

# GRADUATE OPPORTUNITIES IN ARCTIC RESEARCH BIOGEOCHEMISTRY & LIMNOLOGY OF MACKENZIE RIVER DELTA

## ● Seeking students for graduate studies in Arctic aquatic sciences !

**PhD opportunity** - field, lab, and modeling investigation of carbon / methane cycling through Mackenzie Delta

**MSc opportunity** - variety of possible research topics

**Summer Research Assistants** - support of field and lab work in the Mackenzie River Delta

## ● This is an exciting opportunity to obtain a graduate degree in arctic-based science involving field (travel, food, place to stay paid) and experimental lab work.

Builds from long-term research on the limnology and biogeochemistry of lakes in the Mackenzie Delta. The ultimate goal is to understand role of deltas as keystone earth-systems of the coastal Arctic and the response of such "hotspot" ecosystems to the combined stresses (i.e. climatic warming, UV-irradiance, land use changes, flow regulation) of global change (see <<http://www.sfu.ca/limnology>>).

### See featured articles -

#### **Global Change in the Mackenzie River Delta:**

***Geophysical Research Letters*** 2007, 34: L23404,doi:10.1029/2007GL031656

#### **River-to-lake connectivity and aquatic habitat diversity:**

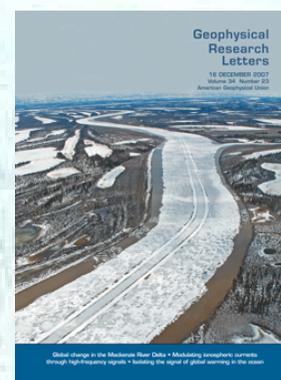
***Water Resources Research*** 2010, 46: W12504,doi:10.1029/2010WR009607  
Research Spotlight, EOS 92:22 Feb 2011, p73

#### **Transparent organic particles in Arctic floodplain lakes:**

***J Geophys Res - Biogeosciences*** 2012, 117: G04013,doi:10.1029/2012JG002132  
Research Spotlight, EOS 94:26 Feb 2013, p96

#### **Delta lakes as CO<sub>2</sub> absorbers in the Arctic landscape:**

***Ecosystems*** 2009, 12:144-157,doi:10.1007/s10021-008-9213-5



## GENERAL QUALIFICATIONS:

- A completed degree (BSc or MSc) in a field of study (Environment Science, Ecology, Physical Geography, Biology, Earth Science) pertinent for field/lab research in aquatic biogeochemistry or limnology. MSc needed for entrance to PhD program.
- Ability to work in Inuvik (travel and living expenses paid) during summer field season.
- Keen interest in limnological/biogeochemical research and Arctic-based science.

**CLOSING DATE: Until the positions are filled.** Ability to start grad school in Sept, 2013 an asset, but not required.

## CONTACT:

Email a short sketch of your background and experience - a Resume or CV would be fine - along with your contact information to Lance Lesack (email address below).

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<http://www.sfu.ca/limnology> <http://www.sfu.ca/lesack>

