A.M. Marcarelli, and G.W. Minshall. 2012. Emerging lessons: Invasive species effects that cross habitat boundaries. Invited presentation in special session entitled, "Species addition and loss: effects on ecosystem processes," Annual Meeting of the Society for Freshwater Science, May 20-24th, Louisville, Kentucky, USA.
- Baxter, C.V. 2012. Food web approaches to learning from adaptive management experiments in large rivers. Invited Presentation, Annual Meeting of the International Kootenai Ecosystem Restoration Team, May 10-11th, Sandpoint, Idaho.
- Baxter, C.V., J.M. Davis, B.T. Crosby, J.L. Pierce, E.J. Rosi-Marshall. 2012. Indirect effects of climate change on stream-riparian ecosystems: a view on forest, fire, and flow dynamics from Idaho's Salmon River basin. Invited presentation in special session entitled "The interface of hydrology, biogeochemistry, and ecology in riverine systems," Annual Meeting of the Western Tri-State Consortium of the NSF-EPSCoR Program, April 3-5th, Sun Valley, Idaho.
- Baxter, C.V. 2012. Emerging lessons: Unforeseen consequences of invasive species for stream-riparian food webs and ecosystem processes. Invited Plenary Presentation, Annual Meeting of the American Fisheries Society, Idaho Chapter, March 3-9th, Coeur d'Alene, Idaho.
- Baxter, C.V. 2012. Spatial complexity and connectivity in river-riparian food webs. Invited seminar, Cary Institute of Ecosystem Studies, January 26th, Millbrook, New York.
- Baxter, C.V. 2011. Progress in ecological research addressing water resources in Idaho's changing climate. Annual Meeting of the Idaho NSF-EPSCoR Program, December 19, Boise, ID.
- Baxter, C.V. 2011. Spatial complexity and connectivity in river-riparian food webs. Invited seminar, College of Natural Resources, Utah State University, November 9th, Logan, Utah.
- Baxter, C.V. 2011. Spatial complexity and connectivity in river-riparian food webs. Invited lecture, Swiss Federal Institute of Aquatic Science and Technology, October 21st, Zurich, Switzerland.
- Baxter, C.V. 2011. Spatial complexity and connectivity in river-riparian food webs. Invited lecture, Universitat de Barcelona, Centre d'Estudis Avançats de Blanes, September 26th, Blanes, Spain.
- Baxter, C.V. 2011. Spatial complexity and connectivity in river-riparian food webs. Invited lecture, Université de Lyon, Limnological Institute, September 16th, Lyon, France.
- Baxter, C.V., J.M. Davis, B.T. Crosby, J.L. Pierce, E.J. Rosi-Marshall. 2011. Indirect effects of climate change on stream-riparian ecosystems: a view on forest, fire, and flow dynamics from Idaho's Salmon River Basin. Invited presentation in special symposium, "Can

- Aquatic Resources Survive Global Climate Change and Humanity's Best Intentions?" Annual Meeting of the American Fisheries Society, September 4-8th, Seattle, WA.
- Baxter, C.V., K.C. Donner, W.F. Cross, E.J. Rosi-Marshall, T.A. Kennedy, and R.O. Hall Jr. 2011. Trophic dynamics in the riverscape: Unifying food web and ecosystem approaches to measure the strength of species interactions in habitats linked by fish movement. Invited presentation in special symposium, "Riverscape Ecology: Theory and Application for Understanding and Conserving Lotic Fishes," Annual Meeting of the American Fisheries Society, September 4-8th, Seattle, WA.
- Baxter, C.V., W.F. Cross, K.C. Donner, E.J. Rosi-Marshall, T.A. Kennedy, R.O. Hall, Jr., H.W. Kelly, and R.S. Rogers. 2011. Ecosystem ecology meets adaptive management: food web response to a controlled flood on the Colorado River, Glen Canyon. Invited plenary presentation on "Water, Climate, and Sustainability of Our Changing World" - Utah State University Spring Runoff Conference, March 29, 2011, Logan, Utah.
- Baxter, C.V., A.M. Marcarelli, Wipfli, M.S., Kavanagh, K., G. Servheen, S.F. Collins, L. Felicetti, S. Florin, T. Wheeler, and A. Noble Stuen. 2011. Mitigating for the loss of marine nutrients from salmon: Ecological effects of salmon carcass and analog additions to headwater aquatic and terrestrial systems in Idaho. Annual Meeting of the Idaho Chapter of the American Fisheries Society, March 2-4, 2011, Boise, ID.
- Baxter, C.V. 2011. Water quality and quantity in the Portneuf Valley. Invited public presentation, ISU Chapter of Sigma Xi "Science Café" lecture series. February 3, 2011, Pocatello, Idaho.
- Baxter, C.V., W.F. Cross, K.C. Donner, E.J. Rosi-Marshall, T.A. Kennedy, R.O. Hall, Jr., H.W. Kelly, and R.S. Rogers. 2011. Ecosystem ecology meets adaptive management: food web response to a controlled flood on the Colorado River, Glen Canyon. 32nd annual Researchers' Meeting of the Upper Colorado River Fish Recovery Program and San Juan River Basin Recovery Implementation Program. January 12-13, 2011, Moab, Utah.
- Baxter, C.V. 2010. Progress in ecological research addressing water resources in Idaho's changing climate. Invited presentation to Annual Idaho Climate and Water Resource Forecast Meeting, November 2nd, Boise, ID.
- Baxter, C.V. E.J. Rosi-Marshall, W.F. Cross, T.A. Kennedy, K.C. Donner, H.A. Wellard, S.Z. Seegert, R.O. Hall. 2010. Production and trophic ecology of invertebrates and fishes inhabiting downstream reaches of the Colorado River, Grand Canyon. Invited presentation at the Annual Aquatic Ecosystem Data Synthesis and Modeling Workshop, October 12-15th, Saguaro Ranch, Mesa, AZ.
- Baxter, C.V. 2010. Progress in ecological research addressing water resources in Idaho's changing climate. Annual Meeting of the Idaho NSF-EPSCoR Program, August 31st, Boise, ID.
- Baxter, C.V. 2010. Doctoring without borders: diagnosing stressors in watershed ecosystems. Invited presentation to Eastern Washington University, Seminar Series in Biological Sciences, February 26th, Cheney, Washington, USA.
- Baxter, C.V. 2009. Water under the bridge: lessons in the obvious from a decade of stream ecology. Invited presentation to Cornell University, Seminar Series in Biogeochemistry and Environmental Biocomplexity, December 4th, Ithaca, New York, USA.
- Baxter, C.V. 2009. Progress in ecological research addressing water resources in Idaho's changing climate. Invited presentation to Annual Idaho Climate and Water Resource Forecast Meeting, October 22nd, Boise, ID.
- Baxter, C.V. 2009. Water resources in a changing climate: Coordinating research and monitoring in the Snake River basin. Invited presentation to Pacific Northwest Climate Change Collaboration Workshop, September 22, videoconference between Seattle, Portland, Missoula, Pocatello.

- Baxter, C.V. 2009. Aquatic consequences of land management – and *vice versa*. Invited presentation to the Natural Resources Conservation Service of Idaho, Annual All-Employees Meeting, February 25th, Pocatello, Idaho.
- Baxter, C.V. 2008. The fire pulse: effects of wildfire on linked stream-riparian food webs. Invited presentation to the Department of Zoology, University of Oklahoma, Norman, OK, November 12, 2008.
- Baxter, C.V., E.J. Rosi-Marshall, W.F. Cross, T.A. Kennedy, K.C. Donner, H.A. Wellard, R.O. Hall, M.D. Yard, and S. Rogers. 2008. A quantitative food web and ecosystem production budget for Glen Canyon, Colorado River. Invited oral presentation, 2008 Colorado River Basin Science and Resource Management Symposium, November 18-20th, Scottsdale, Arizona.
- Baxter, C.V., R. L. Malison, B. Jackson, P. Della Croce, M. Sullivan, K. Vierling, J. Braatne, and G. W. Minshall. 2008. The fire pulse: mid-term effects of wildfire on stream-riparian linkages in wilderness watersheds of central Idaho. Invited presentation to special session entitled, "Fire and aquatic ecosystems," International Association of Wildland Fire 9th Biennial Conference, "The '88 Fires: Yellowstone and Beyond," Sept. 22-27th, 2008, Jackson, WY.
- Baxter, C.V. 2008. Stream fish in communities revisited: consequences of reciprocal land-water linkages and organism movement for community theory. Invited presentation to special session entitled, "Community Ecology of Stream Fishes: Concepts, Approaches, and Techniques." 138th annual meeting of the American Fisheries Society, August 18-22nd, 2008, Ottawa, Canada.
- Baxter, C.V. 2008. What is a community? Consequences of reciprocal land-water linkages and organism movement for community theory. Invited presentation to special session entitled, "Freshwater Benthic Science: What Has it Contributed to General Ecological Theory," 56th annual meeting of the North American Benthological Society, May 25-30, 2008, Salt Lake City, Utah, USA.
- Baxter, C.V. 2007. Stressed out: Are multiple stressors driving meltdown in watersheds of western watersheds? Invited presentation to the Department of Biology, Loyola University, Chicago, Illinois. December 5, 2007.
- Baxter, C.V. 2007. Stressed out: Are multiple stressors driving meltdown in watersheds of western watersheds? Invited presentation to the Department of Biology, Southern Illinois University, Carbondale, Illinois. November 29, 2007.
- Baxter, C.V., E.J. Rosi-Marshall, R.O. Hall, T.A. Kennedy, W.F. Cross and M.D. Yard. 2007. Research to develop a "food base" monitoring program: Linking whole-river carbon cycling to quantitative food webs in the Colorado River. Presentation to the Grand Canyon Fish Science Cooperators Meeting. November 6th, Flagstaff, Arizona.
- Baxter, C.V. 2007. Stressed out: Managing meltdown in watersheds of the Intermountain west. Invited Plenary Lecture to the Intermountain Conference on the Environment, Idaho State University, Pocatello, Idaho. September 17, 2007.
- Baxter, C.V., A.M. Marcarelli, M. Mineau, J. Hopkins, J. Benjamin, R. Inouye, and R. Van Kirk. 2007. Synergistic effects of hydrologic change and invasive species on carbon & nutrient dynamics in western watersheds. Annual Program Review of NSF-EPSCoR Research Infrastructure Improvement (RII) Grant, May 21, Moscow, Idaho.
- Baxter, C.V., R.L. Wilkinson, P. Della Croce, J.H. Braatne, G.W. Minshall, and C.E. Torgersen. 2007. Pattern and process in a Central Idaho wilderness riverscape: land-water linkages and the fire pulse. Invited presentation at Symposium "Landscapes to Riverscapes: Bridging the Gaps Between Research and Management of Stream Taxa and Their Ecosystems," University of Idaho, Moscow, Idaho. May 15-16, 2007.

- Baxter, C.V. 2007. Integrating earth and life sciences to address watershed ecosystem problems. Invited presentation to Department of Geosciences, Boise State University, Boise, Idaho. February 5, 2007.
- Baxter, C.V. 2006. Tangled webs: crossing boundaries to understand ecological connectivity in watersheds. Invited presentation to Annual Research Advances in Fisheries, Wildlife, and Ecology Symposium. Corvallis, OR. November 8, 2006.
- Baxter, C.V. 2006. Feedback loops in linked stream-riparian ecosystems: Contrasting responses to anthropogenic vs. natural disturbances. Invited presentation to Arizona State University, School of Life Sciences. Tempe, Arizona. September 29, 2006.
- Baxter, C.V. 2006. Effects of disturbance on ecological connections between streams and riparian zones. Invited presentation to NOAA Fisheries Science Center Seminar Series, Seattle, Washington. May 11, 2006.
- Baxter, C.V., C.E. Torgersen, and H.W. Li. 2006. Fish movement and assemblage dynamics in a Pacific Northwest riverscape. Invited presentation at "Home Range and Animal Movements: A Workshop," Idaho State University, Pocatello, Idaho. May 15, 2006.
- Baxter, C.V., and 11 co-authors. 2006. International perspectives on the ecology and conservation of bull trout, white-spotted charr, and Dolly Varden charr. Invited presentation in special session on bull trout at the Western Division of the American Fisheries Society Annual Meeting, Bozeman, Montana. May 17, 2006.
- Baxter, C.V., R. Inouye, D. Ames, A.M. Marcarelli, H.A. Bechtold, and A.T. Rugenski. 2006. Understanding human effects on watershed nutrient processing and export: a collaborative approach to a complex problem. Annual Program Review of NSF-EPSCoR Research Infrastructure Improvement (RII) Grant, March 20, Moscow, Idaho. Poster presentation.
- Baxter, C.V. 2006. Effects of disturbance on ecological connections between streams and riparian zones. Invited presentation to Utah State University, Department of Aquatic, Watershed, and Earth Resources. Logan, Utah. March 8, 2006.
- Baxter, C.V. 2006. Effects of disturbance on ecological connections between streams and riparian zones. Invited presentation to the University of Idaho, Department of Fish and Wildlife Resources, Moscow, Idaho. February 6, 2006.
- Baxter, C.V. 2006. Reciprocal linkages between streams and riparian zones. Invited presentation to public symposium on "Riparian Ecosystems: Ecology, Management and Restoration," February 8-9, Pocatello, Idaho.
- Baxter, C.V. 2006. Ecological consequences of geomorphic heterogeneity at the valley segment scale. Invited presentation to Idaho State University, Department of Geosciences, Pocatello, Idaho. February 8, 2006.
- Baxter, C.V., K.D. Fausch, M. Murakami, S. R. Laeser, and P. Chapman. 2005. Habitat degradation and introduced species as leading causes of global biodiversity loss: both alter stream-forest linkages that sustain native charr and riparian spiders in Hokkaido, Japan. Invited presentation at the Joint Workshop of the National Science Foundation and the Japan Society for the Promotion of Science, November 1-7, Yokohama, Japan.
- Baxter, C.V., M. Murakami, K.D. Fausch, and S. Nakano. 2005. Tangled webs: consequences of disrupting reciprocal subsidies that link streams and riparian forests. 90th Annual Meeting of the Ecological Society of America, August 7-12, Montreal, Quebec, Canada. Invited presentation in special session on "Complex Consequences of Spatial Subsidies to Food Webs."
- Baxter, C.V. and C.E. Torgersen. 2005. Geomorphic heterogeneity at the valley segment scale: effects on habitat structure, aquatic organisms, and stream-riparian food web linkages. Joint Annual Meeting of the North American Benthological Society and the American Geophysical Union, May 23-27, New Orleans, Louisiana.

- Baxter, C.V., K. D. Fausch, M. Murakami, and P. Chapman. 2005. Invading rainbow trout disrupt cross-habitat prey subsidies to native Dolly Varden and riparian spiders in streams of northern Japan. Annual Meeting of the Colorado-Wyoming Chapter of the American Fisheries Society, March 7-10, Fort Collins, Colorado.
- Baxter, C.V. 2005. Nonnative fish invasion restructures stream and forest food webs by interrupting reciprocal prey subsidies. Invited presentation to Montana State University, Department of Ecology, Bozeman, Montana.
- Baxter, C.V., K. D. Fausch and M. Murakami. 2004. Nonnative fish invasion interrupts reciprocal prey subsidies that drive stream and forest food webs. Annual Meeting of the Japan Ecological Society, August 25-29, Kushiro, Hokkaido, Japan.
- Baxter, C.V., K. D. Fausch and M. Murakami. 2004. Indirect effects of rainbow trout invasion on stream and riparian food webs: scaling-up from experimental results. 52nd Annual Meeting of the North American Benthological Society, June 6-10, Vancouver, BC, Canada.
- Baxter, C.V., K. D. Fausch and M. Murakami. 2004. Nonnative fish invasion interrupts reciprocal prey subsidies that drive stream and forest food webs. Annual Meeting of the Western Division of the American Fisheries Society, Salt Lake City, UT, USA. Invited presentation in special session on "Food Webs and Fish Carrying Capacity."
- Baxter, C.V., K. D. Fausch and M. Murakami. 2003. Nonnative fish invasion interrupts reciprocal prey subsidies that drive stream and forest food webs. Invited presentation at Dept. of Fishery and Wildlife Biology, Colorado State University, Fort Collins, CO, USA.
- Baxter, C.V., K. D. Fausch and M. Murakami. 2003. Nonnative fish invasion interrupts reciprocal prey subsidies that drive stream and forest food webs. 88th Annual Meeting of the Ecological Society of America, August 3-8, Savannah, GA, USA.
- Baxter, C.V., K. D. Fausch and M. Murakami. 2003. Nonnative stream fish invasion interrupts reciprocal prey subsidies that drive stream and forest food webs. 51st Annual Meeting of the North American Benthological Society, May 27-31, Athens, GA, USA. Invited presentation in special session on "Extending the food web: consumer-resource dynamics at the aquatic-terrestrial interface."
- Baxter, C.V., K. D. Fausch and M. Murakami. 2003. Nonnative stream fish invasion interrupts reciprocal prey subsidies that drive stream and forest food webs. Invited presentation at Tomakomai Experimental Forest, Hokkaido University, Tomakomai, Japan.
- Baxter, C.V. 2003. Two-part seminar: 1) Multiscale analysis of spawning habitat for bull charr (*Salvelinus confluentus*), and 2) Influence of exotic fish introduction on reciprocal energy flow between forest and stream ecosystems. Invited presentation to scientists from Hokkaido Fish Hatcheries, Department of Fisheries and Forestry of the Hokkaido Government. June 23, Eniwa, Hokkaido, Japan.
- Baxter, C.V. 2003. Fish movement and assemblage dynamics in a Pacific Northwest Riverscape. Invited presentation at Tomakomai Experimental Forest, Hokkaido University, Tomakomai, Japan.
- Baxter, C.V. 2003. Fish movement and assemblage dynamics in a Pacific Northwest Riverscape. Invited presentation to Colorado State University, Student Chapter of the American Fisheries Society, Fort Collins, CO.
- Baxter, C.V. 2002. Fish movement and assemblage dynamics in a Pacific Northwest Riverscape. Invited presentation to University of Wyoming, Student Chapter of the American Fisheries Society, Laramie, WY.
- Baxter, C.V. 2002. Fish movement and assemblage dynamics in a Pacific Northwest Riverscape. Invited presentation to Oregon State University Stream Team, Corvallis, OR.
- Baxter, C.V., C.E. Torgersen, H.W. Li and B. McIntosh. 2001. Large-scale habitat complementation and the ecological importance of migration to stream fishes in a Pacific

- Northwest river system. 49th Annual Meeting of the North American Benthological Society, June 3-8, La Crosse, WI, USA. Invited presentation in special session on "Landscape perspectives in stream fish ecology."
- Baxter, C.V., C.E. Torgersen, H. Li, and B. McIntosh. 2001. Life in motion: the importance of migration to stream fishes in northeastern Oregon. Graduate Student Association Annual Meeting, April 9, Oregon State University, Corvallis, OR, USA. *Awarded Best Student Paper.*
- Baxter, C.V., C.E. Torgersen, H.W. Li and B. McIntosh. 2001. Large-scale habitat complementation and the ecological importance of migration to stream fishes in a Pacific Northwest river system. Northwest Scientific Association Annual Meeting, March 21-24, Humboldt State University, Arcata, CA, USA.
- Baxter, C.V., C.E. Torgersen, H. Li, and B. McIntosh. 2001. Life in motion: the importance of migration to stream fishes in northeastern Oregon. Annual Meeting of the Oregon Chapter of the American Fisheries Society, February 14-16, Portland, OR, USA.
- Baxter, C.V. 2001. Life in motion: the importance of migration to stream fishes in northeastern Oregon. Invited presentation at Rainland Flycasters Chapter Meeting, Oregon Council of the Federation of Flyfishers, January 18, Astoria, OR, USA.
- Baxter, C.V., C.E. Torgersen, J. Shappart, H. Li, and B. McIntosh. 2000. Assessing patterns in bull trout distribution and stream habitat relationships in the Wenaha-Grande Ronde-Snake river network. Invited presentation at the Annual Meeting of the *Salvelinus confluentus* Curiosity Society, August 15-17, Sol Duc River, Olympic Peninsula, WA.
- Baxter, C.V., C.E. Torgersen, H. Li, and B. McIntosh. 2000. Longitudinal patterns in fish assemblage and stream habitat relationships: Part II. Temporal dynamics and the role of migration. 48th Annual Meeting of the North American Benthological Society, May 28-June 1, Keystone, CO, USA.
- Baxter, C.V., C.E. Torgersen, J. Ebersole, H. Li, W. Liss, and B. McIntosh. 1999. Effects of habitat degradation and dams on chinook salmon in northeast Oregon: observations from the headwaters. Annual Meeting of the Western Division of the American Fisheries Society, Moscow, ID. Invited presentation in special session on salmon in the Columbia Basin.
- Baxter, C.V. 1999. System stress and the ecology of chinook salmon in headwater streams of the Columbia basin. Oregon State University Graduate Student Association Conference: Special Session on "Multidisciplinary perspectives of natural resources," Corvallis, OR.
- Baxter, C.V., C.E. Torgersen, J. Ebersole, H. Li, W. Liss, and B. McIntosh. 1999. System stress in headwater streams: where have all the juvenile chinook gone? Annual Meeting of the Oregon Chapter of the American Fisheries Society, Sun River, OR. Invited presentation in special session on salmon in the Columbia Basin.
- Baxter, C.V., R.L. Beschta, R. Hopson, and 10 co-authors. 1998. Geomorphic, hydrologic, and riparian influences on temperature structure of high desert streams of the Blue Mountains. Annual Meeting of the Oregon Chapter of the American Fisheries Society, Sun River, OR.
- Baxter, C.V. and F.R. Hauer. 1998. Geomorphology, land-use, and groundwater-surface water interaction: a multi-scale, hierarchical analysis of the distribution and abundance of bull trout spawning. Invited presentation to Oregon State University Stream Team, Corvallis, OR.
- Baxter, C.V. and F.R. Hauer. 1997. Geomorphology, land-use, and groundwater-surface water interaction: a multi-scale, hierarchical analysis of the distribution and abundance of bull trout spawning. Annual Meeting of the *Salvelinus confluentus* Curiosity Society, Rock Creek, MT.

- Baxter, C.V. and F. R. Hauer. 1997. Vertical hydraulic exchange and spawning-site selection by bull trout. The Consortium for Study of North Temperate Montane Ecosystems Biodiversity Workshop (CSTNME). Missoula, MT, USA.
- Baxter, C.V. and F.R. Hauer. 1996. Geomorphology, land-use, and groundwater-surface water interaction: a multi-scale, hierarchical analysis of the distribution and abundance of bull trout spawning. University of Montana Dept. Biological Sciences Seminar, Missoula, MT.
- Baxter, C.V. and F. R. Hauer. 1996. Vertical hydraulic exchange and spawning-site selection by bull trout. 45th Annual Meeting of the North American Benthological Society, Kalispell, MT, USA.
- Baxter, C.V. and F.R. Hauer. 1996. Vertical hydraulic exchange and spawning-site selection by bull trout. Annual Meeting of the Montana Chapter of the American Fisheries Society, Kalispell, MT.
- Baxter, C.V., F.R. Hauer, and C.A. Frissell. 1996. Geomorphology, land-use, and groundwater-surface water interaction: a multi-scale, hierarchical analysis of the distribution and abundance of bull trout spawning. Invited presentation to the Governor's Committee on Bull Trout Restoration, Missoula, MT.
- Baxter, C.V. 1995. Methods for measuring groundwater-surface water interactions in streams. Ground and Surface Water Interaction Zones: A Watershed Field Workshop, E.P.A./National Park Service, Polson, MT.

Co-authored presentations (227 total):

- Marcarelli, A.M., E.K. Eberhard, C.V. Baxter, J.R. Welter, J.T. Scott and R.W. Fulweiler. 2016. Old paradigms and new frameworks for understanding nitrogen fixation in stream ecosystems. Annual Meeting of the Ecological Society of America, August 7-12, 2016, Fort Lauderdale, FL, USA.
- Schenk, M.V., C.V. Baxter, G.W. Minshall, M. Schaerer. 2016. Fire, food, and fish: food-web responses to wildfire at multiple scales in time and space. Annual Meeting of the Society for Freshwater Science, May 21-26, Sacramento, CA, USA.
- Scholl, E. W.F. Cross, Y. Tsutsui, H. Gelzer, A. Dutton, C. Guy, C. Baxter, J. Rotella. 2016. Food web perspectives for large, mobile fishes: the importance of matching food resource availability with consumer movement. Annual Meeting of the Society for Freshwater Science, May 21-26, Sacramento, CA, USA.
- Kennedy, T.A., J.D. Muehlbauer, C.B. Yackulic, D.A. Lytle, S.W. Miller, K. L. Dibble, E.W. Kortenhoeven, A.N. Metcalfe and C.V. Baxter. 2016. Flow management for hydropower extirpates aquatic insects, undermining river food webs. Annual Meeting of the Society for Freshwater Science, May 21-26, Sacramento, CA, USA.
- Heinrich, K.K., K. Robson, and C.V. Baxter. 2016. Water-land linkages: An inquiry based lesson on emergence of adult aquatic insects and their importance to terrestrial predators. Poster presentation, Annual Meeting of the Society for Freshwater Science, May 21-26, Sacramento, CA, USA.
- Brown, N., C.V. Baxter, J. Paris, C. Loether, D. Gould, D. Punkin, and H. Osborne. 2016. Combining indigenous culture and ecological science: A foodweb study on the Snake River floodplain in Shoshoni language. Poster presentation, Annual Meeting of the Society for Freshwater Science, May 21-26, Sacramento, CA, USA.
- Eckersell, A., C.V. Baxter, and M.V. Schenk. 2016. Diatom assemblage responses to wildfire in wilderness streams of central Idaho. Poster presentation, Annual Meeting of the Society for Freshwater Science, May 21-26, Sacramento, CA, USA.

- Paris, J.C., C.V. Baxter, H. Osborne, P. Bucksin, Z. Wadsworth. 2016. Impact of lost floods on fish and food webs in a regulated river floodplain. Poster presentation, Annual Meeting of the Society for Freshwater Science, May 21-26, Sacramento, CA, USA.
- Ortiz, J. and C.V. Baxter. 2016. A conceptual model of spatial complexity in river floodplains and its effects on insect emergence and terrestrial insectivores. Poster presentation, Annual Meeting of the Society for Freshwater Science, May 21-26, Sacramento, CA, USA.
- Paris, J.C., C.V. Baxter, H. Osborne, P. Bucksin, Z. Wadsworth. 2016. Investigation of factors limiting Yellowstone cutthroat trout in the Snake River floodplain. Annual Meeting of the Idaho Chapter, American Society, March 8-10, Coeur d'Alene, ID, USA.
- Schenk, M.V., C.V. Baxter, G.W. Minshall, M. Schaerer. 2016. Of fire, food, and fish: fish productivity responses to wildfire. Annual Meeting of the Idaho Chapter, American Society, March 8-10, Coeur d'Alene, ID, USA.
- Eckersell, A., C.V. Baxter, M.V. Schenk. 2016. Diatom assemblage responses to wildfire in wilderness streams of central Idaho. Poster presentation, Annual Meeting of the Idaho Chapter, American Society, March 8-10, Coeur d'Alene, ID, USA.
- Rosi-Marshall, E.J., C.V. Baxter, M. Baker and E. Bernhardt. 2015. Beyond the urban stream syndrome: Understanding the ecology IN, OF, and FOR sustainable urban stream ecosystems. Invited presentation in symposium entitled, "An Ecology IN, OF, and FOR the City," Annual Meeting of the Ecological Society of America, August 9-14, 2015, Baltimore, MD, USA.
- Robson, K.M., K. Heinrich and C.V. Baxter. 2015. Where water meets land: Empowering students and citizen scientists to investigate aquatic insect emergence. Poster presentation, Annual Meeting of the Ecological Society of America, August 9-14, 2015, Baltimore, MD, USA.
- Davis, E., D. Schindler, C.V. Baxter, C.E. Torgersen and K. Jankowski. 2015. Wildfire effects on stream metabolism across gradients of fire severity and watershed geomorphology at multiple spatial scales. Invited presentation in special session entitled, "Cross-Ecosystem Resource Subsidies: From Land to Water and Back Again," Annual Meeting of the American Fisheries Society, August 16-20, 2015, Portland, OR, USA.
- Mejia, F., A. Fremier, C.V. Baxter, E. Berntsen. 2015. Surface water-groundwater exchange increases post-emergent salmonid growth. Annual Meeting of the American Fisheries Society, August 16-20, 2015, Portland, OR, USA.
- Heinrich, K. and C.V. Baxter. 2015. Of Olives and Carp: Interactive effects of two invaders on linked stream-riparian food webs. Invited presentation, Annual Meeting of the Society for Freshwater Science, May 17-21, Milwaukee, WI, USA.
- Denny, L.P. and C.V. Baxter. 2015. A hierarchical investigation of factors influencing the spatial ecology of juvenile Chinook salmon in a Pacific Northwest riverscape. Annual Meeting of the Society for Freshwater Science, May 17-21, Milwaukee, WI, USA.
- Ventura, M.K., L.P. Denny, C.V. Baxter, D. Richardson, A.E. Kohler and S. Matsaw Jr. 2015. Are salmon just bags of allochthonous nutrients? Assessing fish growth across four nutrient-treated streams in central Idaho. Poster presentation, Annual Meeting of the Society for Freshwater Science, May 17-21, Milwaukee, WI, USA.
- Heinrich, K. and C.V. Baxter. 2015. Of Olives and Carp: Interactive effects of two invaders on linked stream-riparian food webs. Annual Meeting of the Idaho Chapter, American Society, March 3-6, Boise, ID, USA.
- Denny, L.P. and C.V. Baxter. 2015. Investigations of factors that influence the distribution and abundance of juvenile Chinook salmon in the Yankee Fork Salmon River, Idaho. Annual Meeting of the Idaho Chapter, American Society, March 3-6, Boise, ID, USA.
- Ventura, M.K., L.P. Denny, C.V. Baxter, A.E. Kohler, D. Richardson, and S. Matsaw Jr. 2015. Is a Fish Just a Bag of Nutrients?: Toward a Comparison of Nutrient Remediation

- Techniques in the Yankee Fork of the Salmon River. Poster presentation, Annual Meeting of the Idaho Chapter, American Society, March 3-6, Boise, ID, USA.
- Eckersell, A. M.V. Schenk, K. Crismon, and C.V. Baxter. 2015. Distribution and life cycle of the giant salmon fly (*Pteronarcys californica*) in the Portneuf Valley, Idaho. Poster presentation, Annual Meeting of the Idaho Chapter, American Society, March 3-6, Boise, ID, USA.
- Bellmore, J.R., C.V. Baxter and P.J. Connolly. 2015. Spatial Complexity and floodplain food webs: The importance of 'Nature's messiness.' Invited seminar, NOAA Northwest Fisheries Science Center, March 2, 2015, Seattle, WA, USA.
- Davis, E., D. Schindler, C.V. Baxter and K. Jankowski. 2014. Wildfire effects on stream metabolism across gradients of time and fire severity in an Idaho wilderness watershed. Annual Meeting of the American Fisheries Society, August 17 - 21, 2014, Québec City, Canada.
- Collins, S. F.; Baxter, C. V.; Marcarelli, A. M.; Wipfli, M.S.; Florin, S.; Felicetti, L.; Servheen, G. 2014. Direct and indirect responses of stream and riparian organisms to experimental subsidies of salmon. Invited presentation in a special session entitled, "Emergent Insects as Focal Taxa for Bridging Ecological Understanding Across Ecosystems: A Synthesis of Current Knowledge and Novel Applications." Joint Aquatic Sciences Meeting, May 18-23rd, Portland, Oregon, USA.
- Schenk, M. V.; Baxter, C. V.; Minshall, G. W. 2014. Climate and trajectory of riparian regrowth mediate mid-term patterns of primary and secondary productivity after wildfire in wilderness streams of Idaho. Invited presentation in special session entitled, "The Effects Of Fire On Freshwater Ecosystems." Joint Aquatic Sciences Meeting, May 18-23rd, Portland, Oregon, USA.
- Davis, E. A.; Schindler, D. E.; Baxter, C. V.; Jankowski, K. 2014. Wildfire effects on stream metabolism across gradients of time and fire severity in an Idaho wilderness watershed. Invited presentation in a special session entitled, "The Effects Of Fire On Freshwater Ecosystems." Joint Aquatic Sciences Meeting, May 18-23rd, Portland, Oregon, USA.
- Blackadar, R. J.; Baxter, C. V.; Davis, J. M. 2014. River ice disturbance: effects on organic-matter dynamics and feeding ecology of aquatic insects. Invited presentation in a special session entitled, "Ecological Processes of Aquatic Systems in Winter." Joint Aquatic Sciences Meeting, May 18-23rd, Portland, Oregon, USA.
- Mejia, F. H.; Baxter, C. V.; Fremier, A. K.; Bellmore, J. R.; Berntsen, E. K. 2014. Effects of hyporheic exchange on the growth of post-emergent chinook salmon in winter and early spring. Joint Aquatic Sciences Meeting, May 18-23rd, Portland, Oregon, USA.
- Richins, E. H.; Heinrich, K. K.; Baxter, C. V.; Eby, L.; Marczak, L. 2014. An investigation of New Zealand mudsnail invasion and riparian habitat structure effects on web-building spiders. Joint Aquatic Sciences Meeting, May 18-23rd, Portland, Oregon, USA.
- Behn, K. E.; Baxter, C. V. 2014. A native fish capitalizes on allochthonous resources delivered by seasonal, scouring floods in a desert river. Poster presentation, Joint Aquatic Sciences Meeting, May 18-23rd, Portland, Oregon, USA.
- Goodman, K., R. Hall, C. Baxter, A. Marcarelli, B. Roberts, J. Tank, C. Lurch, S. Berukoff. 2013. Challenges and opportunities of long-term continuous metabolism measurements at the National Ecological Observatory Network. Poster presentation, Annual Meeting of the American Geophysical Union. December 11th, San Francisco, CA, USA.
- Lohse, K. A., M. Seyfried, S. Benner, N. Glenn, A. Flores, C. Baxter, B. Crosby, M. de Graaff, K. Feris, B. Finney, G. Flerchinger, S. Godsey, J. McNamara, D. Marks, J. Pierce, and K. Reinhardt. 2013. Reynolds Creek Carbon Critical Zone Observatory: Improving prediction of soil carbon storage and flux from the pedon to the landscape scale. American Geophysical Union, Chapman Conference on Soil Mediated Drivers of

- Coupled Biogeochemical and Hydrological Processes Across Scales. October 21-24, BioSphere II, Tuscon, AZ, USA.
- Tennant, C., B. Crosby, C. Baxter and S. Godsey. 2013. The elevation dependent response of streamflow, sediment transport and aquatic autotrophic food sources to climate warming. Annual Meeting of the Idaho NSF-EPSCoR Program, October 2-3rd, McCall, ID. Student presentation.
- Marcarelli, A.M., S.F. Collins, C.V. Baxter, and C.J. Huckins. 2013. How can ecosystem ecology learn from and inform fisheries restoration? Ignite presentation, Annual Meeting of the Ecological Society of America, August 4-9th, Minneapolis, MN, USA.
- Marcarelli, A.M., C.V. Baxter, J.R. Benjamin and M. Murakami. 2013. Does quality trump quantity? Ecosystem-level consequences of subsidies in a forested stream. Poster presentation, Annual Meeting of the Ecological Society of America, August 4-9th, Minneapolis, MN, USA.
- Goodman, K., R. Hall, C. Baxter, A. Marcarelli, B. Roberts, J. Tank, C. Lunch, S. Berukoff. 2013. Challenges and opportunities of long-term continuous metabolism measurements at the National Ecological Observatory Network. Poster presentation, Annual Meeting of the Ecological Society of America, August 4-9th, Minneapolis, MN, USA.
- Collins, S.F. and C.V. Baxter. 2013. Heterogeneity of riparian habitats mediates responses of terrestrial arthropods to a subsidy of Pacific salmon carcasses. Annual Meeting of the Ecological Society of America, August 4-9th, Minneapolis, MN, USA.
- Bell, A.T., K.K. Heinrich, and C.V. Baxter. 2013. Of olives and carp: potential facilitation between invasive species and consequences for stream nutrient dynamics. Poster presentation, Annual Meeting of the Society for Freshwater Science, May 19-23rd, Jacksonville, Florida, USA.
- Lyon, M. R., T.A. Gardner, M.V. Schenk, and C.V. Baxter. 2013. A multi-trophic level investigation sheds light on long-term responses of stream ecosystems to wildfire. Poster presentation, Annual Meeting of the Society for Freshwater Science, May 19-23rd, Jacksonville, Florida, USA.
- Heinrich, K.K. and C.V. Baxter. 2013. Influence of riparian habitat degradation and New Zealand mudsnail invasion on web-building spiders. Annual Meeting of the Society for Freshwater Science, May 19-23rd, Jacksonville, Florida, USA.
- Cornell, J.J. and C.V. Baxter. 2013. Recreational land use effects on an urban-fringe stream ecosystem: how much fun can one watershed endure? Invited presentation in special session entitled, "Mechanisms of urban impacts on stream ecosystems: a global perspective," Annual Meeting of the Society for Freshwater Science, May 19-23rd, Jacksonville, Florida, USA.
- Blackadar, R.J., C.V. Baxter, and J.M. Davis. 2013. River ice disturbance: effects on organic matter & feeding ecology of aquatic insects. Annual Meeting, Western Division of the American Fisheries Society, April 15-18th, Boise, Idaho, USA.
- Collins, S.F., C.V. Baxter, A.M. Marcarelli and M. Wipfli. 2013. Spatiotemporal complexity in stream food web responses to salmon subsidies. Invited presentation in special symposium – "Silver bullet or so much fertilizer: Synthesis and dialogue regarding the science and management of nutrient amendments as mitigation tools," Annual Meeting, Western Division of the American Fisheries Society, April 15-18th, Boise, Idaho, USA.
- Collins, S.F., C.V. Baxter, A.M. Marcarelli and M. Wipfli. 2013. A critical assessment of the ecological assumptions underpinning compensatory mitigation of salmon derived nutrients. Invited presentation in special symposium – "Silver bullet or so much fertilizer: Synthesis and dialogue regarding the science and management of nutrient amendments as mitigation tools," Annual Meeting, Western Division of the American Fisheries Society, April 15-18th, Boise, Idaho, USA.

- Harris, H.E., C.V. Baxter, and J.M. Davis. 2013. Disturbance cascade: fire and debris flows in the Salmon River Basin affect headwater linkages to main-stem habitats with consequences for salmonid fishes. Invited presentation in special symposium – “Wild Chinook salmon in a dynamic wilderness landscape,” Annual Meeting, Western Division of the American Fisheries Society, April 15-18th, Boise, Idaho, USA.
- Heinrich, K., A. Bell, C.V. Baxter. 2013. Of olives and carp: Potential facilitation between invasive species and consequences for stream nutrient dynamics. Poster presentation, Annual Meeting, Western Division of the American Fisheries Society, April 15-18th, Boise, Idaho, USA.
- Lyon, M., M. Schenk, T. Gardner, and C.V. Baxter. 2013. A multi-trophic level investigation sheds light on long-term responses of stream ecosystems to wildfire. Undergraduate student poster presentation, Annual Meeting, Western Division of the American Fisheries Society, April 15-18th, Boise, Idaho, USA.
- Marcarelli, A.M., J.D. Ebel, C.V. Baxter, A.E. Kohler, S.F. Collins, M. Wipfli. 2013. Integrating ecosystem science into fisheries-targeted nutrient enhancement programs aimed to mitigate for the loss of Pacific salmon. Invited presentation in special symposium – “Silver bullet or so much fertilizer: Synthesis and dialogue regarding the science and management of nutrient amendments as mitigation tools,” Annual Meeting, Western Division of the American Fisheries Society, April 15-18th, Boise, Idaho, USA.
- Mejia, F., A. Fremier, C.V. Baxter, E. Berntsen, and M. Newsom. 2013. Effects of hyporheic exchange on the growth of post-emergent Chinook salmon. Poster presentation, Annual Meeting, Western Division of the American Fisheries Society, April 15-18th, Boise, Idaho, USA.
- Bellmore, J.R. and C.V. Baxter. 2013. Linking fishes to their food via estimates of secondary invertebrate production. Invited presentation in special symposium entitled, “Linking macroinvertebrates to fish habitat quality,” Annual Meeting, Oregon Chapter of the American Fisheries Society, February 19-22, 2013, Bend, Oregon, Oregon.
- Harris, H.E., C.V. Baxter, and J.M. Davis. 2012. Network dynamics: Effects of wildfire and debris flows on insect fluxes from tributaries and consequences for fish in confluence habitats. Annual Meeting of the Idaho NSF-EPSCoR Program, October 2-3rd, Boise, ID. Student poster presentation.
- Blackadar, R.J., C.V. Baxter, and J.M. Davis. 2012. Effects of winter ice dynamics on periphyton and seston in a central Idaho river ecosystem. Annual Meeting of the Idaho NSF-EPSCoR Program, October 2-3rd, Boise, ID. Student poster presentation.
- Schenk, M. and C.V. Baxter. 2012. Environmental factors affecting aquatic invertebrate production in wilderness streams of central Idaho. Annual Meeting of the Idaho NSF-EPSCoR Program, October 2-3rd, Boise, ID. Student poster presentation.
- Bellmore, J.R., C.V. Baxter and P.V. Connolly. 2012. Influence of landscape complexity on the strength of predator-prey interactions. Annual Meeting of the Ecological Society of America, August 5-10th, Portland, Oregon, USA.
- Cornell, J.J. and C.V. Baxter. 2012. Effects of recreational land use on an urban fringe stream ecosystem. Annual Meeting of the Ecological Society of America, August 5-10th, Portland, Oregon, USA.
- Cross, W.F. C.V. Baxter, R.O. Hall Jr., E.J. Rosi-Marshall, T.A. Kennedy, K.C. Donner, H.A. Wellard Kelly, S. Zahn Seegert, K. Behn and D. Kincaid. 2012. Trophic basis of production and patterns of interaction strength in food webs of a river discontinuum: Toward prediction of ecological responses to river management. Annual Meeting of the Ecological Society of America, August 5-10th, Portland, Oregon, USA.
- Harris, H.E., C.V. Baxter, and J.M. Davis. 2012. Network dynamics: Effects of wildfire and debris flows on insect fluxes from tributaries and consequences for fish in confluence habitats. Invited presentation in special session entitled, “The effects of disturbance and

- stressors on cross-ecosystem linkages,” Annual Meeting of the Society for Freshwater Science, May 20-24th, Louisville, Kentucky, USA.
- Collins, S.F. and C.V. Baxter. 2012. Heterogeneity of riparian habitat mediates responses of terrestrial arthropods to subsidies of Pacific Salmon carcasses. Annual Meeting of the Society for Freshwater Science, May 20-24th, Louisville, Kentucky, USA.
- Hall, R. O., T.A. Kennedy, C.B. Yackulic, M.D. Yard, E.J. Rosi-Marshall, W.F. Cross, and C.V. Baxter. 2012. Daily estimates of gross primary production in the Colorado River, Grand Canyon show strong effects of tributary inputs and flow variation. Annual Meeting of the Society for Freshwater Science, May 20-24th, Louisville, Kentucky, USA.
- Harris, H.E., C.V. Baxter, and J.M. Davis. 2012. Effects of wildfire and debris flows on downstream insect fluxes and consequences for drift-feeding fish in recipient confluence habitats. Annual Meeting of the Western Tri-State Consortium of the NSF-EPSCoR Program, April 3-5th, Sun Valley, Idaho. Student poster presentation.
- Blackadar, R.J., C.V. Baxter, and J.M. Davis. 2011. Effects of winter ice dynamics on periphyton and seston in a central Idaho river ecosystem. Annual Meeting of the Western Tri-State Consortium of the NSF-EPSCoR Program, April 3-5th, Sun Valley, Idaho. Student poster presentation.
- Schenk, M. and C.V. Baxter. 2012. Environmental factors affecting aquatic invertebrate production in wilderness streams of central Idaho. Annual Meeting of the Western Tri-State Consortium of the NSF-EPSCoR Program, April 3-5th, Sun Valley, Idaho. Student poster presentation.
- Harris, H.E., C.V. Baxter, and J.M. Davis. 2012. Effects of wildfire and debris flows on downstream insect fluxes and consequences for drift-feeding fish in recipient confluence habitats. Annual Meeting, Idaho Chapter of the American Fisheries Society, March 7-9th, Coeur d’Alene, Idaho.
- Collins, S.F., C.V. Baxter and A.M. Marcarelli. 2012. A critical assessment of the ecological assumptions underpinning compensatory mitigation of salmon derived nutrients. Annual Meeting, Idaho Chapter of the American Fisheries Society, March 7-9th, Coeur d’Alene, Idaho.
- Heyrend, N., K. Donner and C.V. Baxter. 2012. Assimilation efficiency of Utah sucker and speckled dace feeding on Chironomidae larvae at different temperatures. Annual Meeting, Idaho Chapter of the American Fisheries Society, March 7-9th, Coeur d’Alene, Idaho. Undergraduate student poster presentation.
- Schenk, M. and C.V. Baxter. 2012. Environmental factors affecting aquatic invertebrate production in wilderness streams of central Idaho. Annual Meeting, Idaho Chapter of the American Fisheries Society, March 7-9th, Coeur d’Alene, Idaho. Undergraduate student poster presentation.
- Walters, D.M., E.J. Rosi-Marshall, W.F. Cross, T.A. Kennedy, and C.V. Baxter. 2011. A quantitative food web approach for estimating Se flux in the Colorado River in Grand Canyon. Annual Meeting of the Society of Environmental Toxicology and Chemistry (SETAC), Boston, Massachusetts, November 3, 2011.
- Fausch, K D; Benjamin, J R; Saunders, W C; Baxter, C V; Lepori, F. 2011. Trout invasions and cattle grazing can have large effects on predators like spiders and trout in adjacent habitats by reducing invertebrate prey subsidies. Invited Presentation to Oregon Department of Fish and Wildlife, Oregon Hatchery Research Center, September, 2011.
- Donner, K.C., C.V. Baxter, W.F. Cross, E.J. Rosi-Marshall, T.A. Kennedy, S. Zahn-Seegert and R.O. Hall Jr. 2011. Low Diversity of High Quality Food Items May Amplify the Potential for Competition Between Native and Non-Native Fishes in a Large Regulated River. Annual Meeting of the American Fisheries Society, September 4-8th, Seattle, WA.
- Marcarelli, A.M., C.V. Baxter, M. Wipfli, A.E. Kohler, S.F. Collins, J.D. Ebel and G. Servheen. 2011. Salmon Nutrient Mitigation Effects on Bottom-up Processes in Streams: Lessons

- from Large-Scale Experiments in Central Idaho. Invited presentation in special symposium – “Marine Derived Nutrients in Freshwater Systems – Anadromous Fishes and the Nutrient Cycle,” Annual Meeting of the American Fisheries Society, September 4-8th, Seattle, WA.
- Servheen, G., M. Wipfli, C.V. Baxter, L. Felicetti, A.M. Marcarelli, K. Kavanagh. 2011. Managing and Mitigating Salmon-Derived Nutrients: Are Analogs Salmon Avatars? Invited presentation in special symposium – “Marine Derived Nutrients in Freshwater Systems – Anadromous Fishes and the Nutrient Cycle,” Annual Meeting of the American Fisheries Society, September 4-8th, Seattle, WA.
- Collins, S.F., C.V. Baxter, A.M. Marcarelli and M. Wipfli. 2011. Effects of Salmon Carcass and Analog Additions on Resident Trout in Idaho. Invited presentation in special symposium – “Marine Derived Nutrients in Freshwater Systems – Anadromous Fishes and the Nutrient Cycle,” Annual Meeting of the American Fisheries Society, September 4-8th, Seattle, WA.
- Bellmore, J.R., C.V. Baxter, P.J. Connolly and K.D. Martens. 2011. Combining Food Web and Ecosystem Techniques to Evaluate the Potential for Salmon and Steelhead Habitat Restoration. Annual Meeting of the American Fisheries Society, September 4-8th, Seattle, WA.
- Blackadar, R.J., C.V. Baxter, and J.M. Davis. 2011. Effects of winter ice dynamics on periphyton and seston in a central Idaho river ecosystem. Annual Meeting of the North American Benthological Society, May 22-26, Providence, Rhode Island. Poster presentation.
- Collins, S.F., C.V. Baxter, A.M. Marcarelli, and M.S. Wipfli. 2011. Effects of salmon carcass and analog additions on resident trout in Idaho. Annual Meeting of the North American Benthological Society, May 22-26, Providence, Rhode Island.
- Cornell, J.P., C.V. Baxter, M.J. Walker, and H.A. Bechtold. 2011. Impacts of recreational land use on stream ecosystem structure and function in a small urban fringe watershed in southeast Idaho, USA. Annual Meeting of the North American Benthological Society, May 22-26, Providence, Rhode Island.
- Cross, W.C., C.V. Baxter, R.O. Hall, Jr., T.A. Kennedy, E.J. Rosi-Marshall, and H.A. Wellard Kelly. 2011. Spatial and temporal patterns of resource stoichiometry in the Colorado River, Grand Canyon: Implications for invertebrate production. Annual Meeting of the North American Benthological Society, May 22-26, Providence, Rhode Island.
- Davis, J.M., G.W. Minshall, C.V. Baxter, N.F. Olson, C. Tang, and B.T. Crosby. 2011. Predicting effects of earlier runoff on periphyton: implications of climate change from a 20-year study of wilderness streams in Idaho. Annual Meeting of the North American Benthological Society, May 22-26, Providence, Rhode Island.
- Harris, H.E., C.V. Baxter, and J.M. Davis. 2011. Effects of wildfire and debris flows on downstream and lateral fluxes and consequences for recipient predators. Annual Meeting of the North American Benthological Society, May 22-26, Providence, Rhode Island.
- Vallis, K.L. E.J. Rosi-Marshall, C.V. Baxter, and J.M. Davis. 2011. Using past and present aquatic insect diets to compare resource use across seasons and decades. Annual Meeting of the North American Benthological Society, May 22-26, Providence, Rhode Island. Poster presentation.
- Fausch, K D; Benjamin, J R; Saunders, W C; Baxter, C V; Lepori, F. 2011. Anthropogenic stressors on streams and riparian zones can have large effects on predators in adjacent habitats by reducing prey subsidies. Invited presentation at the 7th Symposium for European Freshwater Sciences, June 27-July 1, 2011, Girona, Spain.
- Collins, S F, C.V. Baxter, A.M. Marcarelli, and M.S. Wipfli. 2011. Effects of experimental salmon carcass and analog additions on resident trout growth rates, abundance, and

- production. Annual Meeting of the Idaho Chapter of the American Fisheries Society, March 2-4, 2011, Boise, ID.
- Bell, A., S.F. Collins, C.V. Baxter, A.M. Marcarelli, and M.S. Wipfli. 2011. Resident trout consumption of salmon carcass and analog added to tributaries of the N. Fork Boise River, Idaho. Annual Meeting of the Idaho Chapter of the American Fisheries Society, March 2-4, 2011, Boise, ID. Undergraduate researcher poster presentation.
- Kennedy, T.A., W.F. Cross, C.V. Baxter, K.C. Donner, E.J. Rosi-Marshall, R.O. Hall Jr., and K. Behn. 2011. The use of invertebrate drift in combination with flow food webs to evaluate the effects of a controlled flood on a tailwater trout population. 32nd annual Researchers' Meeting of the Upper Colorado River Fish Recovery Program and San Juan River Basin Recovery Implementation Program. January 12-13, 2011, Moab, Utah.
- Donner, K.C., C.V. Baxter, W.F. Cross, E.J. Rosi-Marshall, T.A. Kennedy, S.E. Zahn-Seegert, D. Kincaid, R.S. Rogers and R.O. Hall Jr. 2011. Fighting for steak at the salad bar: Low availability of high quality prey may amplify potential for competition between native and nonnative fishes in the Colorado River, Grand Canyon. 32nd annual Researchers' Meeting of the Upper Colorado River Fish Recovery Program and San Juan River Basin Recovery Implementation Program. January 12-13, 2011, Moab, Utah.
- Cornell, J J, Davis, J M, Minshall, G W, Baxter, C V, Rugenski, A T, Olson, N F, Crosby, B T. 2010. Effects of earlier spring snow-melt on periphyton biomass: potential climate change implications from a 20-year study of a wilderness stream ecosystem. Poster presentation, Annual Meeting of the Idaho NSF-EPSCoR Program, August 31st, Boise, ID.
- Wipfli, M.S., A.M. Marcarelli, Kavanagh, K., G. Servheen, S.F. Collins, L. Felicetti, S. Florin, C.V. Baxter, T. Wheeler, and A. Noble Stuen. 2010. Mitigating for the loss of marine nutrients from salmon: Ecological effects of salmon carcass and analog additions to headwater aquatic and terrestrial systems. Poster presentation, 95th annual meeting of the Ecological Society of America, August 1 – 6, 2010, Pittsburgh, PA, USA.
- Bechtold, H A, Baxter, C V, Marcarelli, A M, Inouye, R S. 2010. Are nutrient loading effects on stream nutrient processing driven by shifts in biofilm community dynamics? North American Benthological Society Annual Meeting. Santa Fe, New Mexico, June 6, 2010
- Bellmore, J R, Baxter, C V. 2010. A production-budget analysis of floodplain restoration potential in the Salmon River basin, Idaho. North American Benthological Society Annual Meeting. Santa Fe, New Mexico, June 6, 2010
- Benjamin, J R; Baxter, C V; Fausch, K D; Lepori, F. Replacement of native by nonnative salmonid: changes in trout production and consequences of stream-riparian food webs. North American Benthological Society Annual Meeting. Santa Fe, New Mexico, June 6, 2010.
- Collins, S F, Baxter, C V, Marcarelli, A, Wipfli, M S. 2010. Response of riparian insects and spiders to experimental additions of salmon carcasses. North American Benthological Society Annual Meeting. Santa Fe, New Mexico, June 6, 2010.
- Cornell, J J, Davis, J M, Minshall, G W, Baxter, C V, Rugenski, A T, Olson, N F, Crosby, B T. 2010. Effects of earlier spring snow-melt on periphyton biomass: potential climate change implications from a 20-year study of a wilderness stream ecosystem. Poster presentation, North American Benthological Society Annual Meeting. Santa Fe, New Mexico, June 6, 2010.
- Cross, W F; Baxter, C V; Donner, K C; Rosi-Marshall, E J; Kennedy, T A; Hall, Jr., R O; Wellard, H; Kincaid, D. Energetic food webs help explain unanticipated increase in trout production following the 2008 controlled flood in the Colorado River, Glen Canyon. North American Benthological Society Annual Meeting. Santa Fe, New Mexico, June 6, 2010.
- Davis, J M; Baxter, C V; Crosby, B T; Pierce, J L; Rosi-Marshall E J. Do indirect effects of global climate change on forest, fire, and flow dynamics mediate responses of stream-riparian

- ecosystems? Invited presentation, North American Benthological Society Annual Meeting. Santa Fe, New Mexico, June 6, 2010.
- Donner, K C; Baxter, C V; Seegert, S Z; Rosi-Marshall, E J; Kincaid, D; Kennedy, T A; Cross, W F; Rogers, R S; Hall, R O. Quality matters: low diversity of high quality food items may amplify potential for competition between native and nonnative fishes in a large regulated river. North American Benthological Society Annual Meeting. Santa Fe, New Mexico, June 6, 2010.
- Fausch, K D; Baxter, C V; Saunders, W C; Benjamin, J R; Lepori, F. 2010. Strong effects of introduced salmonids and multiple stressors propagate across habitat boundaries in linked stream-riparian ecosystems. North American Benthological Society Annual Meeting. Santa Fe, New Mexico, June 6, 2010.
- Lueders-Dumont, J A, Bellmore, R J, Baxter, C V. 2010. Floodplain habitat heterogeneity and benthic invertebrate communities: a comparison of main channel and side channel habitats in the Methow River, WA. North American Benthological Society Annual Meeting. Santa Fe, New Mexico, June 6, 2010.
- Kennedy, T A, Cross, W F, Baxter, C V, Donner, K, Rosi-Marshall, E J, Hall, R O, Behn, K E, Kincaid, D, Copp, A. 2010. The use of invertebrate drift in combination with flow food webs to evaluate the effects of a controlled flood on a tailwater trout population. North American Benthological Society Annual Meeting. Santa Fe, New Mexico, June 6, 2010
- Marcarelli, A.M, C.V. Baxter, and M. Murakami. 2010. Quantity and quality: the role of terrestrial subsidies in food web pathways and ecosystem metabolism in Horonai Stream. North American Benthological Society Annual Meeting, June 6, 2010, Santa Fe, New Mexico, USA.
- Mineau, M M; Baxter, C V; Marcarelli, A M; Minshall, G W. Retentive or leaky? 2010. How do stream ecosystems respond to carbon and nitrogen subsidies from non-native Russian olive (*Eleagnus angustifolia*)? Invited presentation, North American Benthological Society Annual Meeting. Santa Fe, New Mexico, June 6, 2010.
- Vallis, K L, Rosi-Marshall, E J, Baxter, C V, Davis, J M. 2010. Past and present aquatic invertebrate diets as indicators of climate change: the River Continuum redux. North American Benthological Society Annual Meeting. Santa Fe, New Mexico, June 6, 2010.
- Benjamin, J.R., K. D. Fausch (presenter), and C. V. Baxter. 2010. Does replacement of a native trout by a nonnative reduce insect prey subsidies to riparian predators? International Symposium on Advances in the Population Ecology of Stream Salmonids. Luarca, Spain. May 17-21, 2010.
- Benjamin, J.R., C.V. Baxter, K.D. Fausch, F.A. Lepori. 2010. Replacement of a native by a nonnative salmonid: changes in trout production and consequences for stream-riparian food webs. Annual meeting of the Western Division of the American Fisheries Society, April 19-23, Salt Lake City, Utah, USA.
- Collins, S.F., C.V. Baxter, A.M. Marcarelli, and M.S. Wipfli. 2010. Responses of riparian insects and spiders to experimental additions of salmon carcasses and analog. Annual meeting of the Western Division of the American Fisheries Society, April 19-23, Salt Lake City, Utah, USA.
- Donner, K.C., C.V. Baxter, D. Kincaid, E.J. Rosi-Marshall, W.T. Cross, T.A. Kennedy, S. Rogers, R.O. Hall. 2010. Quality matters: Low diversity of high quality food items may amplify the potential for competition between native and non-native fishes in a large regulated river. Annual meeting of the Western Division of the American Fisheries Society, April 19-23, Salt Lake City, Utah, USA.
- Wipfli, M.S. and C.V. Baxter. 2010. Food supplies that drive fish productivity: Modeling prey flux in riverine networks. Annual meeting of the Western Division of the American Fisheries Society, April 19-23, Salt Lake City, Utah, USA.

- Bellmore, J.R. and C.V. Baxter. 2010. The function of floodplain vs. confined segments in an Idaho river network: organic matter dynamics and invertebrate production. Annual meeting of the Idaho Chapter of the American Fisheries Society, March 3-5, Pocatello, Idaho, USA.
- Donner, K.C., S.E. Zahn, C.V. Baxter, E.J. Rosi-Marshall, W.T. Cross, T.A. Kennedy, S. Rogers, R.O. Hall. 2010. Two native suckers in a dammed river: a tale of persistence. Annual meeting of the Idaho Chapter of the American Fisheries Society, March 3-5, Pocatello, Idaho, USA.
- Collins, S.F., C.V. Baxter, A.M. Marcarelli, and M.S. Wipfli. 2010. Riparian insect response to experimental salmon carcass additions to Idaho streams. Annual meeting of the Idaho Chapter of the American Fisheries Society, March 3-5, Pocatello, Idaho, USA.
- Benjamin, J.R., C.V. Baxter, and K.D. Fausch. 2010. Does replacement of a native salmonid by a nonnative reduce subsidies to riparian consumers? Annual meeting of the Idaho Chapter of the American Fisheries Society, March 3-5, Pocatello, Idaho, USA.
- Pierce, J. L. Baxter, C. V., Yager, E. M., Fremier, A. K., Crosby, B. T., Smith, A. M., Kennedy, B., Hicke, J. A., Feris, K., 2009, Forests, fire, floods and fish: nonlinear biophysical responses to changing climate. American Geophysical Union Annual Meeting, 14–18 December, San Francisco, California, USA.
- Cooke, T., C. Perkins, J. Martinez, Z. Wadsworth, L. Crue from ISU, T. Auck, O. Yokoyama, and P. Sequints. 2009. Using science to explore our paths: western science with Native views (advisors S. Matsaw and C.V. Baxter). Annual meeting of the American Indian Science and Engineering Society, October 29-31, Portland, Oregon.
- Marcarelli, A.M., C.V. Baxter, S.F. Collins, and M.S. Wipfli. 2009. Short-term ecosystem responses to experimental salmon carcass and analog additions in headwater streams. 94th annual meeting of the Ecological Society of America, August 2-7, 2009, Albuquerque, New Mexico, USA.
- Fausch, K.D., S. Nakano, C.V. Baxter, and M. Murakami. 2009. Effects of multiple stressors in north temperate streams: lessons learned from forest-stream ecosystems in northern Japan. Invited seminar to USDA Forest Service, Pacific Northwest Research Station, Olympia Forestry Sciences Laboratory, Olympia, WA. July 2009.
- Bechtold, H.A., C. V. Baxter, A.M. Marcarelli, and R.S. Inouye. 2009. Differences in nutrient uptake (N, P, carbon) and organic matter processing rates in relation to land use intensity. 57th annual meeting of the North American Benthological Society, May 18-22, 2009, Grand Rapids, Michigan, USA.
- Bellmore, J.R., C.V. Baxter, K. Tardy, and L. Denny. 2009. Testing assumptions behind alternative recovery strategies for anadromous salmonids in the Yankee Fork Salmon River, Idaho: An analysis of food limitation. 57th annual meeting of the North American Benthological Society, May 18-22, 2009, Grand Rapids, Michigan, USA.
- Benjamin, J.R., C.V. Baxter, and K.D. Fausch. 2009. Regional comparison of native cutthroat and nonnative brook trout and their food web effects. 57th annual meeting of the North American Benthological Society, May 18-22, 2009, Grand Rapids, Michigan, USA.
- Collins, S.F., C.V. Baxter, A.M. Marcarelli, and M.S. Wipfli. 2009. Riparian insect response to experimental in-stream salmon additions. 57th annual meeting of the North American Benthological Society, May 18-22, 2009, Grand Rapids, Michigan, USA.
- Cornell, J.P., I. Verkaik, C.V. Baxter, and G.W. Minshall. 2009. Effects of wildfire on organic matter sources and macroinvertebrate assemblages in watersheds of central Idaho, USA. Poster presentation, 57th annual meeting of the North American Benthological Society, May 18-22, 2009, Grand Rapids, Michigan, USA.
- Cross, W.F., C.V. Baxter, E.J. Rosi-Marshall, H. Wellard., R.O. Hall, T.A. Kennedy, and K.C. Donner. 2009. An extremely inefficient food web in the tailwater of a large dam. 57th

- annual meeting of the North American Benthological Society, May 18-22, 2009, Grand Rapids, Michigan, USA.
- Della Croce, P., G.C. Poole, and C.V. Baxter. 2009. An investigation of catchment characteristics as drivers of non-native salmonid invasion success in the western US. Poster presentation, 57th annual meeting of the North American Benthological Society, May 18-22, 2009, Grand Rapids, Michigan, USA.
- Donner, K.C., S.E. Zahn, C.V. Baxter, E.J. Rosi-Marshall, D. Kincaid, T.A. Kennedy, and M.D. Yard. 2009. Diets of a fish assemblage in the Grand Canyon, Colorado River: Assessing potential interactions between native and non-native species. 57th annual meeting of the North American Benthological Society, May 18-22, 2009, Grand Rapids, Michigan, USA.
- Lepori, F., J.R. Benjamin, K.D. Fausch, and C.V. Baxter. 2009. Effects of invasive trout on populations of benthic prey. 57th annual meeting of the North American Benthological Society, May 18-22, 2009, Grand Rapids, Michigan, USA.
- Marcarelli, A.M., R. W. Van Kirk, and C.V. Baxter. 2009. Present and future effects of agricultural practices and climate change on coupled hydrologic and biologic regimes in a western U.S. river. 57th annual meeting of the North American Benthological Society, May 18-22, 2009, Grand Rapids, Michigan, USA.
- Martin, R.A., A.M. Marcarelli, C.V. Baxter, S.F. Collins, and M.S. Wipfli. 2009. Nutrient limitation and uptake response to experimental salmon additions in Idaho headwater streams. Poster presentation, 57th annual meeting of the North American Benthological Society, May 18-22, 2009, Grand Rapids, Michigan, USA.
- Mineau, M.M., C.V. Baxter, A.M. Marcarelli, A.J. Leffler, and T. Kasahara. 2009. In-stream nutrient processing is altered due to a nitrogen subsidy caused by russian olive, a non-native riparian tree. 57th annual meeting of the North American Benthological Society, May 18-22, 2009, Grand Rapids, Michigan, USA.
- Walters, D.M., E.J. Rosi-Marshall, W.F. Cross, T.A. Kennedy, and C.V. Baxter. 2009. A quantitative food web approach for estimating selenium flux in the Colorado River in Grand Canyon. 57th annual meeting of the North American Benthological Society, May 18-22, 2009, Grand Rapids, Michigan, USA.
- Vallis, K.L., E.J. Rosi-Marshall, C.V. Baxter. 2009. Hidden treasures in archived invertebrate collections: Exploring past resource use from preserved gut contents. Poster presentation, 57th annual meeting of the North American Benthological Society, May 18-22, 2009, Grand Rapids, Michigan, USA. *Awarded Best Student Poster.*
- Wipfli, M.S. and C.V. Baxter. 2009. Food supplies that drive fish productivity: Modeling prey flux in riverine networks. 57th annual meeting of the North American Benthological Society, May 18-22, 2009, Grand Rapids, Michigan, USA.
- Zahn, S.E., E.J. Rosi-Marshall, C.V. Baxter, T.A. Kennedy, R.O. Hall and W.F. Cross. 2009. Influence of spatial and temporal heterogeneity on small-bodied fish diets in the Colorado River. 57th annual meeting of the North American Benthological Society, May 18-22, 2009, Grand Rapids, Michigan, USA.
- Mineau, M.M., C.V. Baxter, A.M. Marcarelli, A.J. Leffler, and T. Kasahara. 2009. In-stream nutrient processing is altered due to nitrogen subsidy caused by Russian olive, a non-native riparian tree. "Climate Change and the Intermountain West:" 5th Spring Runoff Conference, Utah State University, April 2-3, 2009, Logan, Utah, USA.
- Donner, K.C., S.E. Zahn, C.V. Baxter, E.J. Rosi-Marshall, D. Kincaid, T.A. Kennedy, and M.D. Yard. 2009. Diets of a fish assemblage in the Grand Canyon, Colorado River: Assessing potential interactions between native and non-native species. "Climate Change and the Intermountain West:" 5th Spring Runoff Conference, Utah State University, April 2-3, 2009, Logan, Utah, USA.

- Crosby, B., Baxter, C.V., Wheaton, J., Pierce, J., Yager, E., Kennedy, B., Hicke, J. 2009. Scaling the geomorphic and ecological consequences of contemporary climate change within the Salmon River watershed, central Idaho. Poster presentation. "Climate Change and the Intermountain West:" 5th Spring Runoff Conference, Utah State University, April 2-3, 2009, Logan, Utah, USA.
- Bellmore, J.R., C.V. Baxter, K. Tardy, and L. Denny. 2009. Testing Assumptions Behind Alternative Recovery Strategies for Anadromous Salmonids: An Analysis of Food Limitation in the Upper Salmon Basin, Idaho. Annual meeting of the Idaho Chapter, American Fisheries Society, March 3-6, 2009, Boise, Idaho, USA.
- Benjamin, J.R., F.A. Lepori, C.V. Baxter, and K.D. Fausch. 2009. An Experimental Comparison of Food Web Effects by Native and Nonnative Trout. Annual meeting of the Idaho Chapter, American Fisheries Society, March 3-6, 2009, Boise, Idaho, USA.
- Collins, S.F., C.V. Baxter, A.M. Marcarelli, and M. Wipfli. 2009. There's No Fish like Dead Fish: How do Salmon Additions Influence Resident-Fish Growth? Annual meeting of the Idaho Chapter, American Fisheries Society, March 3-6, 2009, Boise, Idaho, USA.
- Donner, K.C., S.E. Zahn, C.V. Baxter, E.J. Rosi-Marshall, D. Kincaid, T.A. Kennedy, and M.D. Yard. 2009. Comparison of Trophic Basis of Production for Native and Non-native Fishes Colorado River, Grand Canyon. Annual meeting of the Idaho Chapter, American Fisheries Society, March 3-6, 2009, Boise, Idaho, USA.
- Marcarelli, A.M., C.V. Baxter, S. Collins, R.A. Martin, and M. Wipfli. 2009. Short-Term Periphyton and Nutrient Responses to Experimental Salmon Additions in Headwater Streams. Annual meeting of the Idaho Chapter, American Fisheries Society, March 3-6, 2009, Boise, Idaho, USA.
- Mineau, M.M., C.V. Baxter. 2009. Aquatic consequences of land management: The example of invasive Russian olive effects on stream ecosystems. Invited presentation to the Natural Resources Conservation Service of Idaho, Annual All-Employees Meeting, February 25th, Pocatello, Idaho.
- Crosby, B., Baxter, C.V., Wheaton, J., Pierce, J., Yager, E., Kennedy, B., Hicke, J. 2008. Scaling the geomorphic and ecological consequences of contemporary climate change within the Salmon River watershed, central Idaho. Invited presentation to special session entitled, "The Critical Role of Long-term Watershed and Ecosystem Experimental Networks in Advancing Science," American Geophysical Union Annual Meeting, Dec 15-19, San Francisco, CA.
- Mineau, M.M., C.V. Baxter, A.M. Marcarelli, and G. W. Minshall. 2008. Invasive riparian tree alters stream nitrogen dynamics. Poster presentation. American Geophysical Union Annual Meeting, Dec 15-19, San Francisco, CA.
- Crosby, B., Baxter, C.V., Wheaton, J., Pierce, J., Yager, E., Kennedy, B., Hicke, J. 2008. Scaling the geomorphic and ecological consequences of contemporary climate change within the Salmon River watershed, central Idaho. NSF EPSCoR Water Dynamics Research Workshop, Nov. 9-12, Burlington, Vermont.
- Hall, R.O., T.A. Kennedy, E.J. Rosi-Marshall, W.F. Cross, C.V. Baxter, and M.D. Yard. Aquatic production and carbon flow in the Colorado River. Invited Plenary Presentation, 2008 Colorado River Basin Science and Resource Management Symposium, November 18-20th, Scottsdale, Arizona.
- Rosi-Marshall, E.J. T. A. Kennedy, W.F. Cross, R.O. Hall, C.V. Baxter and D. Kincaid. Effects of the 2008 BHBF on invertebrates in the Colorado River below Glen Canyon Dam. Invited oral presentation, 2008 Colorado River Basin Science and Resource Management Symposium, November 18-20th, Scottsdale, Arizona.
- Yard, M.D., L. Coggins, C.V. Baxter. 2008. Predation by nonnative trout on native fishes in the Grand Canyon of the Colorado River. Invited oral presentation, 2008 Colorado River

- Basin Science and Resource Management Symposium, November 18-20th, Scottsdale, Arizona.
- Minshall, G. W. and C.V. Baxter. 2008. Stream-riparian ecosystem responses to the 1988 wildfires – a 20 year perspective. Invited presentation to special session entitled, “Fire and aquatic ecosystems,” International Association of Wildland Fire 9th Biennial Conference, “The ‘88 Fires: Yellowstone and Beyond,” Sept. 22-27th, 2008, Jackson, WY.
- Fausch, K.D., C.V. Baxter, and M. Murakami. 2008. Multiple stressors in north temperate streams: lessons from linked forest-stream ecosystems in northern Japan. Invited presentation to Freshwater Biological Association Conference in Aquatic Biology on “Multiple stressors in Freshwater Ecosystems,” The Inaugural Freshwater Biology Summit, 1–4 September 2008, FBA Windermere, Cumbria, UK.
- Benjamin, J.R., F.A. Lepori, C.V. Baxter, K.D. Fausch. 2008. Food web effects of a nonnative fish: Initial results of a large-scale field experiment. 138th annual meeting of the American Fisheries Society, Aug. 17-21st, 2008, Ottawa, Canada.
- Owens, D., J.R. Benjamin, C.V. Baxter, F.A. Lepori, and K.D. Fausch. 2008. Effects of population density on feeding behavior by brook and cutthroat trout in an Idaho stream. 138th annual meeting of the American Fisheries Society, Aug. 17-21st, 2008, Ottawa, Canada. Poster presentation.
- Bellmore, J.R., C.V. Baxter, and A.M. Ray. 2008. Sources and retention of organic matter in a river network: The function of floodplain vs. confined segments. 56th annual meeting of the North American Benthological Society, May 25-30, 2008, Salt Lake City, Utah, USA.
- Bechtold, H.A., A.M. Marcarelli, C. V. Baxter, and R.S. Inouye. 2008. A spatially nested analysis of land use effects on nutrient limitation: C and N interact to control autotrophic and heterotrophic responses. 56th annual meeting of the North American Benthological Society, May 25-30, 2008, Salt Lake City, Utah, USA.
- Benjamin, J.R., F.A. Lepori, C.V. Baxter, K.D. Fausch. 2008. Food web effects of a nonnative fish: Initial results of a large-scale field experiment. 56th annual meeting of the North American Benthological Society, May 25-30, 2008, Salt Lake City, Utah, USA.
- Fausch, K.D., F. Lepori, J.R. Benjamin, C.V. Baxter. 2008. Effects of trout invasions on benthic assemblages. 56th annual meeting of the North American Benthological Society, May 25-30, 2008, Salt Lake City, Utah, USA.
- Malison, R.L. and C.V. Baxter. 2008. Streams affected by wildfire of varying severity differ in aquatic insect assemblage structure and emergence. 56th annual meeting of the North American Benthological Society, May 25-30, 2008, Salt Lake City, Utah, USA.
- Marcarelli, A.M., M.M. Mineau, C.V. Baxter, and R.O. Hall. 2008. A framework integrating quantity and consumer utilization of carbon to redefine trophic state of freshwater ecosystems. 56th annual meeting of the North American Benthological Society, May 25-30, 2008, Salt Lake City, Utah, USA.
- Mineau, M.M., C.V. Baxter, A.M. Marcarelli, and G. W. Minshall. 2008. Riparian tree invasion reduces invertebrate diversity, biomass, and secondary production in a desert spring stream. 56th annual meeting of the North American Benthological Society, May 25-30, 2008, Salt Lake City, Utah, USA.
- Owens, D., J.R. Benjamin, C.V. Baxter, F.A. Lepori, and K.D. Fausch. 2008. Effects of population density on feeding behavior by brook and cutthroat trout in an Idaho stream. 56th annual meeting of the North American Benthological Society, May 25-30, 2008, Salt Lake City, Utah, USA. Poster presentation.
- Rosi-Marshall, E.J., C.V. Baxter, W.F. Cross, H.A. Wellard, R.O. Hall, T.A. Kennedy, and M.D. Yard. 2008. Algal flows to non-native animals dominate the organic matter flow in the food web of Glen Canyon, Colorado River. 56th annual meeting of the North American Benthological Society, May 25-30, 2008, Salt Lake City, Utah, USA.

- Walker, M.J., K. Flandro, H.A., and C. V. Baxter. 2008. Consequences of recreational landuse for small urban fringe streams: Are we loving them to death? 56th annual meeting of the North American Benthological Society, May 25-30, 2008, Salt Lake City, Utah, USA. Poster presentation.
- Wellard, H.A., E.J. Rosi-Marshall, R.O. Hall, W.F. Cross, T.A. Kennedy, and C.V. Baxter. 2008. Using multiple methods to assess invertebrate diets in the Colorado River below Glen Canyon Dam. 56th annual meeting of the North American Benthological Society, May 25-30, 2008, Salt Lake City, Utah, USA.
- Zahn, S.E., E.J. Rosi-Marshall, C.V. Baxter, M.D. Yard, T.A. Kennedy, W.F. Cross, and R.O. Hall. 2008. Potential resource competition between juvenile suckers and non-native minnows in the Colorado River below Glen Canyon Dam. 56th annual meeting of the North American Benthological Society, May 25-30, 2008, Salt Lake City, Utah, USA. Poster presentation.
- Bellmore, J.R., C.V. Baxter, and A.M. Ray. 2008. Sources and retention of organic matter in a river network: The function of floodplain vs. confined segments. Annual meeting of the Western Division of the American Fisheries Society, May 4-8, 2008, Portland, Oregon, USA.
- Lance, M. And C.V. Baxter. 2008. Ecological significance of mountain whitefish (*Prosopium williamsoni*) in an Idaho wilderness stream. Annual meeting of the Western Division of the American Fisheries Society, May 4-8, 2008, Portland, Oregon, USA.
- Yard, M.D., L. Coggins, C.V. Baxter. 2008. Predation by nonnative trout on native fishes in the Grand Canyon of the Colorado River. Invited presentation at Symposium "Predators and Their Prey," Idaho State University, Pocatello, Idaho. May 12-14th, 2008.
- Marcarelli, A.M., J. Hopkins, H. Bechtold, C.V. Baxter, R. Inouye. 2008. Measures of ecosystem function complement water quality in a polluted, spring-influenced river. Annual Spring Runoff Conference, Utah State University, March 31-April 1, 2007, Logan, UT, USA.
- Mineau, M.M., C.V. Baxter, A.M. Marcarelli, G.W. Minshall. 2008. Aquatic effects of a terrestrial invader: A 35-year natural experiment shows Russian olive alters basal resources and community metabolism of a desert spring stream. Annual Spring Runoff Conference, Utah State University, March 31-April 1, 2007, Logan, UT, USA.
- Bellmore, J. R., C. V. Baxter, and A. Ray. 2008. "Floodplain contributions to basal resources and retention in montane rivers: Comparison of dredge-mined to reference segments." Annual meeting of the Idaho Chapter, American Fisheries Society, February 6-8, 2008, Post Falls, Idaho, USA. *Best Student Paper Award*.
- Benjamin, J. R. and C. V. Baxter. 2008. Do nonnative brook trout exhibit higher density, biomass and annual production than native cutthroat trout? A call for meta-analysis. Annual meeting of the Idaho Chapter, American Fisheries Society, February 6-8, 2008, Post Falls, Idaho, USA.
- Malison, R. L. and C. V. Baxter. 2008. Comparison of benthic and emergent insect community composition in streams affected by wildfire of varying burn severity. Annual meeting of the Idaho Chapter, American Fisheries Society, February 6-8, 2008, Post Falls, Idaho, USA.
- Bellmore, J.R., C.V. Baxter, and A.M. Ray. 2007. Floodplain contributions to basal resources and retention in montane rivers: Comparison of dredge-mined to reference segments. 55th annual meeting of the North American Benthological Society, June 3-8, 2007, Columbia, South Carolina, USA.
- Benjamin, J.R., C.V. Baxter, and K.D. Fausch. 2007. Regional differences between brook trout and cutthroat trout populations and potential consequences for stream-riparian ecosystems. 55th annual meeting of the North American Benthological Society, June 3-8, 2007, Columbia, South Carolina, USA.

- Bechtold, H.A., A.M. Marcarelli, C.V. Baxter, and R.S. Inouye. 2007. The effect of agro-urban land-use on stream retention of dissolved nitrogen, carbon, and phosphorus in SE Idaho. 55th annual meeting of the North American Benthological Society, June 3-8, 2007, Columbia, South Carolina, USA. Poster Presentation.
- Mineau, M.M., C.V. Baxter, A.M. Marcarelli, G.W. Minshall, and S.A. Thomas. 2007. Aquatic effects of a terrestrial invader: 35-year natural experiment shows Russian olive alters basal resources and community metabolism of a desert spring stream. 55th annual meeting of the North American Benthological Society, June 3-8, 2007, Columbia, South Carolina, USA.
- Marcarelli, A.M., H.A. Bechtold, R.S. Inouye, A.T. Rugenski and C.V. Baxter. 2007. Concordance (or lack thereof) between water chemistry and ecosystem function in a eutrophic river. 55th annual meeting of the North American Benthological Society, June 3-8, 2007, Columbia, South Carolina, USA.
- Wilkinson, R.L. and C.V. Baxter. 2007. The "Fire Pulse:" Effects of wildfire on periphyton, benthos, insect emergence, and riparian predators in a wilderness watershed. 55th annual meeting of the North American Benthological Society, June 3-8, 2007, Columbia, South Carolina, USA.
- Wilhelm, C.P., A.M. Marcarelli, C.V. Baxter, and R.S. Inouye. 2007. Denitrification Potential along a nitrate gradient within Mink Creek, Idaho. 55th annual meeting of the North American Benthological Society, June 3-8, 2007, Columbia, South Carolina, USA.
- Jones, J.L., C.V. Baxter, and C. R. Peterson. 2007. A "tail" of two streams: The influence of regional and network context on the ecology of Rocky Mountain tailed frog tadpoles. 55th annual meeting of the North American Benthological Society, June 3-8, 2007, Columbia, South Carolina, USA.
- Kennedy, T.A., E.J. Rosi-Marshall, R.O. Hall, C.V. Baxter, W.F. Cross, H.A. Wellard and M.D. Yard. 2007. A brief history of the Grand Canyon: developing an ecosystem perspective for conservation of native fishes in the Colorado River. 55th annual meeting of the North American Benthological Society, June 3-8, 2007, Columbia, South Carolina, USA.
- Hall, R.O., T.A. Kennedy, E.J. Rosi-Marshall, M.D. Yard, W.F. Cross, and C.V. Baxter. 2007. Autochthonous versus allochthonous carbon Inputs to the Colorado River, Grand Canyon. 55th annual meeting of the North American Benthological Society, June 3-8, 2007, Columbia, South Carolina, USA.
- Wellard, H.A., E.J. Rosi-Marshall, R.O. Hall, W.F. Cross, T.A. Kennedy, and C.V. Baxter. 2007. Invertebrate diets track downstream changes in resource availability in the Colorado River below Glen Canyon Dam. 55th annual meeting of the North American Benthological Society, June 3-8, 2007, Columbia, South Carolina, USA.
- Cross, W.F., C.V. Baxter, R.O. Hall, T.A. Kennedy, E.J. Rosi-Marshall, S. Rogers, and M.D. Yard. 2007. Using ecosystem production budgets to assess resource limitation of native and non-native fishes in Colorado River, Grand Canyon. 55th annual meeting of the North American Benthological Society, June 3-8, 2007, Columbia, South Carolina, USA.
- Yard, M.D., L.G. Coggins, and C.V. Baxter. 2007. Effects of tributary sediment input on distribution and foraging behavior of nonnative salmonids, and potential consequences for native fishes in the Colorado River, Grand Canyon. 55th annual meeting of the North American Benthological Society, June 3-8, 2007, Columbia, South Carolina, USA.
- Torgersen, C.E., C.V. Baxter, and H.W. Li. 2007. Pattern detection, scope, and perception in riverine ecology. Invited presentation at Symposium "Landscapes to Riverscapes: Bridging the Gaps Between Research and Management of Stream Taxa and Their Ecosystems," University of Idaho, Moscow, Idaho. May 15-16, 2007.
- Peterson, C.R., J.L. Jones, and C.V. Baxter. 2007. Amphibians in riverscapes. Invited presentation at Symposium "Landscapes to Riverscapes: Bridging the Gaps Between

- Research and Management of Stream Taxa and Their Ecosystems,” University of Idaho, Moscow, Idaho. May 15-16, 2007.
- Gillette, G., J. Benjamin, and C.V. Baxter. 2007. Does the presence of a nonnative fish affect the abundance of a semi-aquatic bird the American dipper (*Cinclus mexicanus*)? Annual Meeting of the Idaho Academy of Sciences. April 20, 2007, Idaho Falls, Idaho.
- Gillette, G., J. Benjamin, and C.V. Baxter. 2007. Does the presence of a nonnative fish affect the abundance of a semi-aquatic bird the American dipper (*Cinclus mexicanus*)? Annual Undergraduate Research Symposium, Idaho State University. April 12, 2007, Pocatello, Idaho.
- Lance, M. And C.V. Baxter. 2007. Ecological significance of mountain whitefish (*Prosopium williamsoni*) in an Idaho wilderness stream. Annual meeting of the Idaho Chapter of the American Fisheries Society, February 21-23, 2007, Boise, Idaho.
- Benjamin, J. and C.V. Baxter. 2007. Differences between brook and cutthroat trout populations in tributaries of the Teton River and potential consequences for stream-riparian ecosystems. Annual meeting of the Idaho Chapter of the American Fisheries Society, February 21-23, 2007, Boise, Idaho.
- Wilkinson, R.L. and C.V. Baxter. 2007. Aquatic-terrestrial connectivity in a wilderness watershed: Do emerging insects and riparian predators increase following wildfire? Annual meeting of the Idaho Chapter of the American Fisheries Society, February 21-23, 2007, Boise, Idaho.
- Della Croce, P. and C.V. Baxter. 2007. Use of tributary confluence habitat by westslope cutthroat trout (*Oncorhynchus clarki lewis*) in a wilderness watershed affected by wildfire. Annual meeting of the Idaho Chapter of the American Fisheries Society, February 21-23, 2007, Boise, Idaho. Poster presentation.
- Jones, J.L., C. R. Peterson, and C.V. Baxter. 2006. Abundance and age class distribution of Rocky Mountain tailed frog larvae in two stream systems. Annual Meeting of the Idaho Herpetological Society, November 4, Boise, Idaho.
- Wilkinson, R.L. and C.V. Baxter. 2006. Aquatic-terrestrial connectivity in a wilderness watershed: Do emerging insects and riparian predators increase following wildfire? 54th annual meeting of the North American Benthological Society, June 4-9, 2006, Anchorage, Alaska, USA.
- Della Croce, P. and C.V. Baxter. 2006. Use of tributary confluence habitat by westslope cutthroat trout (*Oncorhynchus clarki lewis*) in a wilderness watershed affected by wildfire. 54th annual meeting of the North American Benthological Society, June 4-9, 2006, Anchorage, Alaska, USA. Poster presentation.
- Jones, J.L., C. R. Peterson, and C.V. Baxter. 2006. Factors influencing Rocky Mountain tailed frog distribution and abundance. Joint annual meeting of the Society for Northwestern Vertebrate Biology and the Washington Chapter of the Wildlife Society, March 27- April 1, Olympia, Washington. Poster presentation.
- Beck, J., R. L. Wilkinson, and C.V. Baxter. 2005. Burned streams produce more aquatic insects and consequently higher foraging activity by bats. 35th Annual North American Symposium on Bat Research, October 19-22, Sacramento, California, USA.
- Beck, J., R. L. Wilkinson, and C.V. Baxter. 2005. Burned riparian areas are visited more by bats than unburned riparian areas. Intermountain Conference on the Environment, September 13-14, Pocatello, Idaho, USA.
- Takimoto, G., T. Iwata, M. Murakami, and C.V. Baxter. 2005. A theoretical framework for the indirect effects of allochthonous inputs. 90th Annual Meeting of the Ecological Society of America, August 7-12, Montreal, Quebec, Canada. Invited presentation in special session on “Complex Consequences of of Spatial Subsidies to Food Webs.”
- Fausch, K.D., C.V. Baxter, S. Nakano, M. Murakami, S. Kitano, K. Ishigaki, and P. Chapman. 2005. Exploring the mystery of charrs across multiple scales: 15 years of research in

- Hokkaido, Japan. Annual Meeting of the American Fisheries Society, September 11-15, Anchorage, Alaska, USA. Invited presentation in special session on "Behavior and ecology of stream salmonids: individuals, populations, and communities."
- Monroe, J.B., C.V. Baxter, and J.D. Olden. 2005. Freshwaters in the public eye: Illustrating the role of images in aquatic conservation. The Center for Biodiversity and Conservation's Tenth Annual Spring Symposium, American Museum of Natural History. April 7 and 8, 2005, New York City, New York.
- Fausch, K.D., C.V. Baxter and M. Murakami. 2004. Biotic invasions can cause indirect effects in food webs that propagate across ecosystem boundaries and generate ecological surprises. Invited presentation at Ecology Center, Utah State University, Logan, UT, USA.
- Fausch, K.D., C.E. Torgersen, C.V. Baxter, and H.W. Li. 2004. Landscapes to riverscapes: bridging the gap between research and conservation of stream fishes. Invited presentation at Ecology Center, Utah State University, Logan, UT, USA.
- Li, H.W., Fausch, K.D., C.E. Torgersen, C.V. Baxter. 2003. The riverscape: a strategic perspective for restoring wild riverine fish populations. Annual Meeting of the American Fisheries Society, August 10-14, Québec City, Canada. Invited to special session entitled, "Understanding wild riverine fish populations at watershed to regional scales: new concepts, tools, and applications."
- Torgersen, C.E., C.V. Baxter and H.W. Li. 2003. Pattern detection, scope, and sampling in streams. Annual Meeting of the American Society of Limnology and Oceanography, February 8-14, Salt Lake City, UT, USA.
- Fausch, K.D., C.E. Torgersen, C.V. Baxter, and H.W. Li. 2002. Landscapes to riverscapes: bridging the gap between research and conservation of stream fishes. 17th Annual Symposium International Association for Landscape Ecology, United States Regional Association, April 23-27, Lincoln, NE. Invited to special session on applying landscape ecology principles to the conservation of riverine ecosystems.
- Torgersen, C.E., C.V. Baxter, H.W. Li, and B.A. McIntosh. 2002. Spatial scaling and longitudinal patterns of fish assemblage and stream habitat relationships. Invited to special session on habitat issues and analysis. Annual Meeting of the Oregon Chapter of the American Fisheries Society, February 27-March 1, Sun River, OR, USA.
- Fausch, K.D., C.E. Torgersen, C.V. Baxter, and H.W. Li. 2001. Landscapes to riverscapes: bridging the gap between research and conservation of stream fishes. Invited presentation at Dept. Fisheries and Wildlife, University of California, Davis, CA.
- Fausch, K.D., C.E. Torgersen, C.V. Baxter, and H.W. Li. 2002. Landscapes to riverscapes: bridging the gap between research and conservation of stream fishes. Invited presentation at Dept. of Biology, University of Montreal, Montreal, Canada.
- Fausch, K.D., C.E. Torgersen, C.V. Baxter, and H.W. Li. 2001. Landscapes to riverscapes: bridging the gap between research and conservation of stream fishes. 49th Annual Meeting of the North American Benthological Society, June 3-8, La Crosse, WI, USA. Invited presentation in special session on landscape perspectives in stream fish ecology.
- Fausch, K.D., C.E. Torgersen, C.V. Baxter, and H.W. Li. 2001. Landscapes to riverscapes: bridging the gap between research and conservation of stream fishes. Invited presentation at School of Forest Resources and Institute of Ecology, University of Georgia, Athens, GA.
- Fausch, K.D., C.E. Torgersen, C.V. Baxter, and H.W. Li. 2001. Landscapes to riverscapes: bridging the gap between research and conservation of stream fishes. Invited presentation in Dept. of Biology, Ehime University, Matsuyama City, Japan.
- Fausch, K.D., C.E. Torgersen, C.V. Baxter, and H.W. Li. 2001. Landscapes to riverscapes: bridging the gap between research and conservation of stream fishes. Invited

- presentation at Tomakomai Experimental Forest, Hokkaido University, Tomakomai, Japan.
- Ebersole, J.L., C.V. Baxter, C.A. Frissell, H.W. Li, and W.J. Liss. 2001. Detecting temporal dynamics and ecological effects of smallmouth bass invasion in northeast Oregon streams. American Fisheries Society Symposium, "Practical Approaches for Conserving Native Inland Fishes of the West." June 6-8, The University of Montana, Missoula, MT, USA.
- Torgersen, C.E., C.V. Baxter, H. W. Li, and B.A. McIntosh. 2000. Longitudinal patterns in fish assemblage and stream habitat relationships: Part I. Spatially continuous analysis and the influence of scale. 48th Annual Meeting of the North American Benthological Society, May 28-June 1, Keystone, CO, USA.
- Li, H.W., Torgersen, C.E., C.V. Baxter, and B.A. McIntosh. 2000. Determination of aquatic assemblages when the river continuum is disrupted. Annual Meeting of the Society for Conservation Biology, Missoula, MT.
- Torgersen, C.E., C.V. Baxter, H. W. Li, and B.A. McIntosh. 1999. Spatial scaling and longitudinal succession in stream fishes: effects of temperature and stream morphometry. Annual Meeting of the Ecological Society of America, Spokane, WA, USA.
- Li, H.W., R. L. Beschta, J.B. Kauffman, J. Li, B. A. McIntosh, P. McDowell, C. Baxter, and 7 co-authors. 1999. Influences of thermal heterogeneity on stream community dynamics, 47th Annual Meeting of the North American Benthological Society, Duluth, MN, USA.
- Torgersen, C.E., C.V. Baxter, K. Wright, H. W. Li, and B.A. McIntosh. 1999. Using geography to put the continua back in the river continuum: longitudinal analysis of stream habitat and fish distribution. Annual Meeting of the Oregon Chapter of the American Fisheries Society, Sun River, OR.
- Torgersen, C.E., C.V. Baxter, H. W. Li, and B.A. McIntosh. 1998. Using remote sensing and geography to put the continua back in the river continuum: longitudinal analysis of stream habitat and fish distribution. Invited presentation at Workshop on the Function and Structure of Riparian Zones, Universidade de Tras-os-Montes e Alto Duoro, Vila Real, Portugal.
- Wright, K., C. Torgersen, C. V. Baxter, H. Li, J. Li, and 7 co-authors. 1998. Responses of stream biota to variations in longitudinal temperature patterns in high desert streams of the Blue Mountains. Annual Meeting of the Oregon Chapter of the American Fisheries Society, Sun River, OR. *Awarded Best Student Paper.*
- Wright, K.K., J. Li, Baxter, C.V. and R. Scarlett. 1998. A test of hyporheic exchange in the Middle Fork of the John Day River, Oregon. 46th Annual Meeting of the North American Benthological Society, Charlottetown, PEI, Canada.
- Li, H.W., B. A. McIntosh, J.B. Kauffman, J. Li, R. L. Beschta, P. McDowell, C. Baxter, and 6 co-authors. 1998. Geomorphic, hydrologic, and ecological connectivity in Columbia River watersheds: implications for endangered salmonids. Annual Program Review of E.P.A./N.S.F. Joint Research of Water and Watersheds, Corvallis, OR.
- Frissell, C.A., J. Dostkocil, J. Gangemi, C.V. Baxter and J.A. Stanford. 1996. Identifying priority areas for protection and restoration of aquatic biodiversity: a case study in the Swan River basin, Montana. Annual Program Review of the N.S.F. EPSCoR program, Polson, MT.

GRADUATE STUDENTS AND POSTDOCS

Idaho State University

Dr. Danelle Larson	postdoc	2014-2016
Dr. John Davis	postdoc	2009-2012

Dr. Amy Marcarelli	postdoc	2006-2009
Dr. Michael Yard	postdoc	2007-2008
McKenna Adams	M.S. student (chair)	2016-present
Jade Ortiz	Ph.D. student (chair)	2015-present
James Paris	Ph.D. student (chair)	2015-present
Lytle Denny	M.S. student (chair)	2013-present
Matthew Schenk	M.S. student (chair)	2013-present
Katherine Behn	M.S. student (chair)	2012-present
Kaleb Heinrich	D.A. student (chair)	2011-2015
Scott Collins	Ph.D. student (chair)	2008-2014
Ryan Blackadar	M.S. student (chair)	2010-2013
Jennifer Cornell	M.S. student (chair)	2010-2013
Hannah Harris	M.S. student (chair)	2010-2013
Ryan Bellmore	Ph.D. student (chair)	2006-2011
Kevin Donner	M.S. student (chair)	2008-2011
Madeleine Mineau	Ph.D. student (chair)	2006-2011
Joseph Benjamin	Ph.D. student (chair)	2006-2010
Heather Bechtold	Ph.D. student (co-chair)	2006-2010
Melissa Lamb	M.N.S. student (co-chair)	2007-2008
Rachel Malison	M.S. student (chair)	2005-2008
Jason Jones	M.S. student (co-chair)	2004-2008
James Guilinger	M.S. student (committee)	2016-present
Nakul Deshpande	M.S. student (committee)	2016-present
Ruth MacNeille	D.A. student (committee)	2015-present
Harmandeep Sharma	Ph.D. student (committee)	2015-present
Kelsey Robson	D.A. student (committee)	2014-present
Steven Matthews	Ph.D. student (committee)	2014-present
Caitlin Rushlow	Ph.D. student (committee)	2013-present
Chase Cusack	M.S. student (committee)	2015-2016
Clarissa Enslin	M.S. student (committee)	2015-2016
Kaylee McCullough	M.N.S. student (committee)	2014-2015
Tessica Gardner	M.S. student (committee)	2013-2014
Troy Barry	M.S. student (committee)	2011-2014
Charles Krueger	M.S. student (committee)	2013-2014
J. Patrick Calhoun	M.S. student (committee)	2011-2012
Grace Dotson	M.S. student (committee)	2011-2012
Christopher Tennant	M.S. student (committee)	2009-2011
Linda Tedrow	M.S. student (committee)	2007-2010
Neil Olsen	M.S. student (committee)	2007-2010
Esther Kingsbury	M.S. student (committee)	2006-2008
Ryan Hillyard	M.S. student (committee)	2005-2010
James Lamansky	M.S. student (committee)	2004-2007
Meredith Seiler	D.A. student (committee)	2003-2007

University of Zurich, Switzerland

Miriam Schaerer	M.S. student (committee)	2014-2015
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Montana State University

Eric Scholl	Ph.D. student (committee)	2014-present
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Patrick Della Croce	Ph.D. student (committee)	2008-2014
<i>University of Idaho</i>		
Francine Mejia	Ph.D. student (committee)	2012-2016
<i>University of Washington</i>		
Emily Davis	M.S. student (committee)	2012-2015
<i>Loyola University-Chicago</i>		
Kathryn Vallis	M.S. student (committee)	2008-2011
Sarah Zahn	M.S. student (committee)	2007-2010

GRANTS RECEIVED

- Food web analysis to evaluate effects of restoration and inform adaptive management of the Methow River and its floodplain. 2016-present. US Bureau of Reclamation, US Geological Survey. Principal Investigator: Colden Baxter. \$80,000.
- Ecological investigations to inform monitoring and adaptive management of the Snake River floodplain. 2015-present. Shoshone-Bannock Tribes. Principal Investigator: Colden Baxter. \$150,000.
- Towards ONEIdaho: An investigation of social-ecological system boundaries and domains across MILES sites. 2015. National Science Foundation, Idaho EPSCOR program. Lead Principal Investigator: Kathleen Lohse, Co-Pi's: Danelle Larson, Colden Baxter, Donna Lybecker, Michail Fragkias, and Haifeng Liao. \$310,672.
- Investigation of the trophic basis of production by fishes in the Little Colorado River: Toward a food web perspective that links mainstem and tributary habitats in Grand Canyon. 2014-present. USGS-Grand Canyon Monitoring & Research Center. Principal Investigator: Colden Baxter. \$30,000.
- Innovation Working Group: Synthesis and conceptual frameworks for investigation of mid-sized cities as social-ecological systems. 2014. National Science Foundation, Idaho EPSCOR program. Principal Investigators: Danelle Larson, Colden Baxter, Donna Lybecker and Kathleen Lohse. \$7000.
- Investigating effects of wildfire on streambed biofilm communities: do responses by nitrogen fixers fuel the "fire pulse?" 2014-2015. DeVlieg Foundation. Principal Investigators: Adam Eckersell (undergraduate researcher) and Colden Baxter. \$5000.
- Reynolds Creek Critical Zone Observatory. 2013-present (investigator). National Science Foundation, Critical Zone Observatory Program. Lead Principal Investigator: Kathleen Lohse, \$2,500,000.
- Managing Idaho's Landscapes for Ecosystem Services. 2013-present (investigator). National Science Foundation, EPSCOR RII Track 1. Lead Principal Investigators: Peter Goodwin, Shawn Benner, Jan Boll and Dave Rodgers. \$20,000,000 to state; ~\$5M to ISU.
- Big Creek Long Term Monitoring Project: Bringing 25 Years of Monitoring Effects of Wildfire on Streams into the Information Age. 2013-present. Joint Fire Science Program. Principal Investigator: Colden Baxter. \$10,000.
- Stream ecosystem responses to wildfire in the drainages of the South Fork and Middle Salmon River basins. 2009-2014. Participating agreement with USFS, Payette National Forest. Principal Investigator: Colden Baxter. \$45,000.

- Piecing together a puzzle: Organic matter contributions to fish production and biodiversity in streams of the central Idaho wilderness. 2012-2013. DeVlieg Foundation. Principal Investigators: Matthew Lyon (undergraduate researcher) and Colden Baxter. \$5000.
- How is primary productivity affected by disturbance in wilderness streams of central Idaho? 2011-2012. DeVlieg Foundation. Principal Investigators: Tessica Gardner (undergraduate researcher) and Colden Baxter. \$5000.
- The price of ice: ecological consequences of changing ice regimes for linked aquatic-terrestrial food webs. 2010-2013. DeVlieg Foundation. Principal Investigators: Colden Baxter and John Davis (post-doctoral researcher). \$40,000.
- Investigating relationships between flow, bed mobility, and stream organisms: steps toward predicting climate change effects in tributaries of Big Creek, a wilderness watershed of central Idaho. 2010-2011. DeVlieg Foundation. Principal Investigators: Matthew Schenk (undergraduate researcher) and Colden Baxter. \$5000.
- University of Idaho McCall Field Campus Infrastructure Planning. 2011-2013. National Science Foundation, FSML program. PI: Steven Hollenhorst. Co-PI's: Karla Bradley, Colden Baxter, Lee Vierling, Elwyn Yager. \$25,000.
- Water Resources in a Changing Climate. Idaho NSF EPSCoR Research Infrastructure Improvement (RII) Grant. 2008-2013 (ISU lead scientist and statewide lead of ecological science component). National Science Foundation-EPSCoR. Principal Investigators: Peter Goodwin (administration), Von Walden (science). \$15,000,000 to state; \$2,856,886 to ISU.
- Contributions of marine-derived nutrients via salmon carcasses to aquatic and terrestrial productivity in Idaho watersheds. 2008-2012. Idaho Department of Fish and Game. Principal Investigator: Colden Baxter. \$323,494.
- Methow River floodplain restoration project: Evaluation of factors limiting fish production and potential responses to restoration. 2009-2012. Funded by U.S. Bureau of Reclamation through USGS, Columbia River Research Laboratory. Principal Investigator: Colden Baxter. \$172,000.
- Linking whole-system carbon cycling to quantitative food webs in the Colorado River. 2006-2012. Principal Investigators: Drs. Bob Hall (University of Wyoming), Emma Rosi-Marshall (Loyola University-Chicago), Colden Baxter, and Ted Kennedy (USGS). Funded by USGS, Grand Canyon Monitoring and Research Center. \$253,000 to ISU.
- Dissertation Research: Aquatic effects of a terrestrial invasion: a riparian tree subsidizes carbon and nitrogen with differential consequences for stream ecosystems. 2009-2011. National Science Foundation Doctoral Dissertation Improvement Grant to Ph.D. student Madeleine Mineau. \$15,000.
- Dissertation Research: Nonlinear effects of nutrient loading on stream nutrient processing: Are they driven by shifts in biofilm community dynamics? 2009-2011. National Science Foundation Doctoral Dissertation Improvement Grant to Ph.D. student Heather Bechtold. \$15,000.
- Restoring river-floodplain connectivity: Yankee Fork Salmon River dredge tailings restoration project, 2006-2011. Bonneville Power Administration and the Shoshone-Bannock Tribes. Principal Investigators: Andy Ray and Evelyn Galloway (Shoshone-Bannock Tribes) and Colden Baxter. \$103,000 to ISU.
- Ecological responses of Yellowstone Stream ecosystems 20 years after disturbance by wildfire. 2008-2009. National Park Service Cooperative Research Program. Principal investigators: Colden Baxter and G. Wayne Minshall. \$5000.
- International Collaboration Supplementary Grant. 2008-2009. Collaborative research— Terrestrial effects of an aquatic invader: does regional context change the impact of fish invasion on energy flow to riparian predators? National Science Foundation (Ecology Program). Principal Investigator: Colden Baxter. \$8300.

- Research Experiences for Undergraduates Supplementary Grant. 2007. Collaborative research—Terrestrial effects of an aquatic invader: does regional context change the impact of fish invasion on energy flow to riparian predators? National Science Foundation (Ecology Program). Principal Investigator: Colden Baxter. \$7500.
- Coupling management of water quality and quantity: How do hydrology and biological activity interact to control nutrient concentration and export in an impaired Intermountain watershed? 2007-2009. Principal Investigators: Drs. Amy Marcarelli, Rob Van Kirk and Colden Baxter. Funded by the Inland Northwest Research Alliance. \$62,500.
- Consequences of recreational land use for small urban fringe streams: Are we loving them to death? 2007-2008. Idaho State University Undergraduate Research Committee. Principal Investigators: Melinda J. Walker (undergraduate researcher) and Colden Baxter. \$2000.
- Like day and night: diel cycles of nutrients may have consequences for water quality management in the Portneuf River and beyond, 2006-2007. Idaho State University, Faculty Research Committee. Principal Investigators: Drs. Amy Marcarelli and Colden Baxter. \$5000.
- Ecological significance of mountain whitefish (*Prosopium williamsoni*) in an Idaho wilderness stream, 2006-2007. DeVlieg Foundation. Principal Investigators: Michael Lance (undergraduate researcher) and Colden Baxter. \$5000.
- Multi-layered, Interdisciplinary mapping of a wilderness watershed: "The Big Onion" project, 2006-2007. DeVlieg Foundation. Principal Investigator: Colden Baxter. \$2000.
- Collaborative research—Terrestrial effects of an aquatic invader: does regional context change the impact of fish invasion on energy flow to riparian predators? 2006-2010. National Science Foundation (Ecology Program). Principal Investigator: Colden Baxter. \$195,000. Collaborative proposal to Kurt Fausch (Colorado State University) also funded by NSF (\$305,000).
- The Idaho NSF EPSCoR Research Infrastructure Improvement (RII) Grant Grand Challenge Initiative. 2005-2008. Sub-project: Carbon Export, Nutrient Limitation, and Primary Productivity. National Science Foundation-EPSCoR. Principal Investigators: Richard Inouye, Colden Baxter, Daniel Ames. \$966,000.
- Aquatic-terrestrial connectivity in a wilderness watershed: Do emerging stream insects fuel riparian food webs following wildfire? 2005-2008. DeVlieg Foundation-Taylor Ranch Graduate Research Assistantship Program at Idaho State University. Principal Investigator: Colden Baxter \$38,000.
- Factors influencing Rocky Mountain tailed frog (*Ascaphus montanus*) distribution and abundance. 2005-2008. Montana Fish, Wildlife, and Parks. Principal Investigators: Chuck Peterson and Colden Baxter. \$44,000.
- Synthesis of the biology of Japanese white-spotted charr and North American bull trout with implications for conservation and research needs. 2005. U.S. Department of Agriculture-Forest Service. Principal Investigator: Colden Baxter. \$6225.
- Do riparian habitat disturbances that alter cross-habitat resource subsidies magnify effects of nonnative fish invasions on stream food webs? 2003. National Science Foundation Supplemental REU (Research Experience for Undergraduates) Grant. Principal Investigators: Kurt Fausch and Colden Baxter. \$7500.
- Do riparian habitat disturbances that alter cross-habitat resource subsidies magnify effects of nonnative fish invasions on stream food webs? Japan Society for the Promotion of Science. 2002. Postdoctoral Fellowship. Principal Investigators: Colden Baxter (advisor Kurt Fausch). \$20,000.
- Longitudinal patterns in fish assemblage and stream habitat relationships: temporal dynamics and the role of migration in a Pacific Northwest river. Northwest Scientific Association. 2000-2001. Principal Investigators: Colden Baxter and Hiram Li. \$1000.

- Longitudinal patterns in fish assemblage and stream habitat relationships: temporal dynamics and the role of migration in a Pacific Northwest river. Oregon Council, Federation of Fly Fishers. 2000-2001. Principal Investigators: Colden Baxter and Hiram Li. \$1000.
- Dynamics of fish community structure along the length of a wilderness river in northeastern Oregon: a landscape perspective on habitat relationships. Oregon Council, Federation of FlyFishers. 1999-2000. Principal Investigators: Colden Baxter, Hiram Li and Bruce McIntosh. \$2000.
- Dynamics of fish community structure along the length of a wilderness river in northeastern Oregon: a landscape perspective on habitat relationships. Mazamas (wilderness conservation organization). 1999-2000. Principal Investigators: Colden Baxter, Hiram Li and Bruce McIntosh. \$2000.

PROFESSIONAL SERVICE

- President-elect* (2016-present). Society for Freshwater Science. SFS is an international scientific organization whose purpose is to promote further understanding of freshwater ecosystems (rivers, streams, lakes, reservoirs, and estuaries) and ecosystems at the interface between aquatic and terrestrial habitats (wetlands, bogs, fens, riparian forests and grasslands).
- Invited Reviewer* (2000-present). Aquatic Sciences, Bioscience, Canadian Journal of Fisheries and Aquatic Sciences, Ecological Applications, Ecology, Ecology of Freshwater Fish, Ecosphere, Ecosystems, Environmental Management, Freshwater Biology, Freshwater Science, Hydrological Processes, International Review of Hydrobiology, Journal of Animal Ecology, Journal of Mammalogy, Journal of the North American Benthological Society, Limnology and Oceanography, Transactions of the American Fisheries Society, North American Journal of Fisheries Management, Northwest Science, PLOS One, PNAS
- Grant Proposal Reviewer* (2006-present). National Science Foundation - Population & Community Ecology, Ecosystems, Doctoral Dissertation Improvement Grant (panel member) programs; National Geographic
- Invited Advisor* (2012-2016). Science Advisory Panel for development of Long-Term Ecological Management Plan to manage Glen Canyon Dam and the Colorado River in Grand Canyon
- Invited Presenter & Advisor* (2015). Fire Science Workshop - Understanding the Effects of Wildfire on Aquatic Ecosystems, Columbia Basin Federal Caucus, May 13, 2015, Portland, OR, USA.
- Invited Presenter & Advisor* (2015). 3rd Annual Workshop on Science-Based Trout Stream Restoration, June 9-10, 2015, Steven's Point, WI, USA.
- Co-organizer* (2015-2016). Special Session, Ecological Society of America Annual Meeting, Fort Lauderdale, Florida. Session entitled, "The status and evaluation of ecological theory"
- Co-organizer* (2014-2015). Special Session, Ecological Society of America Annual Meeting, Baltimore, Maryland. Session entitled, "Danse macabre: the role of migrations and mortality in shaping our planet"
- Co-organizer* (2012-2013). Special Symposium, Western Division American Fisheries Society Annual Meeting, Boise, Idaho. Session entitled, "Silver bullet or so much fertilizer?"

Synthesis and dialogue regarding the science and management of nutrient amendments as mitigation tools"

Co-organizer (2010-2011). Special Symposium, American Fisheries Society Annual Meeting, Seattle, WA. Session entitled, "Riverscape Ecology: Theory and Application for Understanding and Conserving Lotic Fishes"

Co-organizer (2010). "Salmon Basin Summit," a workshop that brought together 50 representatives of 4 universities, 7 federal entities, 2 state agencies, 2 NGO's, and 2 tribes to coordinate research and monitoring of water resources in the Salmon Basin, Idaho

Program Committee Member (2008, 2010). Annual meeting of the North American Benthological Society (international society for study of streams and rivers) held in Salt Lake City, UT and 2011 annual meeting in Providence, RI.

Co-organizer (2008). U.S.-Japan workshop on the ecological impacts of nonnative salmonid fishes worldwide. Workshop funded by NSF, occurred in Hokkaido, Japan.

Co-organizer (2005). Stream Ecology Symposium, Idaho State University, held in honor of Dr. G. Wayne Minshall, May 2005. Symposium brought together leaders of the field.

Co-organizer (2005). Special Session of Joint Annual Meeting of the North American Benthological Society and the American Geophysical Union, New Orleans, Louisiana. Session entitled, "Interactions Between Physical and Biological Processes in Riverine Landscapes: New Insights From Integrative Research"

Co-organizer (2005). Pan-Pacific Rim workshop on the biology and conservation of charr. Workshop involved fish biologists from the U.S., Japan, Russia, and Canada (resulted in paper published in journal *Fisheries*)

Invited Reviewer (2010). U.S. Forest Service and Pacific Rivers Council workshop on watershed science-based evaluation of national forest planning rules revisions, June 29th, Seattle, WA.

Invited Reviewer (2006, 2008, 2010). Shoshone-Bannock Tribes; Monitoring and Evaluation Plan for Hatchery Supplementation Activities; Salmon River Sub-Basin

Invited Reviewer (2006). Confederated Tribes of the Umatilla Indian Reservation; Grande Ronde Subbasin Restoration Project

Invited Reviewer (2003, 2004, 2005). U.S. Fish and Wildlife Service proposed Critical Habitat Rule and Draft Recovery Plan for Bull Trout

Invited Expert Panelist (2005). U.S. Fish and Wildlife Service 5-year Review of the Status of Bull Trout under the Endangered Species Act

Advisory Committee Member (1998-2008). Bull Trout Advisory Committee, Western Division of the American Fisheries Society

UNIVERSITY SERVICE

Director (2012-present). Center for Ecological Research & Education, Idaho State University

Committee Chair (Fall 2012-present). Ecology and Evolutionary Biology Research Cluster, Department of Biological Sciences, ISU

Committee member (2014-present). Graduate Program Committee, Department of Biology, ISU

Committee member (2008-2014). Research Advisory Committee, Department of Biology, ISU

Coordinator (2009-present). Idaho State University Native Students in STEM internship program, funded by NSF EPSCoR award, for high school and undergraduate students. Effort also involved establishing ISU/Shoshone-Bannock Tribes Memorandum of Understanding.

Faculty Advisor (2006-present). Portneuf student chapter of the American Fisheries Society

Facilitator (2006-present). Idaho State University Department of Biological Sciences Seminar Series, including annual "G.W. Minshall Lecture Series in Ecology"

Faculty Senator (Fall 2009-2011). Senator representing Dept. of Biological Sciences, ISU

Committee Chair (2008-2009). Idaho State University Library Committee, Biological Sciences Representative in 2007

Committee member (2010-2011). University Research Council, ISU

Committee member (2006-2011). Affiliate Faculty Committee, Seminar Series Organization, Department of Biology, ISU

COMMUNITY SERVICE

Partner (2015-present). Portneuf Visioning Project. University partner in effort led by City of Pocatello and the US. Army Corps of Engineers to solicit input from Pocatello citizens regarding the future of the Portneuf River and prospects for restoration.

Member (2006-present). Portneuf Watershed Partnership. Community organization that brings together stakeholders who coordinate and disseminate watershed education and aim to improve watershed stewardship

Board Member (2007-present). Valley Pride. Community organization "dedicated to increasing the growth, opportunity, harmony, beauty, and overall environment of our local area"

Co-organizer (2007-2010) and *Participant* (2011-present). Annual Portneuf River Clean-Up

Guest presenter (2006-present). Regularly visit schools (K-12) of the greater Pocatello area to present on topics relating to aquatic organisms and watershed stewardship

Guest presenter (2007-present). Annually run a booth focused on watershed education at the "Portneuf Riverfest" and the "Portneuf Valley Community Environmental Fair"

Documentary Film Participant & Science Advisor (2005-2011). Cooperated with J. Monroe (Freshwaters Illustrated) and K. Fausch to gain funding from NSF and other sources to create documentary film entitled "Riverwebs" for PBS that explores interconnections between stream and forest ecosystems, and features research we conducted in northern Japan. Film released in 2007 and has been shown nationwide (see www.riverwebs.org). Additional funding from NSF is supported a classroom version.

Committee Member (2010-2013). City Creek Management Area Advisory Board. Committee consisting of government agency, academic scientists and citizens whose task is to guide adaptive management decisions and science associated with local, urban fringe watershed important to City of Pocatello residents

Guest presenter (2012). Public presentation, "Wildfire in Idaho: An Ecological Perspective," to the Sigma Xi "Science Café" Seminar Series, Pocatello, ID

Guest presenter (2011). Public presentation, "Water Quality and Quantity in the Portneuf Valley," to the Sigma Xi "Science Café" Seminar Series, Pocatello, ID

Guest presenter (2010-present). Annually present to student participants in the ISU TRiO pre college program (Educational Talent Search and Upward Bound) that works with high school low-income and first generation college students with interests in STEM careers

Volunteer Instructor (2007, 2008). Annual workshop on incorporating watershed studies into curricula, National Science Foundation "GK-12" program for ISU graduate student interns and local area science teachers

Volunteer Instructor (2009, 2010). Idaho Fish and Game's "Master Naturalist" program

Guest presenter (2007). ISU Museum of Natural History, "Riverwalks" program

Volunteer Instructor (2007). "Portneuf Perspectives," ISU Continuing Education course

HONORS AND AWARDS

- 2015 Distinguished Researcher Award, Idaho State University
- 2015 Outstanding Graduate Teacher & Mentor Award, Dept. Biology, ISU
- 2014 Leslie L. Schaffer Lecturer, University of British Columbia College of Forestry
- 2013 Invited Sabbatical, Cary Institute of Ecosystem Studies, Millbrook, New York
- 2011 Outstanding Service Award, Idaho State University
- 2007 Most Influential Professor of the Outstanding Graduate, ISU College of Arts & Sciences
- 2007 Major Partner Award, Portneuf Greenway Foundation, Pocatello, Idaho
- 2005 Hynes Award for Outstanding New Investigator, N. Am. Benthological Society
- 2002 Postdoctoral Fellow, Japan Society for the Promotion of Science
- 2001 Thomas G. Scott Scholarship, Dept. Fisheries & Wildlife, Oregon State University
- 2001 Henry Mastin Scholarship, Dept. Fisheries & Wildlife, Oregon State University
- 2001 Oregon Chapter American Fisheries Society Graduate Student Scholarship
- 2000 Henry Mastin Scholarship, Dept. Fisheries & Wildlife, Oregon State University
- 1999 Yerex Fellowship for Academic Excellence in Science, Oregon State University
- 1999 Western Division American Fisheries Society Graduate Student Scholarship
- 1993 University of Oregon Geological Field Study Scholarship
- 1993 Voted Outstanding Geol. Sciences Grad and Biol. Sciences Graduate Speaker
- 1989-1993, Grace Morris full tuition academic scholarship to University of Oregon
- 1990-1992, PAC 10 Conference All-Academic Team for Fall Sports

PROFESSIONAL AFFILIATIONS

Society for Freshwater Science
 Ecological Society of America
 American Fisheries Society