

Funded Master of Environmental Studies (MES) Research Opportunity:
Water Security for Northern Peoples: Quantifying vulnerability of freshwater supply in a warming future

Are you interested in understanding the influence of environmental change on freshwater ecosystems, the vulnerability that this creates for northern communities, and being able to directly influence planning and management of freshwater resources? Are you thinking about grad school?

The concept of water security continues to evolve with recent conceptions tending towards increased breadth and inclusiveness. Our project bridges scientific and social dimensions of research to link quantitative measures of water quality and quantity with northern communities which are at the forefront of environmental change. The goal of the initiative is to build and enhance the capacity of northerners to monitor and adapt to the effects of environmental change on freshwater resources.



Catastrophic drainage of Zelma Lake, Y.T
Photo courtesy of J. Tondou, 2010.

In partnership with Drs. Sonia Wesche and Eric Crighton at the University of Ottawa, and the Nunavut Research Institute, Prof. Andrew S. Medeiros of the School for Resource and Environmental Studies, Dalhousie University, is looking to recruit a keen Masters student to begin studies in **September, 2018** (a January 2018 start date might be possible). The student will be based in the School for Resource and Environmental Studies at Dalhousie University in Halifax, NS, Canada.

The ideal candidate will have a very strong academic background (as evidenced through grades in course work) in a relevant program(s), be unafraid of working with numbers or challenging northern environments and possess an enthusiasm for creative problem-solving. Prior experience with Arctic ecosystems, bioindicator or paleoecological analysis, or a related biophysical sustainability assessment technique is a distinct asset but not essential.

Stipend support for this project would vary from \$15,000-\$20,000 for two years for a Masters student depending on experience and qualifications. Opportunities for additional scholarship support will be explored for suitable candidates.

If interested, please e-mail andrew@canadian.net with a note describing your interest and background and ideally attach a summary or unofficial copy of your prior university grades, and a CV. Please use "LCA of water security graduate project interest" as the subject line of your note.