

## 2012 Ottawa-Carleton Student Northern Research Symposium

### Oral Presentations

#### **Upper Cretaceous strata of Ellef Ringnes Island, Canadian High Arctic: a window into the depositional history of the Boreal Sea**

Pugh, A.T.<sup>1</sup>, Schröder-Adams, C. J.<sup>1</sup>, Andrews, J.<sup>1</sup>, Galloway, J.<sup>2</sup>, and J. Herrle<sup>3</sup>; 1 - Carleton University; 2 - G.S.C. Calgary; 3 - University Frankfurt, Germany.

#### **Physical Characteristics of Petersen Ice Shelf, Ellesmere Island: Past and Present**

White, A.C.<sup>1</sup>, Copland, L.<sup>1</sup>, and D. Mueller<sup>2</sup>; 1 – Department of Geography, University of Ottawa; 2 – Department of Geography and Environmental Studies, Carleton University

#### **The 2009-2010 surge of Lowell Glacier, Yukon**

Bevington, A.<sup>1</sup>, and L. Copland<sup>2</sup>; 1 - Department of Earth Sciences, University of Ottawa; 2 - Department of Geography, University of Ottawa

#### **Influence of microclimate on surface ablation of a Petermann Ice Island (2010) fragment in the Eastern Canadian Arctic**

Crawford, A., D. Mueller; Department of Geography and Environmental Studies, Carleton University

#### **Internal topography of drained thermokarst lake basins in the Old Crow Flats, YT.**

Roy-Léveillé, P., and C. Burn; Department of Geography and Environmental Studies, Carleton University

#### **Alberta's Future Leaders Program: Understanding Youth Experiences in Cross-Cultural Aboriginal Youth Leadership Development**

Galipeau M.; School of Human Kinetics, University of Ottawa

#### **Dynamics of ice caps in the Canadian High Arctic determined by a speckle tracking method.**

Van Wychen, W.<sup>1</sup>, Burgess, D.<sup>2</sup>, Gray, L.<sup>3</sup>, and L. Copland<sup>1</sup>; 1 - Department of Geography, University of Ottawa, 2 - Geological Survey of Canada, Natural Resources Canada, 3 - Canada Centre for Remote Sensing, Natural Resources Canada

#### **Impact and Benefit Agreements and the Canadian State: A case study of Yellowknives Dene and Tlicho First Nations**

Levitan, T.; Institute of Political Economy, Carleton University

**Surface melt-induced Glacier acceleration on the Northwest sector of Devon Ice Cap, NU**

de Jong, T.; Department of Geography, University of Ottawa

**Temperature-growth divergence in white spruce forests of northwestern North America: implications for tree-ring-based temperature reconstructions**

Porter, T.J., M.F.J. Pisaric, Department of Geography and Environmental Studies, Carleton University

**Field observations of palsa-scale frost mounds, outer Mackenzie Delta, NWT**

Morse, P.<sup>1</sup>, Burn, C.<sup>1</sup>, and S.V. Kokelj<sup>2</sup>; 1 – Department of Geography and Environmental Studies, Carleton University, 2 – Aboriginal Affairs and Northern Development Canada

**Multi-decadal permafrost changes along the Alaska Highway Pipeline Corridor, Southern Yukon, from borehole ground temperature measurements and DC Electrical Resistivity Tomography**

Duguay, M.A.<sup>1</sup>, Lewkowicz, A.G.<sup>1</sup>, S.L. Smith<sup>2</sup>; 1 - Department of Geography, University of Ottawa, 2 - Geological Survey of Canada, Natural Resources Canada

**Cartographie des glissements de terrain dans la région de Stony Creek (T.N.O.) pour la période 1944-2008**

Poirier, K.A.; Département de géographie, Université d'Ottawa

**The Staples Thesis and Comprehensive Land Claims Agreements: Directions for Research**

Gladstone J.; School of Public Policy and Administration, Carleton University

**Northern Youth Abroad: Assessing the Impacts of an Intercultural Exchange Program for Nunavut Youths**

Aylward, E.; School of International Development and Global Studies, University of Ottawa

**Recent storm surges in the MacKenzie Delta region, Northwest Territories, Canada, inferred from sediments collected from coastal lakes**

Courtney Mustaphi, C.J.<sup>1</sup>, Vermaire, J.C.<sup>2</sup>, Thienpont, J.R.<sup>3</sup>, Kokelj, S.V.<sup>4</sup>, Smol, J.P.<sup>3</sup>, and M.F.J. Pisaric<sup>1,2</sup>; 1 - Ottawa-Carleton Geoscience Centre, Department of Earth Sciences, Carleton University, 2 - Carleton University Paleoecological Laboratory, Department of Geography and Environmental Studies, Carleton University, 3 - Paleoecological Environmental Assessment and Research Lab, Department of Biology, Queen's University, 4 - Renewable Resources and Environment, Aboriginal Affairs and Northern Development Canada

**The development of near-surface ground ice at Illisarvik, Richards Island, western Arctic coast, Canada**

O'Neill, B.H., Burn, C.; Department of Geography and Environmental Studies, Carleton University

**Scenario-based Climate Change Modelling for a Regional Permafrost Probability Model of the Southern Yukon & Northern British Columbia, Canada.**

Bonaventure, P.P.<sup>1,2</sup>, and A.G. Lewkowicz<sup>2</sup>; 1 – Department of Geography, Queen's University, 2 - Department of Geography, University of Ottawa

**Poster Presentations**

**Developing a regional assessment of glacier motion: Kluane National Park, Yukon Territory**

Waechter, A. ; Department of Geography, University of Ottawa

**Lake level fluctuations and its impact on bison habitat: a climate reconstruction of the Fort Providence region, NWT.**

deMontigny, P.<sup>1</sup>, Pisaric, M.F.J.<sup>1</sup>, Armstrong, T.<sup>2</sup>, Condon, W.<sup>3</sup>, Kokelj, S.V.<sup>4</sup>, and S. van der Wielen<sup>3</sup>; 1 - Carleton University, 2 - Environment and Natural Resources, Fort Smith, NWT, 3 - Aurora Research Institute/College, Fort Smith, NWT, 4 - Aboriginal Affairs and Northern Development Canada

**Water level changes in the Aishihik Lake area, Yukon Territory, Canada**

Chaput, M. and K. Gajewski; Department of Geography, University of Ottawa

**A prevalence of open water at the northern coast of Ellesmere Island**

McCallum, M.R.<sup>1</sup>, Copland, L.<sup>1</sup>, and D. Mueller<sup>2</sup>; 1 – Department of Geography, University of Ottawa; 2 – Department of Geography and Environmental Studies, Carleton University

**The dendroclimatic signal in white spruce ring widths along the Tibbitt to Contwoyto ice road, Yellowknife, NWT**

Muise, P.<sup>1</sup>, Pisaric, M.F.J.<sup>1</sup>, Falck, H.<sup>2</sup>, and R.T. Patterson<sup>3</sup>; 1 - Department of Geography and Environmental Studies, Carleton University, 2 - Northwest Territories Geoscience Office, Yellowknife, YK, 3 - Department of Earth Sciences, Carleton University

**Ice morphology, isotope geochemistry and tritium variations in perennial ice-covered Lake Joyce, McMurdo Dry Valleys of Antarctica: insights into ice accretion and ablation rates and transit time of water through the ice-cover.**

Savage, M., and D. Lacelle; Department of Geography, University of Ottawa

**Assessing vegetation change in the Sutton Ridge area of the Hudson Bay Lowlands based on aerial photography**

Koponen, L.; Department of Geography and Environmental Studies, Carleton University

**Using paleolimnology to track impacts of a recent storm surge on chironomid communities, Mackenzie Delta, NWT**

Steele, C.<sup>1</sup>, Vermaire, J.<sup>1</sup>, Thienpont, J.<sup>2</sup>, Kokelj, S.V.<sup>3</sup>, and M.F.J. Pisaric <sup>1</sup>; 1 - Department of Geography and Environmental Studies, Carleton University, 2 - Department of Biology, Paleoecological Environmental Assessment and Research Lab, Queen's University, 3 - Indian and Northern Affairs Canada, Northwest Territories Geoscience Office