

Post-doctoral opportunity in northern hydrometeorology

Project Description: As a post-doctoral fellow in UNBC's Northern Hydrometeorology Group (NHG), you will contribute to a project entitled "Streamflow trends and variability across the Fraser River Basin". Specifically, the work will investigate the daily, monthly, and annual discharge along the Fraser River and its tributaries from 1910 to 2010. The analysis will first quantify the contribution of each upstream gauged area (nested sub-watersheds) to the total annual discharge measured at Hope, BC. Emphasis will be given to the relationship between topography (e.g., elevation, land cover type, etc.), anthropogenic developments, and observed trends and fluctuations in streamflow. Additional work may explore the attribution of observed streamflow phase shifts across BC and/or the fluxes of western Canada river discharge to the North Pacific Ocean.

Qualifications: A recent Ph.D. in the environmental, physical or natural sciences or engineering. Experience with computer programming, GIS, and the manipulation and analysis of large hydrological datasets is preferred. The successful applicant will be expected to publish his/her results in peer-reviewed publications and assist with other NHG research activities. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. UNBC is committed to employment equity and encourages applications from women, aboriginal peoples, persons with disabilities and members of visible minorities.

To apply: Applicants should submit a cover letter describing their research experience and interests relevant to this project in addition to a curriculum vitae and the names of three references. Applications will be reviewed commencing 10 June 2011; however, applications will be accepted until the position is filled. Applications and relevant documents should be submitted by email to sdery@unbc.ca.

For more information, contact Dr. Stephen Déry, Environmental Science and Engineering Program, UNBC, 3333 University Way, Prince George, BC, V2N 4Z9, Canada or by email at sdery@unbc.ca. Duration: June 2011 through June 2012.