

Leonie Clitherow

Doctoral Researcher

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About

Title of PhD: Terrestrial invertebrates and their subsidies to stream communities across floodplains in watersheds of different ages in Glacier Bay, Alaska

Supervisors: [Alexander Milner \(/staff/profiles/gees/milner-alexander.aspx\)](/staff/profiles/gees/milner-alexander.aspx), [Jonathan Sadler \(/staff/profiles/gees/sadler-jon.aspx\)](/staff/profiles/gees/sadler-jon.aspx)

Leonie Clitherow is undertaking doctoral research characterizing the reciprocal subsidies between the freshwater and terrestrial environments across sites of different ages in Glacier Bay, Alaska, through food web studies. She is also interested in investigating how the terrestrial invertebrate assemblages change over time since glacial recession, with particular emphasis on carabid beetles.

Qualifications

BSc Environmental Science with professional placement abroad (New Zealand), University of Birmingham (First Class Honours)

MRes Biodiversity and Conservation, University of Leeds (Distinction)

Biography

Leonie Clitherow studied Environmental Science at the University of Birmingham. In her third year she travelled to New Zealand to work with the National Institute of Water and Atmospheric Research (NIWA), where she completed her undergraduate dissertation research into freshwater invertebrate assemblages on macrophytes in lowland streams. Before starting her fourth year, Leonie spent one month in Lyon (France) assisting with field and lab work at CEMAGREF (now IRSTEA: Institut national de recherche en sciences et technologies pour l'environnement et l'agriculture). After graduating she completed a Masters of Research in Biodiversity and Conservation at the University of Leeds, where her dissertations focused on food webs in a glacial stream in Austria as well as characterizing beetle communities in Glacier Bay, Alaska.

Research

Research interests

- Freshwater Ecology
- Food webs
- Aquatic-terrestrial linkages
- Glacial environments

Publications

Clitherow L.R., Carrivick J. & Brown L.E. (*in press*) Food Web Structure in a Harsh Glacier-fed River, *PLOS ONE*, accepted: currently in production