

Svein Harald Sønderland

Doctoral Researcher

[School of Geography, Earth and Environmental Sciences \(/schools/gees/index.aspx\)](/schools/gees/index.aspx)

Contact details

Email snarrald@gmail.com (<mailto:snarrald@gmail.com>)

School of Geography, Earth and Environmental Sciences
University of Birmingham
Edgbaston
Birmingham
B15 2TT
UK



About

Title of PhD: Diet of juvenile salmonids in watersheds with different riparian age and characteristics

Supervisors: [Professor Alexander Milner \(/staff/profiles/gees/milner-alexander.aspx\)](/staff/profiles/gees/milner-alexander.aspx) and [Dr Mark Ledger \(/staff/profiles/gees/ledger-mark.aspx\)](/staff/profiles/gees/ledger-mark.aspx)

Svein Harald Sønderland is undertaking his doctoral research in Glacier Bay National Park, in southeast Alaska. Here he is investigating the diet of juvenile coho salmon and Dolly Varden in six streams of different ages after deglaciation and their relative use of instream and terrestrial food sources. Stable isotope analysis is being used to assess these carbon sources and the role of marine derived nutrients in food webs.

Qualifications

MS (Zoology) Norwegian University of Life Science 2006

Biography

2010 – Present: PhD studies at the University of Birmingham
2007-2009: Process Engineer at Saint Gobain Grains and Powder
1999-2006: MS in Zoology at Norwegian University of Life Science

Research

Research interests

- Aquatic zoology
- Arctic and alpine river systems
- Extremophile zoology
- Aquatic fish
- Glacial environments
- Colonization and succession of new landforms

Publications

Milner, Alexander M., Anne L. Robertson, Lee E. Brown, Svein Harald Sønderland, Michael McDermott, and Amanda J. Veal. 2011. Evolution of a stream ecosystem in recently deglaciated terrain. *Ecology* 92:1924–1935.

H.K. Lin, D.E. Walsh, S.H.Sønderland, C. Bissue, and A. Debrah. 2008 “Flotability of metallic iron fines from comminution circuits and their effect on flotation of a sulfide ore.” *Minerals and Metallurgical Processing*. Vol. 25, No. 4, pp. 206-210.