

C. Mondoux

mondouxresearch.ca
ccmondoux@gmail.com
(807)633-0189



EDUCATION

MSc in Environmental & Life Sciences

2017

Trent University

Thesis: Social Discrimination by Female Polar Bears (*Ursus maritimus*) When Accompanied by Dependent Offspring During the Ice-Free Season in Southern and Western Hudson Bay and James Bay

- Developed methods for studying the spatial arrangement of individuals on the landscape considering social variables and the relationships between individuals
- Sampled polar bears in James Bay while staying in a remote field station on Akimiski Island
- Regularly communicated my project objectives, methods, and results through written proposals and reports, and through audiovisual presentations

HBSc in Biology, and Environmental & Resource Management Science 2012

Trent University

Specialization: Conservation Biology

Scholarships and Awards

Robert J.D. Page Scholarship in Environmental Science	2012
President's Honour Roll	2012
Trent National Scholarship	2008-2012
Dean's Honour Roll	2008-2011
Cyril and Jenny Carter Scholarship in Environmental Science	2010

Selected Undergraduate Projects and Collaborations

Conservation Genetics of the Cucumber Tree (*Magnolia acuminata*) 2012

I designed chloroplast microsatellite primers and performed DNA extractions from leaf and bark samples for a project studying landscape barriers to seed and pollen dispersal.

Sustainable Baitfish Management in the Lake Simcoe Watershed 2012

In collaboration with the Ontario Ministry of Natural Resources;

Parks and Protected Areas, and Fisheries Policy Sections

I assessed the ecological and economic sustainability and feasibility of baitfish management policies prohibiting the movement of live bait into the Lake Simcoe Watershed to reduce the spread of invasive species and viral hemorrhagic septicemia.

Integrated Management of the Candelaria Watershed 2012

In collaboration with the Secretaria de Medio Ambiente Y Recursos Naturales (SEMARNAT)

I participated in the remote preparation of a watershed management plan for the Candelaria watershed in Campeche, recommending sustainable land uses based on variables including terrain, hydrology, ground cover, and climate. Another group member and I then presented the integrated management and remote assessment techniques used, and the resulting management plan to representatives of SEMARNAT in Mexico.

PROFESSIONAL EXPERIENCE

Business Manager

Furniture Recycle, Thunder Bay, Ontario

2012, 2015-Present

- Staff recruitment, training, scheduling, discipline, and evaluations
- In-house bookkeeping
- Inventory management and purchasing
- In-store, telephone, and internet customer service and sales

Enrichment Instructor

Trent University Mini-Enrichment Camp, Peterborough, Ontario

2015

- Prepared and delivered a one-day Habitats and Organisms program to six groups of students
- Covered such topics as conspecific communication, camouflage, and natural and sexual selection through an assortment of presentations, games, hands-on activities, and exploratory activities

Teaching Assistant

Trent University, Peterborough, Ontario

2012-2013

- Delivered laboratory lessons, and provided feedback and assistance during office hours
- Maintained records of student attendance, participation, and grades
- Prepared and delivered a lecture on wildlife forensics (BIOL 3620)

First Aid and CPR Instructor

The Lifesaving Society, Thunder Bay and Peterborough, Ontario

2005-2014

- Developed flexible lesson plans that allowed me to adapt quickly to the varying strengths, weaknesses, and interests of different classes, while still ensuring all certification standards were met
- Regularly renewed certifications and attended training to ensure programs were being delivered to current standards

Swim, Fitness, and Lifesaving Instructor; Lifeguard

Community Aquatics Thunder Bay, Ontario

2005-2009

YMCA of Central East Ontario, Peterborough, Ontario

2008-2012

- Prepared and delivered courses for a wide range of participants
- Prevented accidents by encouraging safe behaviours and responded to emergencies
- **Promoted to Assistant Facility Operator and Head Lifeguard in my first year**
- Ensured programs were being consistently delivered to a high standard
- Ensured pools were operated to health codes, and closed facilities when required

Research Assistant

Trent University, and the University of Toronto – Scarborough Campus

2010-2011

Peterborough, Scarborough, and Newmarket, Ontario

Project: Metabolic Physiology and Intraspecific Sexual Competition in *Argiope aurantia* and *trifasciata*

- Assisted with experimental design and performed mating trials comparing basal metabolic rates in males to their courtship and competition behaviours, endurance, and vertical running speeds
- Collected and housed immature specimens until maturity; returned egg sacs to the field site
- Weighed, marked, and photographed spiders for morphological measurements
- Maintained written, video, and audio records

Tree Planter

Coastrange, British Columbia

2009

Outland Reforestation, Ontario

2008

- Worked outside in a wide range of weather and terrain conditions
- Traversed rugged terrain while carrying heavy tree stock
- Performed hover landings and take-offs with helicopters to reach remote forest blocks
- Safety Crew member (Outland Reforestation)

VOLUNTEER EXPERIENCE

Banding Station Volunteer

McKellar Island Bird Observatory, Thunder Bay, Ontario 2017

- Assisted with ground trap and mist net setup and take down, extractions, and scribing

Ash Tree Surveyor

Trent University, Peterborough, Ontario 2015

- Surveyed Trent Nature Areas for *Fraxinus* sp. in response to local findings of *Agrilus planipennis*

Prescribed Burn Volunteer

Alderville First Nation Black Oak Savanna (Various Dates Between) 2011-2015

- Assisted with prescribed burn control using rakes and backpack water pumps

Wildlife Hospital and Educational Ambassador Volunteer

Wildlife Haven Rehabilitation Centre, Ile des Chênes, Manitoba 2013-2014

- Performed routine care of birds and mammals, including cage cleaning and meal preparation, assessments, injection and tubing of medications and fluids, feeding, wound care, and record keeping
- Educational outreach presentations with raptor, reptilian, and amphibian wildlife ambassadors

Dutch Trig Injections

Rutter Urban Forestry, Thunder Bay, Ontario 2012

- Assisted with the immunization of *Ulmus* sp. against Dutch Elm Disease

Past Founding President

Trent University Student Chapter of the Wildlife Society 2011-2012

- Worked with graduate and faculty advisors and the Wildlife Society to establish a local student chapter
- **Elected president in the first election**
- Chaired chapter and committee meetings and prepared agendas
- Established relationships with local community groups and experts, and networked with regional, national, and international organizations
- Planned and oversaw workshops (e.g., wildlife tracking, bird specimen preparation, introduction to R), presentations and guest speakers (e.g., the Kawartha Turtle Trauma Centre), certifications (e.g., Firearms Safety and Hunter Education), and networking events

Orphanage Volunteer

St. Paul's Children's Home, O'ngata Rongai, Kenya 2007-2008

Volunteer Internship Community Development Africa and the Global Volunteer Network

- Assisted with the daily care of approximately 50 orphans and taught at a small, private pre-unit school

TRAINING AND CERTIFICATIONS

Ontario Master Naturalist Program Certification 2017

SDG Academy Sustainable Cities Certificate with Distinction 2017

Firearm Safety Certification, PAL, and Hunter Education Certification 2012

Trent University Animal Care Modules 1-3 and Biosafety Training 2012

SP102 Forest Industry Wildland Firefighting 2008

Aquatic Supervisor Training 2008

Standard First Aid, CPR-C, and Automated External Defibrillation (No Longer Current)