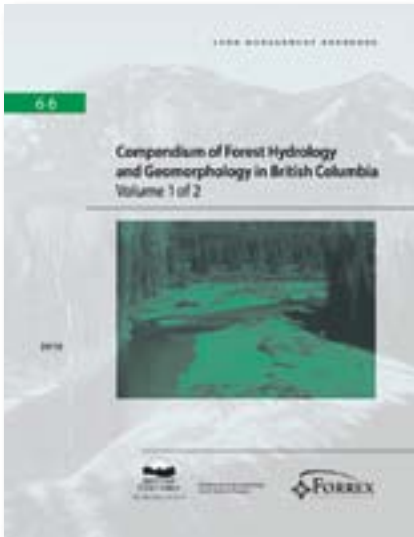
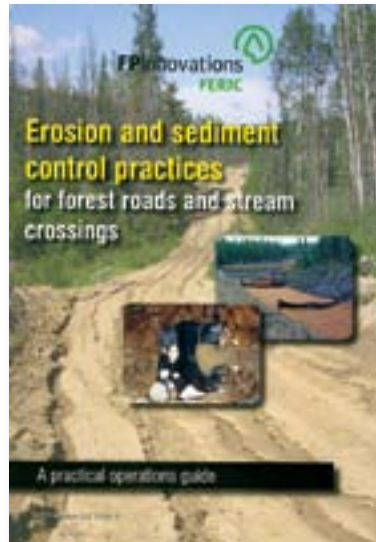


By Todd Redding, PhD, PAg,
and Clayton Gillies, RPF

New Forestry Resources: **Hydrology** and **Erosion and Sediment Control**



The Compendium of Forest Hydrology and Geomorphology in British Columbia consolidates our current scientific knowledge and 40+ years of operational experience in forest hydrology, geomorphology and aquatic ecology in BC into a single synthesis document. The Compendium showcases the province's rich history of watershed research and practice and provides a basic text for professionals, students and anyone in-



FOREST STEWARDSHIP GOALS, SUSTAINABLE MANAGEMENT AND certification, and changing regulations are all fueling the forest industry's increased awareness of erosion prevention and sediment control. In response, Clayton Gillies, researcher with FPIinnovations, has developed a handbook for erosion and sediment control along forest roads titled, *Erosion and sediment control for forest roads and stream crossings*.

Forest roads are widely regarded as the main source of erosion and sediment in forest operations, so efforts aimed specifically at controlling erosion from these disturbances is warranted. Most erosion occurs during and shortly after road and stream crossing construction when the soil is exposed and vulnerable to movement. Preparing an erosion and sediment control plan prior to construction is good forest management. This plan can save time and effort in the long run as it is less costly to identify techniques to prevent erosion than to conduct repairs once the erosion has started. Forest workers and supervisors need to fully understand both the effects of erosion and sediment on the environment, and strategies to prevent erosion during road and stream crossing construction. A common take home message given to practitioners has been that the goal for erosion control is prevention while the goal for sediment control is containment.

interested in water resources. It provides the technical background for sustainable watershed management and policy development and sets the foundation for future research.

The compendium summarizes basic watershed processes, describes the effects of forest disturbance across different regions of the province and summarizes measurement techniques. It also directs readers to additional sources of information. The authors brought a broad range of expertise to the project including forestry, climatology, hydrology, geomorphology, biology, engineering, field measurements, modelling and policy from diverse backgrounds including government, industry, academia and private consulting. To ensure reliable, relevant and scientifically sound information, all chapters were extensively peer reviewed by local and international experts. The compendium is about British Columbia and is primarily intended for a British Columbian audience, giving it a uniquely regional focus compared to other hydrology texts.

The compendium has been co-published by the BC Ministry of Forests and Range and FORREX as Land Management Handbook No. 66 and can be downloaded from: www.for.gov.bc.ca/hfd/pubs/Docs/Lmh/Lmh66.htm or www.forrex.org/program/water/compendium.asp. A hardcopy version will be available for purchase through Crown Publications in 2011.

Important Note: The final version of the compendium replaces all draft chapters and appendices downloaded between 2005 and December 2010 from the FORREX website.

For further information on the compendium, please contact Robin Pike at robin.g.pike@gov.bc.ca or Todd Redding at todd.redding@forrex.org

This handbook is available for purchase from the FPIinnovations website.