**Associate Professor** 

### **Appointment Status**

Associate Professor Geography, Arts and Sciences, Queen's University at Kingston Full-time, Term, Associate Professor Tenure Status: Tenure

#### **Academic Background**

2004/6	Post-doctorate - Effects of glacier melt on water resources in the prairies -
	University of Alberta, Drs. Martin Sharp, David Schindler (2003/9 / 2004/6)
2003/9	Doctorate - Glacial hydrology, hydrochemistry - University of Alberta
	Supervisor: Martin J. Sharp 1997/9-2003/9
1996/4	Bachelor's - Environmental Science and Resource Management - University of
	Western Ontario

#### **Work Experience**

2011/7	Associate Professor Geography, Arts and Sciences, Queen's University at Kingston Full-time, Term, Associate Professor Tenure Status: Tenure

2004/7 Assistant Professor Geography, Arts and Sciences, Queen's University at Kingston Full-time, Term, Assistant Professor

2004/1

**Associate Professor** 

#### **Undergraduate Teaching and Course Development**

2005/1 -Instructor and Course Designer, Queen's University at Kingston Course Title: GPHY 411 Biogeochemical Cycles present Course Level: Undergraduate Honours Seminar 2005/1 -Instructor and Course Designer, Queen's University at Kingston Course Title: GPHY 208 Geomorphology and Pedology present Course Level: Undergraduate 2006/9 -Instructor and Course Designer, Queen's University at Kingston Course Title: GPHY 311 Watershed Hydrology present Course Level: Undergraduate 2007/9 -Co-Instructor and Co-Course Designer, Queen's University at Kingston Course Title: GPHY 103 Freshwater Resources present Course Level: Undergraduate 2010/4 Co-Instructor and Co-Course Designer, Queen's University at Kingston Course Title: GPHY 307 Field Studies in Physical Geography Course Level: Undergraduate

#### **Undergraduate Supervisory Experience**

Associate Professor

2011/9 - 2014/4

Associate Professor

Ashley Rudy Geography Queen's

**Associate Professor** 

Atmospheres, 120: 11,352-11,367, doi:10.1002/2015/JD023835

Holloway J, Lamoureux SF, Montross S, Lafrenière MJ (2016). Hydroclimatic and Landscape Controls over Mudboil Formation in the Canadian High Arctic. *Permafrost and Periglacial Processes*. 27(2): 204-218.

Wasiuta VW, Lafrenière MJ, Norman A-L, Hastings M (2015) Summer deposition of sulfate and reactive nitrogen to two alpine valleys in the Canadian Rocky Mountains, *Atmospheric Environment*, 101:270-285.

Wasiuta VW, Lafrenière MJ, Norman A-L (2015) Atmospheric nitrogen and sulfur deposition in the Southern Canadian Rocky Mountains. *Journal of Hydrology*, 523: 563–573

Grewer DM, Lafrenière MJ, Lamoureux SF, Simpson MJ (2015) Potential shifts in Canadian High Arctic sedimentary organic matter composition with permafrost active layer detachments. *Organic Geochemistry* 79: 1-13.

Young KL, Lafrenière MJ, Lamoureux SF, Abnizova A, Miller E (2015) Seasonal stream regimes and Multi-Year water budgets of hillslope catchments at Polar Bear Pass and Cape Bounty, Nunavut

Associate Professor

Nitrate Reducing Microbial Assemblages in a Subglacial Ecosystem, *Applied Environmental Microbiology* 

**Associate Professor** 

Thiel G, Fouché F, Lafrenière MJ, Lamoureux SF (2017) Spatial controls on the lability of dissolved organic matter in a High Arctic watershed, Canadian Geophysical Union (CGU) – Canadian Society of Agricultural and Forest Meteorology (CSAFM) National Meeting, Vancouver, Canada, May 28 - 31, 2017, Conference Program, p 40.

Schevers A, Lamoureux SF, Lafrenière MJ, Beel C (2017) Long-term dissolved inorganic nitrogen fluxes from paired watersheds in the Canadian High Arctic, Canadian Geophysical Union (CGU) – Canadian Society of Agricultural and Forest Meteorology (CSAFM) National Meeting, Vancouver, May 28 - 31, 2017, Conference Program, p 41.

Chiasson-Poirier G, Franssen J, Fortier D, Tremblay T, Lafrenière MJ, Shirley J, Lamoureux SF (2017) Hydrogeomorphic factors controlling the routing of surface and shallow groundwater flows in permafrost environments, Canadian Geophysical Union (CGU) – Canadian Society of Agricultural and Forest Meteorology (CSAFM) National Meeting, Vancouver, May 28 - 31, 2017, Conference Program, p 11.

Lafrenière MJ

**Associate Professor** 

Lamoureux, S.F. and Lafrenière, M.J. (2015) Impacts of permafrost change on landscape stability and water quality (Invited-oral) American Geophysical Union (AGU) Fall Meeting, San Francisco, CA, Dec 13-18<sup>th</sup>, 2015. (INVITED, Oral)

Lafrenière, M.J. and S.F. Lamoureux (2015) Collaboration for Research Success, Invited Plenary,

**Associate Professor** 

Muir, D.C.G., Kirk, J.L., Gleason, A., Wang, X., Sett, A., Iqaluk, D., Lamoureux, S., Lafrenière, MJ. 2013. Bioaccumulation of mercury in arctic char in East and West Lake, Cape Bounty Arctic Watershed Observatory, Melville, Island, NU. ArcticNet 2013 Annual Scientific Meeting, Halifax, Dec 9-12, 2013. p.159.

Lamhonwah, D., Lafrenière, M., Lamoureux, S., Montross, S., Wolfe, B. 2013. An end member mixing

**Associate Professor** 

Mineralogical Magazine, 76(6) 2524 Goldshmidt 2012, Montreal, Canada, June 24-29, 2012.

Lafrenière, M. J, S. F. Lamoureux, and H. Munro 2012. Impact of Warming and Permafrost Disturbance on Solute and Nutrient Export in High Arctic Watersheds, IPY 2012 from Knowledge to Action, April 22-29, 2012 (oral)

### **Research Funds – External/Internal**

Period of	Role	Principal	Funding	Title	Amount
Funding		Applicant	Organization		(CAN\$)

### Associate Professor

2014/9		and Lafrenière MJ	Field Aircraft Support Program	system processes and impacts due to changing permafrost	
2014/4- 2014/9	Co-PI	Lamoureux, SF and Lafrenière MJ	PCSP -in kind logistics, Natural Resources Canada	Integrated landscape and 69, aquatic system processes and impacts due to changing permafrost	600
2010/1 - 2013/12	Co-PI	Lafrenière, MJ and Lamoureux SF	NSERC Strategic		7,475
2013/4- 2013/9	Co-PI	Lamoureux, SF and Lafrenière MJ	ArcticNet NCE - Field Aircraft Support Program	•	000
2013/4- 2013/9	Co-PI	Lamoureux, SF and Lafrenière MJ	PCSP -in kind logistics, Natural Resources Canada	•	000
2012/4 - 2013/3	Co-				

Associate Professor

2011/3 and Lafrenière

MJ

landscape and ecosystem responses to climate change

2010/4 - Co-Lead 2010/9

Lamoureux SF PCSP -in kind and Lafrenière, logistics,

MJ

**Associate Professor** 

2007/7 - 2009/6 Department of Geography, Renewal Tenure and Promotion (RTP) Committee School of Graduate Studies, Division IV (Physical Sciences) Committee - Queen's University at Kingston