

**CARLETON UNIVERSITY**

**Department of Geography and Environmental Studies**

**MASTER'S THESIS EXAMINATION**

**CANDIDATE:** *Amanda Little*  
*Bachelor of Science (Honours), Queen's University, 2016*

**DATE:** *Tuesday June 25, 2019, 13:00 A302, Loeb Building*

**THESIS TITLE:** *The impacts of century-old, arsenic-rich, mine tailings on multitrophic level biological assemblages in lakes from the Cobalt, Ontario, Canada region*

**EXAMINATION BOARD:**

<b>External Examiner</b>	Tim Patterson, Department of Earth Sciences, Carleton University	(In Person)
<b>Member of Department</b>	Murray Richardson, Department of Geography & Environmental Studies, Carleton University	(In Person)
<b>Thesis Supervisor</b>	Jesse Vermaire, Department of Geography & Environmental Studies, Carleton University	(In Person)
<b>Chair of Defence</b>	Douglas King, Department of Geography & Environmental Studies, Carleton University	(In Person)
<b>Chair/Director of Department or Designate</b>	Scott Mitchell, Department of Geography & Environmental Studies, Carleton University	(Ex-officio)
<b>Dean of Faculty</b>	L. Pauline Rankin, FASS	(Ex-officio)
<b>Dean, Faculty of Graduate and Postdoctoral Affairs</b>	Matthias Neufang, FGPA	(Ex-officio)

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**Scott Mitchell, Chair/Director of Department or Designate**  
**Department of Geography and Environmental Studies**