

GRADUATE STUDENT OPPORTUNITIES

The Limnology Laboratory at the University of Saskatchewan is seeking graduate students for two research projects.

1. The first project is a large multidisciplinary research effort that is conducting a nutrient sensitivity analysis on Lake Diefenbaker. Lake Diefenbaker has multiple uses: drinking water for 45% of Saskatchewan's population, hydro-power generation, irrigation, aquaculture, recreation and industrial uses. Such uses are increasing with Saskatchewan's rapidly developing economy. The ability of the reservoir to continue to provide water of reasonable quality under rapid economic development and under a changing climate is under study. A description of many of the potential student research projects is highlighted at:

<http://www.sgmeet.com/aslo/neworleans2013/sessionschedule.asp?SessionID=GS07>.

Students with a strong background in aquatic sciences are encouraged to apply.

2. The second project is examining the short and long-term dynamics of dissolved organic matter (DOM) in boreal and prairie lakes and rivers. This project will also focus on the short and long-term interaction between DOM and solar radiation. Students with a background in DOM biogeochemistry are encouraged to apply.

Students will be associated with the Department of Biology and the University of Saskatchewan's Global Institute for Water Security (GIWS). Students will benefit greatly from the extensive network of aquatic researchers, training programs and facilities at the University of Saskatchewan. Doctoral candidates will receive preferential consideration, but academically strong M.Sc. candidates will also be considered. Student projects will involve field and/or laboratory experimentation and can include (depending on student interests) the use of the Canada's synchrotron facility (<http://www.lightsource.ca/>) and Structural Sciences Centre (<http://www.usask.ca/sssc/overview.php>).

Applicants are encouraged to include a cover letter, academic CV, transcripts (unofficial), and the contact information for three references to: Dr. Jeff Hudson (Department of Biology, University of Saskatchewan, Saskatoon, Saskatchewan, Canada, S7N 5E2, e-mail jeff.hudson@usask.ca, telephone 306-966-4412, Limnology Laboratory website: <http://www.usask.ca/biology/hudson/>). Further information pertaining to the University of Saskatchewan, the Department of Biology and the Global Institute for Water Security (GIWS) can be obtained at the following websites: <http://www.usask.ca/>, <http://www.usask.ca/biology/>, <http://www.usask.ca/water/>, respectively.