

Vitae

Dr. Daniel Miller

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Education and Experience

University of Washington Geomorphology Post Doctoral 1994-96

University of Washington Geology Ph.D. - 1993

University of Hawaii Geophysics M.S. - 1987

University of Nebraska Physics B.S. - 1979

Appointments

1990 to present Co-owner, M2 Environmental Services

1997 to present Co-founder, Earth Systems Institute, TerrainWorks Inc.

Recent Publications:

Benda, L., Miller, D. et al. in review. Unpaved road erosion and sediment delivery: assessing existing mitigation effectiveness and optimizing future reductions, including post fire.

McCleary, R. J., M. A. Hassan, D. Miller, and R. D. Moore, 2011. Spatial organization of process domains in headwater drainage basins of a glaciated foothills region with complex longitudinal profiles, *Water Resour. Res.*, 47, W05505, doi:10.1029/2010WR009800.

Benda, L.E., D.J. Miller, J. Barquin, 2011. Creating a catchment scale perspective for river restoration, *Hydrology and Earth System Science*, 15, doi:10.5194/hess-15-2995-2011

Fullerton, A., K. Burnett, A. Steel, R. L. Flitcroft, G. Pess, B. Feist, C. Torgersen, D. Miller and

B. Sanderson, 2010. Hydrologic connectivity for riverine fishes: measurement challenges and research opportunities. *Freshwater Biology* 55: 2215-2237.

Benda, L., D. Miller, S. Lanigan, and G. Reeves, 2009. Future of Applied Watershed Science at Regional Scales. *EOS Forum, Transactions of the American Geophysical Union* 90(18):156-157.

Burnett, K.M., C. E. Torgersen, E.A. Steel, D.P. Larsen, J.L. Ebersole, R.E. Gresswell, P.W. Lawson, D.J. Miller, J.D. Rodgers, and D.L. Stevens. 2009. pp 873-902 in C.C. Krueger and C.E. Zimmerman, eds. *Data and modeling tools for assessing landscape-level influences on salmonid populations: Examples from western Oregon. American Fisheries Society Symposium* 70, Bethesda, Maryland.

Miller, D.J., K.M. Burnett, and L.E. Benda, 2008. Factors Controlling Availability of Spawning Habitat for Salmonids at the Basin Scale, in Sear, D. and P. DeVries, (eds), *Salmon Spawning Habitat in Rivers: Physical Controls, Biological Responses and Approaches to Remediation*, Amer. Fisheries Society. pp. 103-120.

Clarke, S., Burnett, K.M., and D.J. Miller. 2008. Modeling streams and hydrogeomorphic attributes in Oregon from digital and field data. *Journal American Water Resources Association*, 44:459-477.

Miller, D.J. and K.M. Burnett, 2008. A probabilistic model of debris-flow delivery to stream channels, demonstrated for the Coast Range of Oregon, USA. *Geomorphology* 94:184-205.

Fullerton, A.H., D. Jensen, E.A. Steel, D. Miller, P. McElhany, 2008. How certain are salmon recovery forecasts? A watershed-scale sensitivity analysis. *Environ Model Assess*, DOI: 10.1007/s10666-008-9185