

Streamline Update

Wanted: Stream Temperature Data

Stream Temperature Data Requested by Research Team

This summer, the BC Ministry of Environment, Fisheries and Oceans Canada, the University of British Columbia (Dan Moore), and ESSA Technologies (Marc Nelitz) initiated the project "Developing a Science-Based Framework to Identify and Designate Temperature Sensitive Streams in BC." Funded by the Forest Investment Account (FIA) Forest Science Program, this project aims to develop a screening model for identifying temperature-sensitive streams that integrates data on stream and catchment characteristics, as well as climatic conditions. We want to include data from all regions,

from headwater streams to major river systems.

We have made good progress to date in compiling data, but recognize that many organizations collect such information. We are looking for complete time series of data over the summer (raw hourly data or data summarized by daily maximum, minimum, and mean), and information describing monitoring stations (e.g., UTM/lat.-long., type of data logger, site characteristics, installation notes).

If you have potentially relevant data and are willing to contribute to this project, please contact us. Pass along this request if you know of others with data. Given the implications of climate change on hydrological and biological resources in British Columbia, we want to get the most comprehensive "snapshot" of the thermal environment of our provincial stream network. We hope to improve under-

standing of that environment with this project and your contributions.

Sincerely,

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Information Resources

Kamloops Forest Hydrology Abstracts Library

Today, electronic media convey everything from messages to the latest research findings. Because of the ease and speed with which electronic information can be exchanged, the Internet is routinely used as the starting point in a search for information. Unfortunately, many searches also end with the Internet, overlooking an even larger volume of information that exists only in print. In hydrology, printed publications often provide the only record of past discoveries, successes, and failures. These references contain a wealth of

relevant information but are becoming difficult to find.

A number of projects have attempted to ensure that this printed information remains in use by making it easier to identify and retrieve. Several examples of online utilities that include the abstracts and (or) links to publications, including those that are not available electronically, are:

- the Western Snow Conference Abstracts Database, which includes the abstracts of all papers presented at the annual conferences since 1933 (<http://www.westernsnowconference.org/WSCBibl.htm>);
- the BC Ministry of Forests and Range Fish and Forestry Interactions in BC: A Topic Bibliography

(http://www.for.gov.bc.ca/hfd/library/lib_ffib.htm#w); and

- the Kamloops Forest Hydrology Abstracts Library (<http://forestryhydrology.gov.bc.ca>).

The Forest Hydrology Abstracts Library was designed to organize and provide easy access to some 3000 hydrology-related references that have been gathered over the past 20 years, and which are filed in the Ministry of Forests and Range office in Kamloops. The collection includes papers covering a large range of topics such as streamflow, water quality, snow accumulation, snow melt, energy balance, evaporation, transpiration, interception, soil moisture, fish habitat, climate change, and general watershed management. The Web site records about 7000 visits (defined as

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keyword searches) a year; in 2006 thus far, visits have averaged 28 per day.

To search the Kamloops Forest Hydrology Abstracts Library database, users simply enter keywords in all upper or lower case. The title, author, source, and abstract fields for all references in the database are searched to find matches with the keywords entered. Where a match is found, the author, source, file location, and abstract are returned to the screen. Based on the preliminary search results, users can access publications via interlibrary loan through their local library. ~

Please direct any questions and suggestions for the Kamloops Forest Hydrology Abstracts Library to:

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Watershed Management Event/Course/Workshop Links

APEGBC—Association of Professional Engineers and Geoscientists of British Columbia

<http://www.apeg.bc.ca/prodev/prodevents.html>

AWWA—American Water Works Association

<http://www.awwa.org/calendar/>

BCWWA—BC Water and Waste Association

http://www.bcwwa.org/op_ed/index.php

CWRA—Canadian Water Resources Association, BC Branch

http://www.cwra.org/About_CWRA/CWRA_Branches/British_Columbia/british_columbia.html

DEGIFS—Division of Engineers and Geoscientists in the Forest Sector

<http://www.degifs.com/>

FORREX—Watershed Management Listserv

<http://listserv.forrex.org/archives/watershedext.html>

Malaspina University—College Natural Resources Extension Program

<http://www.mala.ca/nrep/Schedule.asp>

National Ground Water Association

<https://info.ngwa.org/servicecenter/Meetings/Index.cfm>

Northwest Environmental Training Center

<http://www.nwetc.org/training.htm>

Puget Sound Online Event Calendar

<http://www.psat.wa.gov/Events/Events.htm>

Selkirk Management Services

<http://www.selkirk-management.com/events.html>

The Pacific Streamkeepers Federation

<http://www.pskf.ca/program/trainers/index.html>

UNBC Natural Resources & Environment Courses

<http://www.unbc.ca/continuingstudies/nrme/index.html>

UVic Diploma and Certificate Program in the Restoration of Natural Systems

<http://www.uvcs.uvic.ca/restore/courses.aspx>

Watershed Management Certificate at UBC

http://www.rmes.ubc.ca/nav.php?page=web_courses

New Publications

BC Journal of Ecosystems and Management 7(2)

Available at www.forrex.org./jem

GUEST EDITORIAL British Columbia's Mountain Pine Beetle Response Team
Rod DeBoice

NEWS FROM THE CO-EDITORS
Alan Wiensczyk and Julie Taylor Schooling

PERSPECTIVES Restoration of forests attacked by mountain pine beetle: Misnomer, misdirected, or must-do?
Philip J. Burton

DISCUSSION PAPER Rate of deterioration, degrade, and fall of trees killed by mountain pine beetle
Kathy J. Lewis and Ian D. Hartley

RESEARCH REPORT The impact of treatment on mountain pine beetle infestation rates
Trisalyn Nelson, Barry Boots, Ken J. White, and Alanya C. Smith

EXTENDED ABSTRACT Hydrologic effects of mountain pine beetle in the

interior pine forests of British Columbia: Key questions and current knowledge
Lars Uunila, Brian Guy, and Robin Pike

EXTENSION NOTE British Columbia's coastal forests: Red alder stand establishment decision aid
Keith Thomas and Jennifer Turner

DISCUSSION PAPER Disturbance regimes in coastal British Columbia
Lori D. Daniels and Robert W. Gray

EXTENSION NOTE Predicting the risk of wet ground areas in the Vanderhoof Forest District: Project description and progress report
John Rex and Stephane Dubé

EXTENSION NOTE Wildlife/danger tree assessment in unharvested stands attacked by mountain pine beetle in the central interior of British Columbia
Patience Rakochoy and Chris Hawkins

DISCUSSION PAPER Examining the utility of advance regeneration for reforestation and timber production in unsalvaged stands killed by the

mountain pine beetle: Controlling factors and management implications
Hardy Griesbauer and Scott Green

DISCUSSION PAPER An assessment of critical assumptions supporting the timber supply modelling for mountain-pine-beetle-induced allowable annual cut uplift in the Prince George Timber Supply Area
John Pousette and Chris Hawkins

RESEARCH REPORT Detecting and mapping mountain pine beetle red-attack damage with SPOT-5 10-m multispectral imagery
Joanne C. White, Michael A. Wulder, and Danny Grills

DISCUSSION PAPER A review and synthesis of the effects of unsalvaged mountain pine beetle stands on wildlife and implications for forest management
Ann C. Allaye Chan-McLeod

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Available at www.forrex.org/link