

CURRICULUM VITAE for COLDEN V. BAXTER

October 1, 2009

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, 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

Assistant Professor

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

Postdoctoral Research Associate

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

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). Assistant Professor, Department of Biological Sciences. Courses: Introduction to Ecology (Biol 192), Senior Seminar-Analysis of Complex Systems (Biol 491), Freshwater Ecology (Biol 462/562), Advanced River Ecology (Biol 604), Ecosystem Ecology (Biol 651), History and Philosophy of Biology (Biol 599), "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

Peer-reviewed publications:

Lepori, F., J.R. Benjamin, K.D. Fausch, and C.V. Baxter. In review. The replacement of native by invasive trout: does it matter to the community of invertebrate prey? Submitted to *Journal of Applied Ecology*.

Wipfli, M.S. and C.V. Baxter. In review. Prey resources for riverine fishes: modeling spatial and seasonal change across drainage networks. Submitted to *Fisheries*.

Malison, R.L. and C.V. Baxter. In revision. Effects of wildfire of varying severity on benthic stream insect assemblages and emergence. Submitted to *Journal of North American Benthological Society*.

Malison, R.L., J. Benjamin, and C.V. Baxter. In revision. Measuring adult insect emergence from streams: the influence of trap placement and a comparison with benthic sampling. Submitted to *Journal of North American Benthological Society*.

Cross, W.F., E. Rosi-Marshall, K. Behn, T.A. Kennedy, R.O. Hall, A.E. Fuller, and C.V. Baxter. In revision. Invasion and production of New Zealand mud snails in the Colorado River, Glen Canyon. Submitted to *Biological Invasions*.

Benjamin, J.R. and C.V. Baxter. Accepted pending minor revision. 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*.

Malison, R.L. and C.V. Baxter. In press. The "fire pulse:" wildfire stimulates flux of aquatic prey to terrestrial habitats driving increases in riparian consumers. *Canadian Journal of Fisheries and Aquatic Sciences*.

Yard, M.D., L.G. Coggins, C.V. Baxter. In press. Predator prey interactions: Nonnative trout predation on native fishes in the Colorado River, Grand Canyon. *Proceedings of the Colorado River Basin Science and Resource Management Symposium*.

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. In press. 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. In press. Freshwaters in the public eye: understanding the role of images and media in aquatic conservation. *Fisheries*.

Fausch, K.D., C.V. Baxter, and M. Murakami. In press. Multiple stressors in north temperate streams: lessons from linked forest-stream ecosystems in northern Japan. *Freshwater Biology*.

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.

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.

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., 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.

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.

Selected Manuscripts in preparation:

Marcarelli, A.M. C.V. Baxter, M.M. Mineau, and R.O. Hall. Quantity and quality: unifying food web and ecosystem perspectives on the role of resource subsidies in freshwaters. Target journal: *Ecology Letters*.

Lepori, F., K.D. Fausch, C.V. Baxter, J.R. Benjamin, M. Inouye, and Y. Miyake. Why does the impact of top predators vary among studies? The case of salmonid fish and invertebrate prey in streams. Target journal: *BioScience*.

Marcarelli, A.M., R.W. Van Kirk and C.V. Baxter. Predicting effects of hydrologic alteration and climate change on ecosystem metabolism in a western U.S. river. Target journal: *Ecological Applications*.

Yard, M.D., L.G. Coggins, C.V. Baxter. Foraging ecology of nonnative trout in the Colorado River, Grand Canyon: Predation on native fishes and the effects of turbidity. Target journal: *Ecological Applications*.

Dissertations and Theses:

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:

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 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:

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.

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 lewisii*) 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 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. Duskocil, 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. John Davis	postdoc	2009-present
Dr. Amy Marcarelli	postdoc	2006-2009
Dr. Michael Yard	postdoc	2007-2008
Scott Collins	M.S. student (chair)	2008-present
Kevin Donner	M.S. student (chair)	2008-present
Joseph Benjamin	Ph.D. student (chair)	2006-present
Madeleine Mineau	Ph.D. student (chair)	2006-present

Ryan Bellmore	Ph.D. student (chair)	2006-present
Rachel Malison	M.S. student (chair)	2005-2008
Jason Jones	M.S. student (co-chair)	2004-2008
Melissa Lamb	M.N.S. student (co-chair)	2007-2008
Heather Bechtold	Ph.D. student (committee)	2006-present
Hilary Billman	M.S. student (committee)	2007-present
Ryan Hillyard	M.S. student (committee)	2005-present
Bryan Stowe	M.S. student (committee)	2004-present
Chris Wilhelm	M.S. student (committee)	2004-present
James Lamansky	M.S. student (committee)	2004-2007
Meredith Seiler	D.A. student (committee)	2003-2007

Loyola University-Chicago

Kathryn Vallis	M.S. student (committee)	2008-present
Sarah Zahn	M.S. student (committee)	2007-2009

Montana State University

Patrick Della Croce	Ph.D. student (committee)	2008-present
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GRANTS RECEIVED

Methow River floodplain restoration project: Evaluation of factors limiting fish production and potential responses to restoration. 2009. Funded by U.S. Bureau of Reclamation through USGS, Columbia River Research Laboratory. Principal Investigator: Colden Baxter. \$172,000.

Stream ecosystem responses to wildfire in the drainages of the South Fork and Middle Salmon River basins. 2009. Participating agreement with USFS, Payette National Forest. Principal Investigator: Colden Baxter. \$15,000.

Dissertation Research: Aquatic effects of a terrestrial invasion: a riparian tree subsidizes carbon and nitrogen with differential consequences for stream ecosystems. 2009. 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. National Science Foundation Doctoral Dissertation Improvement Grant to Ph.D. student Heather Bechtold. \$15,000.

Water Resources in a Changing Climate. Idaho NSF EPSCoR Research Infrastructure Improvement (RII) Grant. 2008. National Science Foundation-EPSCoR. Principal Investigators: Colden Baxter, Ben Crosby, Matt Germino, Daniel Ames. \$2,856,886 to ISU.

Contributions of marine-derived nutrients via salmon carcasses to aquatic and terrestrial productivity in the Snake River basin. 2008. Idaho Department of Fish and Game. Principal Investigator: Colden Baxter. \$203,494.

Ecological responses of Yellowstone Stream ecosystems 20 years after disturbance by wildfire. 2008. National Park Service Cooperative Research Program. Principal investigators: Colden Baxter and G. Wayne Minshall. \$5000.

International Collaboration Supplementary Grant. 2008. 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. 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. Idaho State University Undergraduate Research Committee. Principal Investigators: Melinda J. Walker (undergraduate researcher) and Colden Baxter.

Linking whole-system carbon cycling to quantitative food webs in the Colorado River. 2006. 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. \$168,000 to ISU.

Restoring River-Floodplain Connectivity: Yankee Fork Salmon River Dredge Tailings Restoration Project, 2006. 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.

Like day and night: diel cycles of nutrients may have consequences for water quality management in the Portneuf River and beyond, 2006. 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. 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. 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. 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).

Aquatic-terrestrial connectivity in a wilderness watershed: Do emerging stream insects fuel riparian food webs following wildfire? 2005. 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. Montana Fish, Wildlife, and Parks. Principal Investigators: Chuck Peterson and Colden Baxter. \$44,000.

The Idaho NSF EPSCoR Research Infrastructure Improvement (RII) Grant Grand Challenge Initiative. 2005. Sub-project: Carbon Export, Nutrient Limitation, and Primary Productivity. National Science Foundation-EPSCoR. Principal Investigators: Richard Inouye, Colden Baxter, Daniel Ames. \$966,000.

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 and 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

Invited Reviewer (2000-2009). Aquatic Sciences, Bioscience, Canadian Journal of Fisheries and Aquatic Sciences, Ecological Applications, Ecology, Ecology of Freshwater Fish, Ecosystems, Environmental Management, Freshwater Biology, Hydrological Processes, 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

- Invited Reviewer* (2006, 2007, 2008, 2009). National Science Foundation. Ecology, Ecosystems, Doctoral Dissertation Improvement Grant programs
- Invited Reviewer* (2006). Confederated Tribes of the Umatilla Indian Reservation; Grande Ronde Subbasin Restoration Project
- Invited Reviewer* (2006, 2008). Shoshone-Bannock Tribes; Monitoring and Evaluation Plan for Hatchery Supplementation Activities; Salmon River Sub-Basin
- Program Committee Member* (2008). Annual meeting of the North American Benthological Society (international society for study of streams and rivers) held in Salt Lake City, Utah
- Advisory Committee Member* (2004-2009). "Riverwebs:" an educational documentary film for PBS, by Freshwaters Illustrated, funded by NSF and conservation organizations
- 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
- 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
- Invited Reviewer* (2000). Wallowa County-Nez Perce Tribe Salmon Habitat Recovery Plan and Hells Canyon National Recreation Area Management Plan
- Advisory Committee Member* (1998-present). Bull Trout Advisory Committee, Western Division of the American Fisheries Society

UNIVERSITY AND COMMUNITY SERVICE

- Community Organizer and Volunteer* (2005-present). Portneuf Watershed Partnership and "Valley Pride" board member, recipient of 2007 Portneuf Greenway Foundation Major Partner Award, organizer of annual Portneuf River Clean-Up, volunteer instructor and guest presenter at local schools (K-12) and Idaho Fish and Game's "Master Naturalist" program
- Coordinator* (2009). Idaho State University Native Students in STEM internship program, funded by NSF EPSCoR award, for high school and undergraduate students

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

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

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

Committee Member (1998-2001). Promotion and Tenure Committee, Graduate Student Representative, Dept. Fisheries and Wildlife, Oregon State University

Committee Member (2001). Search Committee for Department Head Position, Graduate Student Representative, Dept. Fisheries and Wildlife, Oregon State University

HONORS AND AWARDS

- 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

Ecological Society of America
North American Benthological Society
American Fisheries Society
Sigma Xi