

Interests

Professional: Community ecology, anthropogenic stressors, ecosystem restoration.

Personal: Tramping, mountaineering, rock climbing, mountain biking, watersports, and guitar.

Education

2012–2014 **Masters of Science (Hons) 2:1** **University Of Canterbury**
Thesis: Nitrate-nitrogen effects on benthic invertebrate communities in streams of the Canterbury Plains. Supervised by Jon Harding & David Kelly (Ecan) (A-).

2009–2011 **Bachelor of Science (ecology endorsement)** **University Of Canterbury**

Other Qualifications

- NZ Full Drivers License
- St John First Aid Level 2
- NIWA electric fishing machine certification of operation

Professional Experience

May 2016 **Freshwater Ecology Research Group** **Technician**
Research Assistant - 3 months

- Processing algal samples to determine AFDM (part-time).
- Writing manuscript from Masters Thesis.
- NZFSS conference oral presentation preparation.

Apr 2015 **EOS Ecology** **Consultancy**
Aquatic Ecology Technician - 13 months

- Collected aquatic, terrestrial and marine data according to field methodologies.
- Proficiently identified New Zealand aquatic invertebrate and fish species.
- Gained experience in applied ecology: monitoring, mitigation, and enhancement.

Oct 2014 **Freshwater Ecology Research Group** **Research**
Research Assistant - 6 months

- Bioreactor laboratory experiment research, design, and construction. Operated and maintained experiment, measured variables, and analysed data.
- Performed environmental monitoring of CAREX demonstration stream sites.
- Assisted Ph.D. students with remote data collection in Westland and Canterbury.

Sep 2014 **Golder Associates** **Consultancy**
Aquatic Ecology Technician - 2 weeks

- One-off contract identifying Banks Peninsula invertebrates.

Sep 2012 **AsureQuality** **Laboratory**
Technical Assistant - 2 months

- Part-time job determining seed yields.

Science Communication

- Nov 2014 **Oral Presentations** **Water Symposium & Waterways Postgraduate Student Conference 2014**
Masters Thesis research update.
- Oct 2014 **Science Outreach Program for Maori Students** **University Of Canterbury**
Teaching and mentoring high school pupils.
- Feb 2012 **Research report** **Prepared for Environment Canterbury**
Preliminary investigations on nitrate-nitrogen effects on benthic invertebrate and fish communities in Canterbury streams.

Scholarship Awards

- 2013 **Environment Canterbury Postgraduate Scholarship** **\$14,000**
Awarded for study in resource management/science.
- 2011 **University Of Canterbury Summer Scholarship** **\$5,000**
Awarded for undertaking a supervised research project.

Outdoor Experience

- 2008-2016 **Tramping and Mountaineering** **Canterbury University Tramping Club**
Bushcraft, snow craft, river-crossing, off-track navigation, survival, decision-making, leadership and trip organisation skills.
- 2013-2016 **Whitewater Sports** **Bug Sports Club**
River-reading, decision-making, and trip leadership skills.
- May 2015 **Pest trapping** **Department of Conservation**
Andrews valley mammal control.

Volunteer work

- Sep 2015 **Pillars Mentor** **Charity**
Mentoring a child who has a parent in prison.
- 2013 **Biology Society: BIOSOC** **University Of Canterbury**
President and co-founder
 - Led event organisation, assisted with training, liaised with collaborators and promoted positive communication and committee feedback.

Referees

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