Charlotte Ballantyne, BSc

Climate Data Analyst, Pacific Climate Impacts Consortium

EDUCATION

2014-2018: **University of Victoria** - Victoria, Canada

B.Sc. Physical Geography

Thesis: Modelling Climate Change Impacts on Lodgepole Pine Populations in British Columbia

EMPLOYMENT

December 2018-Present: Climate Data Analyst, Pacific Climate Impacts Consortium

- Worked on increasing data availability for PRISM climate modelling
- Wrote quality control code for climatological data
- Calculated climatic elements for the National Building Code of Canada

July 2018-August 2018: Undergraduate Student Contract, Department of Geography, University Of Victoria

- Created an app-based tour of the Indigenous Monuments of Oak Bay
- Created a webmap of soil quality samples collected from around the CRD for Healing City Soils

May 2017-August 2017: Field and Weather Station Technician, Kalamalka Forestry Centre, Ministry of Forests, Lands, Natural Resource Operations, and Rural Development

- Traveled to field sites to perform maintenance on weather stations and collect data
- Performed quality control on collected data
- Analyzed climate variability in BC's current seed planning zones in order to assess if seed zones are suitably climatically homogeneous

May 2016-August 2016: Fire and Vegetation Management Crew Member, Jasper National Park, Parks Canada

- Performed environmental restoration activities around Jasper National Park
- Wrote a summary of campground restoration activities including what worked well, potential improvements, and suggestions for future similar projects
- Planned and carried out overnight trips into the backcountry for work related activities

PRESENTATIONS

Posters:

- Ballantyne, Charlotte. "Composite Station Methodology for Studying Snow Depth Extremes over Canada". Canadian Association of Geographers, Victoria, BC, May 25th-28th, 2020. Conference cancelled.