

Conferences

Thank you to Megan McCusker and Gregory Wilson for providing a summary of this recent conference: **The International Conference on Restoring Nutrients to Salmonid Ecosystems** was held in Eugene, Oregon, April 24-26, 2001, and attended by almost 400 of the leading researchers in freshwater/marine nutrient dynamics, lake and stream ecologists, environmental managers and interested citizens. Researchers from throughout the Pacific Northwest attended, with participants from as far away as eastern Canada and the U.S., Sweden, Norway and Japan. The event was hosted by the Oregon Chapter of the American Fisheries Society, but the conference originated in Canada and was a showcase for the groundbreaking research occurring here in B.C.

The conference focused on the role of marine-derived nutrients in freshwater ecosystems and restoration techniques that have been used to increase salmonid production. With low salmon returns in western North America, freshwater systems are receiving fewer and fewer of the nutrients that used to be deposited in the streams from salmon carcasses. Evidence is mounting about the importance of salmon in bringing nutrients to both aquatic and terrestrial food webs. Stable isotope analysis has traced the signal of marine-derived nutrients not only in the aquatic environment of salmon streams, but also in trees and other terrestrial fauna of the riparian zone. In other words, salmon carcasses appear to be critical not only to future generations of salmonids, but also to other animals and plants in the ecosystem. It was a very holistic and somewhat refreshing view of a complex system, perhaps clarifying scientifically what people have known all along.

How we should use this information in restoration practices will be our next

big challenge. In the U.S., salmon carcasses have been placed in streams by hand for restoration purposes, and in B.C. and Scandinavia, fertilizer has been placed in lakes, reservoirs and streams to boost productivity. The goal has always been to increase productivity to historical levels and, particularly in anadromous systems, to restore productivity until salmon populations increase enough to "fertilize" the systems naturally. Despite the overwhelming evidence of the importance of nutrients, we face many challenges as we attempt to implement this knowledge into management decisions, and to decide on an acceptable approach to restoring aquatic systems. As was stressed by one of the opening speakers, the public perception of "clean" freshwater and healthy salmon streams are often antithetical.

Incorporating the Human Dimension: The Role of Social Science in Natural Resource Management in BC. Kelowna, June 27 - 28, 2001. A forum for natural resource managers and social scientists. Natural resource managers are increasingly recognizing that natural resource management is a social process, through which we attempt to maintain, protect, and enhance, and use our resources. The definition of sustainability includes consideration of social and economic as well as environmental factors. How do we look at the human dimensions of natural resource management? How can the "science of human systems" (social science) help resource management? For more information, contact: Kandy Akselson, Region Manager, Forestry Continuing Studies Network, P.O. Box 1134, Fruitvale, BC, V0G 1L0. Phone: (250) 367-7916 or Email: Kandy.Akselson@fcsn.bc.ca.

Water for People and Nature, A Forum on Conservation and Human Rights: University of British Columbia, Vancouver, July 5-8, 2001. This conference will produce a

platform to ensure that water conservation and every person's fundamental right to clean, safe water become the focus of strategies for water in this century. The conference will bring together water experts, activists, and municipal leaders from around the world for three days of discussion and debate. Registration is \$100. For further information, please call toll free 1-800-387-7177.

Putting Fishers' Knowledge to Work: University of British Columbia's Fisheries Centre, Vancouver, August 27-30, 2001. This conference will examine the use of local knowledge and fishing practices of traditional and industrial fishermen in the management of fisheries and other marine resources. For more information on the conference, contact Nigel Haggan at: n.haggan@fisheries.ubc.ca or visit the conference web-site.

International Conference on Freshwater: Bonn, Germany, December 3-7, 2001. The Conference aims to respond to the challenge of how can freshwater management be improved in practice. Subthemes include: Innovative Strategies for Water and Sanitation for the Poor: Access and Affordability, Protecting Water Resources: Pollution Prevention, Competing Water Uses: Water for Food/Agriculture and Water for Nature, Transboundary Water Issues: Lessons Learnt, Floods and Droughts: Prevention and Management. Phone: +49-(0)228-28046-55; Fax: +49-(0)228-28046-60; Email: info@water-2001.de

Early notice of **Mountain Forests: Conservation and Management:** IUFRO Silviculture Conference at Silver Star Mountain Resort, Vernon, British Columbia, Canada, July 22-26th, 2002. Sponsored by British Columbia Forest Service and Canadian Forest Service. The theme, "Mountain Forests: Conservation and Management," will provide a forum at which forest researchers and practitioners from around the world can

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present and discuss their latest findings and how they might be applied to mountain forest management issues. More information, next Streamline issue.

Workshops and Courses

American Fisheries Society Courses: **Applied Fluvial Geomorphology – Wildland Hydrology Courses.** June 14–18 or August 2–6, 2001, Pagosa Springs, Colorado. Another course is **River Restoration and Natural Channel Design.** This will be offered Oct. 5–15, 2001, in Pagosa Springs, Colorado. For further information, contact 970-731-6100 or 6101.

Stream Restoration and Protection in North Carolina: Building and Success. Aug. 15–17, 2001, Broyhill Conference Center, Boone, North Carolina. \$200. For further information, contact Joni Tanner at 919-513-1678 or e-mail to joni_tanner@ncsu.edu.

Riparian and Aquatic Ecosystem Monitoring - A Technical Training Workshop: Pacific University, Forest Grove, Oregon, July 23-27, 2001 and/ or July 30-August 3, 2001. This is a five day intensive technical training workshop, with both lab and field components. Participants will be working alongside agency scientists and Student Watershed Research Project (SWRP) staff to acquire the skills needed to use and to teach the use of data collection equipment and techniques for school and citizen-based volunteer monitoring programs. Topics covered include: Ecosystem Monitoring Methods, Data and Communications, Watershed Connections. For more information contact: Stacy Renfro, Program Director, Student Watershed Research Project, Saturday Academy/OGI, 20000 NW Walker Road, Beaverton, OR 97006. Phone: (503) 748-1363 or e-mail: renfro@admin.ogi.edu.

Watershed Restoration Workshop 2001: Integrating Practical Approaches. Nov. 13–15, 2001. Hilton Hotel and Conference Center, Eugene Oregon. This will be similar to the 1999 workshop in Sun River. AFS Continuing Education credits will be offered. For more information, contact Richard Grost at 541-496-4580 or e-mail: rgrost@compuserve.com.

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Streamline's goals are to communicate information on practical approaches to watershed restoration including the rehabilitation of stream channels, riparian zones and hillslopes, and to act as a link between geographically separated WRP proponents and their contractors by facilitating the sharing of information and ideas between the regions of B.C. We rely on our readers' participation. **Please send articles and project descriptions (with relevant photos and drawings), as well as information for our "Update" section. We reserve the right to edit submissions for appropriate content, style, and relevance to the Technical Bulletin.**

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