

UPDATE

New Publications

Campbell, D., T. Millard, and D. Collins. 2007.

Timber harvesting activities and hydrology in coastal British Columbia. B.C. Ministry of Forests and Range, Coast Forest Region, Nanaimo, B.C. Forest Research Extension Note EN-023.

URL: <http://www.for.gov.bc.ca/rco/research/hydroreports/en-023.pdf>

Cooperman, M. et al. 2007.

Streambank restoration effectiveness: Lessons learned from a comparative study. *Fisheries* 32(6):278–291.

De Groot, J.D., S.G. Hinch, and J.S. Richardson. 2007.

Effects of logging second-growth forests on headwater populations of coastal cutthroat trout: A 6-year, multi-stream, before-and-after field experiment. *Transactions of the American Fisheries Society* 136:211–226.

Grant, G. 2007.

Running dry: Where will the west get its water? U.S. Forest Service Science Findings No. 97.

URL: <http://www.fs.fed.us/pnw/science/scifi97.pdf>

Hamilton, S. 2007.

Completing the loop: From data to decisions and back to data. *Hydrological Processes* 21(22):3105–3106.

Jost, G., M. Weiler, D. Gluns, and Y. Alila. 2007.

The influence of forest and topography on snow accumulation and melt at the watershed-scale. *Journal of Hydrology* 347:101–115.

Larsen, I.J. and L.H. MacDonald. 2007. Predicting postfire sediment yields at the hillslope scale: Testing RUSLE and Disturbed WEPP. *Water Resources Research* 43, W11412, doi:10.1029/2006WR005560.

McCleary, R. and M. Hassan. 2008.

Predictive modelling and spatial mapping of fish distributions in small streams of the Canadian Rocky Mountain foothills. *Canadian Journal of Fisheries and Aquatic Sciences* 65:319–333.

Melody, K.J. and J.S. Richardson. 2007.

Riparian forest harvesting and its influence on benthic communities of small streams of sub-boreal British Columbia. *Canadian Journal of Forest Research* 37:907–918.

Millard, T., D. Campbell, and D. Collins. 2007.

Timber harvesting activities and geomorphology in coastal British Columbia. B.C. Ministry of Forests and Range, Coast Forest Region, Nanaimo, B.C. Forest Research Extension Note EN-024.

URL: <http://www.for.gov.bc.ca/rco/research/georeports/en-024.pdf>

Mote, P., A. Hamlet, and E. Salathe. 2008.

Has spring snowpack declined in the Washington Cascades? *Hydrology and Earth System Sciences* 12:192–206.

Olson, D.H. et al. 2007.

Biodiversity management for stream-riparian areas: Perspectives for Pacific Northwest headwater forests, microclimates and amphibians. *Forest Ecology and Management* 246(1):81–107.

Pettit, N. and R. Naiman. 2007.

Fire in the riparian zone: Characteristics and ecological consequences. *Ecosystems* 10:673–687.

Robichaud, P. et al. 2008.

Measuring effectiveness of three postfire hillslope erosion barrier treatments, western Montana, USA. *Hydrological Processes* 22(2):159–170.

Rodenhuis, K. et al. 2007.

Climate overview 2007: Hydro-climatology and future climate impacts in British Columbia. Pacific Climate Impacts Consortium.

URL: <http://www.pacificclimate.org/docs/publications/PCIC.ClimateOverview.pdf>

Rood, S. et al. 2008.

Declining summer flows of Rocky Mountain rivers: Changing seasonal hydrology and probably impacts on floodplain forests. *Journal of Hydrology* 349:397–410.

Stednick, J.D. (editor). 2008.

Hydrological and biological responses to forest practices: The Alsea Watershed Study. Springer. New York.

Wipfli, M.S., J.S. Richardson, and R.J. Naiman. 2007.

Ecological linkages between headwaters and downstream ecosystems: Transport of organic matter, invertebrates, and wood down headwater channels. *Journal of the American Water Resources Association* 43:72–85.

New FORREX Publications

LINK Volume 9 Issue 2

<http://www.forrex.org/link>

JEM Volume 8 Number 3

<http://www.forrex.org/jem>

Snow accumulation and ablation in a beetle-killed pine stand in Northern Interior British Columbia

Sarah Boon

Dispersal-based indices and mapping of landscape connectivity

David J. Huggard, Walt Klenner, Laurie Kreamer, and Glen Dunsworth

Using avian species monitoring and map-based data in a coarse-filter approach to sustaining biodiversity

Pierre Vernier and Fred Bunnell

Old forest remnants contribute to sustaining biodiversity: The case of the Albert River valley

Isabelle Houde, Susan Leech, Fred L. Bunnell, Toby Spribille, and Curtis Björk

Development and potential of the cultivated and wild-harvested mushroom industries in the Republic of Korea and British Columbia

Shannon M. Berch, Kang-Hyeon Ka, Hyun Park, and Richard Winder

Pine mushroom habitat characteristics and management strategies in the West Kootenay region of British Columbia

Tyson Ehlers, Signy Fredrickson, and Shannon Berch

Overcoming obstacles to variable retention in forest management: Science to Management Forum Proceedings

Sustainable forestry benchmarks for British Columbia: A geographic information systems assessment of undeveloped watersheds as ecological monitoring units

Mike Fenger and Matthew Wheatley. 2007. FORREX Series 21.

Executive Summary:

http://www.forrex.org/publications/forrexseries/fs21_ExecSumm.pdf

Full Document:

<http://www.forrex.org/publications/forrexseries/FS21.pdf>

Upcoming Events

**Changing Climate, Uncertain Futures, and Evolving Practices Symposium
April 21–23, 2008**

Vancouver, BC

One of the greatest climate change challenges facing British Columbia and the Pacific Northwest is applying uncertain predictions to engineering-type problems that demand immediate analysis and decisions regarding future impacts. In response to this challenge, local chapters of the Air & Waste Management Association (A&WMA) and the Canadian Water Resources Association (CWRA) are organizing a symposium to provide some guidance to practitioners on using the available data for decision-making, and understanding its limitations.

For the symposium agenda, further information, and registration, visit: <http://www.climatesymposium.com/>

**Mountain Pine Beetle: From Lessons Learned to Community-based Solutions
June 10–11, 2008**

Prince George, BC

This conference will highlight and provide a bridge for socio-economic and ecological innovations on managing for the mountain pine beetle.

For more information, visit:

<http://www.forrex.org/events/MPBconference>