
SELECTED PUBLICATIONS & PRESENTATIONS — TODD REDDING, MSc, PAg

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2009. Smerdon, B.D., Redding, T.E. and Beckers, J. Forest Management Effects on Groundwater: Large Knowledge Gaps Persist. Streamline Watershed Management Bulletin, 12(2): 17-23.
2009. Smerdon, B.D., T.E. Redding, and J. Beckers. An overview of the effects of forest management on groundwater hydrology. BC Journal of Ecosystems and Management 10(1):22–44. www.forrex.org/publications/jem/ISS50/vol10_no1_art4.pdf
2009. Winkler, R.D., Moore, R.D., Redding, T.E., Spittlehouse, D.L., Carlyle-Moses, D., Smerdon, B. Hydrologic Processes and Watershed Response (Chapter 7). *In* Compendium of Forest Hydrology and Geomorphology in British Columbia [In Press]. R.G. Pike et al. (editors). BC Ministry of Forests and Range Research Branch, Victoria, BC and FORREX Forum for Research and Extension in Natural Resources, Kamloops, BC. Land Management Handbook (TBD).
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2008. Redding, TE, Winkler, RD, Spittlehouse, D, Moore, RD, Wei, A, and Teti, P. Mountain pine beetle and watershed hydrology: A synthesis focused on the Okanagan. Proceedings of the One Water – One Watershed Conference, Kelowna, BC, October 21-23, 2008. 14 p.
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2008. Redding, TE and K. Nickurak. Northern Interior needs assessment for watershed management. FORREX Forest Research and Extension Partnership. Kamloops, BC, File Report No. 08-01. www.forrex.org/publications/other/FileReports/fr08-01.pdf
2008. Winkler, R., Rex, J., Teti, P., Maloney, D. and Redding, T. Mountain pine beetle, forest practices, and watershed management. BC Ministry of Forests and Range. Extension Note No. 88. 11 p. www.for.gov.bc.ca/hfd/pubs/Docs/En/En88.pdf
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2008. Moore, D. Winkler, D., Carlyle-Moses, D., Spittlehouse, D., Giles, T., Phillips, J., Leach, J., Eaton, B., Owens, P., Petticrew, E., Blake, W., Heise, B. and Redding, T. Watershed Response to the McLure Forest Fire: Presentation Summaries from the Fishtrap Creek Workshop, March 2008. *Streamline* 12(1): 1-11.
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2008. Redding, T. Fishtrap Creek: Studying the effects of wildfire on watersheds. *LINK*. 10(1): 1-2.
2008. Swift, K. and Redding, T. Silviculture operations in the Cascades: A summary of the Merritt Summer Field tour. *LINK* 9(3): 12-14.
2008. Redding, T.E. and Devito, K.J. Lateral flow thresholds for aspen forested hillslopes on the Western Boreal Plain, Alberta, Canada. *Hydrological Processes*. 22: 4287-4300, DOI:10.1002/hyp.7038.
2007. Redding, T.E. (Ed.). Mountain Pine Beetle and Watershed Hydrology: Preliminary Results of Research from BC, Alberta and Colorado (Workshop Handbook and Presentation Summaries). 60 p.
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2007. Redding, T.E. and Winkler, R.D. (Eds.). The Upper Penticton Creek Watershed Experiment: Results of a Paired Watershed Study into the Effects of Forest Management on Water Resources (Workshop Handbook and Presentation Summaries). 22 p.
2007. Pike, R.G., Redding, T.E., Wilford, D., Moore, R.D., Ice, G., Reiter, M., and Toews, D.A.A. Detecting and predicting changes in watersheds (Ch. 14). *In* Moore, R.D. Pike, R.G. and Winkler, R.D. (eds.). *Compendium of Forest Hydrology and Geomorphology in British Columbia*. FORREX, Victoria, BC.
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2007. Wilford, D., R.Pike, and T.Redding. Watershed management perspective—Using site and watershed-level retention for water and terrain conservation. *In* *Overcoming Obstacles to Variable Retention in Forest Management: Science to Management Forum Proceedings*, September 25–27, 2007. *BC Journal of Ecosystems and Management* 8(3):100.
2007. Redding, T., R.Pike, and P.Teti. Understanding the effects of mountain pine beetle and salvage harvesting on hydrological processes and watershed response. *In* *Overcoming Obstacles to Variable Retention in Forest Management: Science to Management Forum Proceedings*, September 25–27, 2007. *BC Journal of Ecosystems and Management* 8(3):149.
2006. Redding, T.E. and Devito, K.J. Particle densities of wetland soils in Northern Alberta, Canada. *Canadian Journal of Soil Science*. 86: 57-60.

2005. Redding, T.E., Hannam, K.D., Quideau, S.A. and Devito, K.J. Particle density of aspen, spruce and pine forest floors in Alberta, Canada. *Soil Science Society of America Journal* 69: 1503-1506.
2005. Macrae, M, Redding, T.E., Creed, I.F. Bell, W.R., and Devito, K.J. Soil, surface water and ground water phosphorus relationships in a partially harvested boreal plain aspen catchment. *Forest Ecology and Management* 206: 315-329.
2004. Redding, T.E., G.D. Hope, M.G. Schmidt and M.-J. Fortin. Analytical methods for defining stand-clearcut edge effects demonstrated for N mineralization. *Canadian Journal of Forest Research*. 34: 1018-1024.
2003. Redding, T.E., M.-J. Fortin, G.D. Hope, M.G. Schmidt and W.G. Bailey. Spatial patterns of soil temperature and moisture across high-elevation forest-clearcut edges in the southern interior of British Columbia. *Canadian Journal of Soil Science*. 83: 121-130.

CONFERENCE PRESENTATIONS

2008. "Mountain Pine Beetle and Watershed Hydrology – A Synthesis." Invited Oral Presentation, Mountain Pine Beetle: From Lessons Learned to Community Based Solutions, Prince George, BC, June 10-11, 2008. (T. Redding)
2007. "Watershed management perspective—Using site and watershed-level retention for water and terrain conservation." Poster Presentation, Variable Retention Science Forum, Prince George, BC, Sept 25-27, 2007. (D. Wilford, R. Pike, and T Redding)
2007. "FORREX Watershed Management Information Tools." Poster Presentation, Variable Retention Science Forum, Prince George, BC, Sept 25-27, 2007. (R. Pike and T Redding)
2007. "Understanding the Effects of Mountain Pine Beetle and Salvage Harvesting on Hydrological Processes and Watershed Response." Poster Presentation, Variable Retention Science Forum, Prince George, BC, Sept 25-27, 2007. (T Redding, R Pike, and P Teti)
2007. "Understanding the Effects of Mountain Pine Beetle and Salvage Harvesting on Hydrological Processes and Watershed Response." Poster Presentation, Mountain Pine Beetle and Watershed Hydrology Workshop, Kelowna, BC, July 10, 2007. (T Redding, R Pike, and P Teti)
2007. "FORREX Watershed Management Information Tools." Poster Presentation, Mountain Pine Beetle and Watershed Hydrology Workshop, Kelowna, BC, July 10, 2007. (R. Pike and T Redding)

WORKSHOPS

- 2008.** Fishtrap Creek Workshop, Kamloops, BC. (Co-organizer)
- 2007.** BC Forest Hydrology Technical Field Tour, Prince George, BC. (Co-organizer)
- 2007.** MPB and Watershed Hydrology Workshop, Kelowna, BC. Lead organizer, facilitated sessions, compiled workshop handbook, conducted post-workshop evaluation. This workshop had 22 presentations on hydrology research related to the MPB infestation on hydrology from BC, Alberta, and Colorado. Total participants 158.
- 2007.** Upper Penticton Watershed Experiment Update Workshop and Field Tour, Kelowna, BC: Lead organizer, facilitated session, conducted post-workshop evaluation. This workshop had 8 presentations on hydrology research being conducted at the Upper Penticton Creek Watershed Experiment. Total participants 105 at workshop, 16 on field tour.
- 2007.** Linking Trees and Water: A Fresh Perspective on Forest and Flood Hydrology. Lead organizer for special technical hydrology seminar on new analysis method for examining watershed disturbance effects on peak flows by Dr. Younes Alila (UBC). Total participants 44.