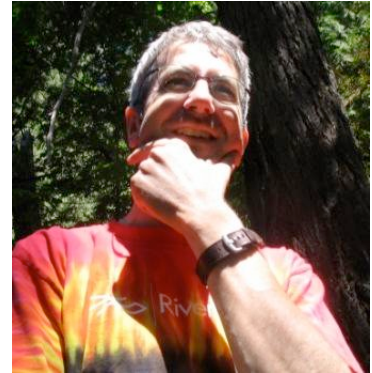


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Research Fields

- Atmospheric chemistry
- Biogeochemistry
- Carbon Footprint Analysis
- Climatology
- Community & Disaster Planning
- Data Analysis & Statistical Modeling
- Ecology & Ecosystem Management
- Economics
- Energy policy & technology
- Ethics
- Fire
- Forestry & Forest Management
- Geographic Information Systems
- Horticulture
- Human Impacts - economics
- Human Impacts - health
- Human Impacts - policy
- Hydrology
- Impacts - agriculture & horticulture
- Impacts - ecosystems, populations
- Impacts - physical
- Instrumentation
- Mitigation Policy
- Modeling Climate
- Modeling Ecosystems
- Modeling Socioeconomic Processes
- Natural Resource Policy & Planning
- Outreach & Engagement
- Paleoclimatology
- Paleoecology
- Physical Ecology
- Physiological Ecology
- Urban Ecology
- Water Policy & Planning
- Other...

Fish Ecology

Specific Research Interests

fish population dynamics
influence of stream modification on aquatic biota
stream and watershed restoration
thermal ecology of coldwater fishes
trophic relationships

Projects

Potential effects of climate change on thermal complexity and biotic integrity of streams: seasonal intrusion of non-native fishes

Thermal Refugia and Salmonid Life Histories in the Grande Ronde Basin of Northeast Oregon

Freshwater Habitat for Pacific Salmon and Native Fishes

Influence of non-navigable streams and wetlands on downstream waters

Selected Recent Publications

Ebersole, J.L., P.J. Wigington, J.P. Baker, M.A. Cairns, M.R. Church, J.E. Compton, S.G. Leibowitz, B. Miller, and B. Hansen. 2006. Juvenile coho salmon growth and survival across stream network seasonal habitats. *Transactions of the American Fisheries Society* 135:1681–1697.

Wigington, P. J., Jr., J.L. Ebersole, M.E. Colvin, B. Miller, B. Hansen, H. Lavigne, D. White, J.P. Baker, M. R. Church, S.G. Leibowitz, J.R. Brooks, M.A. Cairns, and J.E. Compton. 2006. Coho salmon dependence on intermittent streams. *Frontiers in Ecology and the Environment* 4(10):514-519.

Ebersole, J.L., W.J. Liss, and C.A. Frissell, 2003. Coldwater patches in warm streams: physiochemical characteristics and the influence of shading. *Journal of the American Water Resources Association* 39(2):355-368.

Ebersole, J.L., W.J. Liss, and C.A. Frissell. 2003. Thermal heterogeneity, stream channel morphology and salmonid abundance in northeast Oregon streams. *Canadian Journal of Fisheries and Aquatic Sciences* 60:1266-1280.

Watanabe, M., Richard M. Adams, JunJie Wu, John P. Bolte, Matt M. Cox, Sherri L. Johnson, William J. Liss, William G. Boggess, and J. L. Ebersole. 2005. Toward Efficient Riparian Restoration: Integration Economic, Physical, and Biological Models. *Journal of Environmental Management* 75(2):93-104.

Professional Activities

Technical Peer Review Committee for Water Temperature Standard Development, Environmental Protection Agency Region 10.

Salmon-Safe Peer Review Committee

East-side Watershed Restoration Review Team, Pacific Rivers Council