

EDUCATION (Graduation Date)

Fisheries Biology (Ph.D.), Watershed Sciences, Utah State University, Logan, Utah (January 2008)

Resource and Environmental Management (M.R.M.), Simon Fraser University, Burnaby, British Columbia (October 1994)

Wildlife Biology (B.Sc. Honors), University of Montana, Missoula, Montana, USA (June 1990)

Renewable Resource Management (Diploma), Lethbridge Community College, Alberta (May 1987)

CAREER GOALS

My career goals are to improve our management of natural resources, and help steer human societies towards more sustainable development of natural resources via conducting research on fisheries and wildlife ecology related issues, and training future resource scientists by teaching at the university level.

EMPLOYMENT SUMMARY

2008 - Present *Fisheries and Environmental Consultant, Eco Logical Research Inc*

Currently working as a research biologist for Eco Logical Research Inc. to develop and implement an Intensively Monitored Watershed project (IMW) for the state of Washington and the Snake River Salmon Recovery Board. Developing experimental, monitoring, and restoration designs for Asotin Creek to determine the effectiveness of stream habitat restoration actions on steelhead populations.

2008 - 2010 *Post-doctoral Research Biologist, Utah State University*

Conducting research, analysis, and publication duties related to monitoring fish and stream habitat at the Department of Watershed Sciences at Utah State University, Logan, Utah. Developed a National Forest Fish Inventory and Monitoring Manual for the U.S. Forest Service under the direction of Dr. Brett Roper. Other manuscripts developed include assessments of 1) the affects of using different protocols and observers to monitor stream habitat, and 2) monitoring protocols for spawning cutthroat trout.

2002 - 2007 *Graduate Student, Utah State University*

Completed a PhD in Fisheries Biology assessing the genetic status of westslope cutthroat trout in southeastern British Columbia and determining factors that influence the spread of hybridization between native westslope and introduced rainbow trout. The project required a working knowledge of laboratory and data analysis skills in conservation genetics, Arc GIS modeling, Access database management, and SAS statistical software.

2006 *Graduate Teaching Assistant, Utah State University*

Taught a two credit undergraduate/graduate Watershed and Geographic Information Analysis course. Duties included developing and presenting a lecture program, coordinating guest lecturers and geographic information systems laboratory exercises, and evaluating student performance. The course involved one two hour discussion/seminar period per week.

2005 *Graduate Teaching Assistant, Weber State University*

Taught a four credit, senior undergraduate Ichthyology course. Duties included developing and presenting a lecture, field study, and laboratory program. Course involved three 50 minute lectures and one four hour lab per week. Responsible for creating and grading of all assignments, lab work, and tests.

1994 - 2002 *Research Biologist, Mirkwood Ecological Consultants*

Worked as project and field manager on a wide variety of fish and wildlife projects and environmental impact assessments throughout British Columbia. Areas of expertise were fisheries and avian ecology. Developed detailed proposals for government and private companies, sample designs, managed field projects, analyzed data, and compiled reports.

1990 - 1994 *Graduate Student*

Developed and conducted a two year field study on the bird use of wildlife trees, specializing in forest ecology and wildlife management.

1985 - 1990 *Fisheries Technician, Department of Fisheries and Oceans*

Duties included assisting in the year round activities of a salmon hatchery, enforcing fishing regulations on local streams, and assessing new regulations on Pacific salmon stocks.

AWARDS, CERTIFICATIONS, and VOLUNTEER ACTIVITIES

- Graduate Fellowship Award, School of Graduate Studies, Utah State University, 2006/07
- Volunteer organizer at the Bonneville Chapter of the American Fisheries AGM in Park City, 2006
- Graduate Student Representative Aquatic, Watershed, and Earth Resources Department, 2003-2005
- Volunteer organizer and Presenter at the American Fisheries Society Western Division, 2004
- Volunteer and student representative at the Bear River Festival in Logan, May 2003 and 2004
- Volunteer for Common Grounds Outdoor Adventures kokanee salmon viewing, 2003 and 2004
- Active member of the student chapter of the American Fisheries Society, 2002 to 2007
- Terri Lynn Steel Scholarship, College of Natural Resources, Utah State University, 2003
- Science Council of B.C., Graduate Research Engineering and Technology Award (1992 to 1994)
- Member of the Association of Professional Biologists and College of Applied Biology of B.C.
- Electrofishing operator certificate Ministry of Water, Land, and Air Protection
- Survival First Aid certificate, with transportation endorsement
- P.A.D.I. open water dive ticket
- Wildlife / Danger Tree Assessor's certification from Wildlife Tree Committee of BC
- Volunteer for the Robson Bight Killer Whale Visitor Information and Research Program
- Volunteer for the Educational Outreach & Project Wild programs, University of Montana
- Volunteer for weekend Waterfowl surveys, U.S. Dept. of Fish and Game, Montana
- Volunteer coach for Junior and Senior boy's basketball

REFERENCES

Dr. Jeffery Kershner, Center Director
USGS Northern Rocky Mountain Science Center
Bozeman, MT
Telephone: (406) 994 5304

Dr. Ken Lertzman, Professor and Director,
School of Resource and Environmental Mgt,
Simon Fraser University, Burnaby, B.C.
Telephone: (778) 782 3069

Dr. Brett Roper, National Aquatic Ecologist
USDA Forest Service, Fish and Aquatic Ecology Unit
Logan, Utah
Telephone: (435) 755 3566

Peter Corbett, Manager
Mirkwood Ecological Consultants Ltd.
Winlaw, B.C.
Telephone: (250) 226 7249

RECENT PUBLISHED AND UNPUBLISHED REPORTS

Bennett, S.N., Roper, B.B., AL-Chokhachy, R., and P. Budy. *In review*. Timing, duration, and distribution of Bonneville cutthroat trout spawning in a small western stream. *Ecology of Freshwater Fish*.

Bennett, S.N. and J.L. Kershner. *In review*. Assessing the genetic integrity of a westslope cutthroat trout stronghold at the northern periphery of its range. *Transactions of American Fisheries Society*.

Bennett, S. N., J. R. Olson, J. L. Kershner, and P. Corbett. 2010. Propagule pressure and stream characteristics influence introgression: cutthroat and rainbow trout in British Columbia. *Ecological Applications* 20:263-277.

Roper, B. B., J. M. Buffington, S.N. Bennett, S. H. Lanigan, E. Archer, S. T. Downie, J. Faustini, T. W. Hillman, S. Hubler, K. Jones, C. Jordan, P. R. Kaufmann, G. Merritt, C. Moyer, and A. Pleus. 2010. A Comparison of the Performance and Compatibility of Protocols Used by Seven Monitoring Groups to Measure Stream Habitat in the Pacific Northwest. *North American Journal of Fisheries Management* 30:565-587.

Bennett, S.N. and J.L. Kershner. 2009. Levels of introgression in westslope cutthroat populations nine years after changes to rainbow trout stocking programs in southeastern British Columbia. *North American Journal of Fisheries Management* 29:1271-1282.

Bennett, S.N. and Roper, B.B. 2008. Fish inventory and monitoring technical guide for wadeable streams on National Forests. Gen. Tech. Rep. U.S. Department of Agriculture, Forest Service. DRAFT.

Bennett, S.N. 2007. Assessing the extent of hybridization between westslope cutthroat trout and introduced rainbow trout in the Upper Kootenay River, British Columbia. Dissertation, Watershed Sciences Department, Utah State University, Logan, Utah.

Bennett, S.N., P. Corbett, and T. Gaines. 2004. Status of westslope cutthroat trout and the potential extent of hybridization with non-native rainbow trout in the Upper Kootenay River, BC. Paper presented at the American Fisheries Society Western Regional meeting, Salt Lake City, UT. Feb 29-March 4, 2004.

Bennett, S. N. 2002. Westslope Cutthroat Trout: Identified Wildlife Species Accounts. Prepared for Identified Wildlife Management Strategy, Water, Land, and Air Protection, Victoria, BC.

Robertson, I., K. McIntosh, S.N. Bennett, S. Kesting, V. Palermo, P. Warburton, and P. Kneen. 2001. An examination of species at risk in areas with BC Hydro facilities. Prepared for BC Hydro, Vancouver, BC.

Bennett, S. N., P. Sherrington, P. Johnstone, and B. Harrison. 2000. Habitat use and distribution of listed neotropical migrant songbirds of northeastern British Columbia. In L.M. Darling (ed) *Proceedings of a conference on the biology and management of species and habitats at risk BC Environment, Lands, and Parks*, Victoria, BC.

Bennett, S.N. 1999. Fisheries and Wildlife Habitat Assessment of the Trans Canada Highway Upgrade West of Revelstoke. Prepared for Ministry of Transportation and Highways, Victoria, BC.