

## Christina Bourne, B. Sc. (Hons)

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### Education:

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*May 2007 – present*

*M.Sc. Biology – Memorial University of Newfoundland*

- Proposed Thesis: The Effects of Culverts on Fish Passability: Measuring Overall Stream Network Connectivity as an Indicator of Ecological Integrity
- Supervisors: Dr. Y. Wiersma(MUN) and Dr. S. Peake (UNB)
- Completed courses: Generalized Linear Models in Biology; Advanced and Applied Geographic Information Systems

*Sept. 2000 – May 2005*

*B.Sc. (Hons.) Biology – Memorial University of Newfoundland*

- Dissertation: Factors Affecting Colony Attendance of Least and Crested Auklets on Buldir and Kiska Islands, Aleutian Islands, Alaska, from 1992-2004
- Supervisor: Dr. Ian L. Jones (MUN)
- Overall GPA: 3.51

*Sept. 1997 – June 2000*

*Queen Elizabeth Regional High School – Foxtrap, Newfoundland*

- Overall academic average: 92%
- Completed Advanced Placement math and chemistry

### Achievements and Awards:

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*April 2008*

Presented at Memorial University's Biology Graduate Student Symposium: "The effects of culverts on fish passability, stream network connectivity and ecological integrity"

*Feb. 2008*

Presented poster at Memorial University's annual GIS day: "Using a GIS to Model the Hydrology of Terra Nova National Park"

*May 2004*

Received NTSP (Northern Scientific Training Program) research grant

*Sep. 2000*

Received Memorial University Morgan entrance scholarship

*June 2000*

Awarded bursaries for achievements in Language Arts and overall academic excellence from Queen Elizabeth Regional High School

## Employment:

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- Sept. 2007 – present*      *Teaching Assistant – Department of Biology, Memorial University*
- Provide support and instruction to students in undergraduate biology laboratories (Animal Physiology and Cell Biology)
- Sept. 2007 – present*      *Graduate Writing Tutor – Writing Centre, Memorial University*
- Assist undergraduate and graduate students with improving their academic writing skills
  - Help centre director to train and evaluate new tutors
- Aug. 2002 – Dec. 2007*      *Customer Service Representative – The Works*
- Provided information and assistance to users of a large recreation complex
- May – Aug. 2004*      *Field Assistant – Department of Biology, Memorial University*
- Conducted sea bird research and monitoring on Buldir Island, Alaska (Alaskan Maritime National Wildlife Reserve)
  - Assisted with ongoing Memorial University and US Fish and Wildlife Service research projects, while conducting an independent honours project
- April – Sept. 2003*      *Visitor Services – Memorial University Botanical Garden*

## Skills and Interests:

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Extensive experience with ArcGIS (including Arc Hydro) and Fish Xing programs  
Experience using R statistical software  
Member of NEIA (Newfoundland and Labrador Environmental Industry Association)  
Certified at level 2 TOGA (Teaching Opportunities for Graduate Assistance)  
Member of Memorial University's Biology Graduate Student Association  
Volunteer with the Heavenly Creatures (animal rescue organization)  
Member of the Newfoundland Athletic Dog Association

## References:

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Dr. Yolanda Wiersma  
*M.Sc. supervisor*  
Memorial University  
Department of Biology  
(709) 737-7499  
[ywiersma@mun.ca](mailto:ywiersma@mun.ca)

Virginia Ryan  
*Writing Centre director*  
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Writing Centre  
(709) 737-3168  
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Dr. Ian L. Jones  
*B.Sc. honors supervisor*  
Memorial University  
Department of Biology  
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