


DAVID BARRETT

403.404.0562 

dcbarratt@gmail.com 

www.linkedin.com/in/dcbarratt 

www.dbarrett.ca 



OBJECTIVE

Experienced freshwater scientist with wide-ranging environmental science and consulting expertise seeking to use my skills and scientific experience for the benefit of Albertans.



SKILLS

- Innovative scientific experimental design
- Scientific and professional writing
- Geospatial analytical expertise and knowledge of relevant practices/programs
- Strong interpersonal and teamwork skills
- Knowledge of government programs and frameworks for freshwater systems
- Project and fund management
- Large data set analysis, evaluation and interpretation
- Experience in cumulative effects science and research
- Supervision of research staff
- Field sampling in remote and challenging environments



EDUCATION

Doctor of Philosophy (ABD) | University of Victoria

2013 – 2018 (EXPECTED)

Completing a PhD in the Geography Department at the Water and Climate Impacts Research Centre (UVic) in collaboration with the Aquatic Ecology Lab (UofC)

Master of Science | University of Regina

2011 – 2013

MSc in the Geography Department at the Prairie Environmental Process Laboratory



EXPERIENCE

Visiting Scholar | University of Calgary

SEPT 2015 – CURRENT

Responsible for the design, planning and delivery of a funded research project at the University of Calgary Eco-Reserve evaluating the connection between climate change and winter water quality in lentic systems. Delivery includes field sample collection, processing and analysis. Additionally, responsible for applying for and collaboratively managing research budgets and staff.

Environmental Consultant | Sole-proprietor

MAR 2015 – CURRENT

Completed numerous contracts for a variety of clients, including the governments at the federal, provincial and municipal level. This has included multiple contracts with Alberta Environment and Parks (EMSD) with relation to freshwater quality reporting (Lower Athabasca Region Framework) and scientific synthesis projects (Castle Mountain protected area).

Agroclimate Analyst | Agriculture and AgriFood Canada

APR 2016 – CURRENT

Focused on producing and exploring experimental data products based on emerging climatic data and infrastructure. This includes the use of remotely sensed data, a variety of GIS skills and data manipulation in conjunction with basic command line programming and python scripting. Also responsible for delivery of operational products with direct effects on stakeholders and policy.

Research Associate | Water and Climate Impacts Research Centre

NOV 2013 – JAN 2017

Responsible for extensive scientific literature reviews, report writing and project support in conjunction with Environment and Climate Change Canada research scientists and staff members. Also responsible for critically reviewing and authoring literature relevant to climate change and its impacts on northern freshwater systems for government reports and peer-reviewed journals.

Sessional Instructor, TA and TA Consultant | University of Victoria

AUG 2014 – MAY 2015 & AUGUST 2017

Wide range of responsibilities in different roles within the Geography department at the University of Victoria. Responsible for a variety of undergraduate-focused teaching and evaluation related tasks. Most recently appointed as a sessional instructor to teach a 3rd year course in August, including development of course material, delivery and evaluation of student success. Previous responsibilities include supporting the departmental TA's through educational opportunities and workshops as well as delivering lab component of various courses.

Research Assistant | Prairie Environmental Process Laboratory

SEPT 2011 – APRIL 2013

Conducted extensive field and lab-based analytical work on water quality experiments and monitoring in a range of lentic environments (high alpine to agricultural). Prepared scientific manuscripts and presented and presented research findings to various audiences.



VOLUNTEER AND OTHER EXPERIENCE

Volunteer experience

CURRENT

- Stakeholder Engagement Committee member – Bow River Basin Council (provincial watershed planning and advisory council)
- Mentor – Big Brother Big Sister Foundation of Calgary
- Director of volunteers and events – Renfrew Community Association

PREVIOUS

- Director of Search and Rescue – Peninsula Emergency Measures Organization
- Ski patroller and first aid provider – Canadian Ski Patrol
- Ground Searcher – Prince George Search and Rescue
- Past President - University of Regina Geography Students Association
- Founding and executive member – UNBC Chapter of The Wildlife Society

Professional Memberships

- Canadian Water Resources Association
- Canadian Association of Geographers
- Society of Canadian Limnologists
- American Geophysical Union
- Canadian Geomorphology Research Group