

CURRENT POSITION

Postdoctoral Fellow
School of Resource and Environmental Management
Faculty of Environment
Simon Fraser University

EDUCATION

Simon Fraser University, Ph.D., *Ecology* (2011)
University of Victoria, B.Sc., *Biology (with Distinction)* (2004)
Bamfield Marine Sciences Center, *Fall Program* (2003)

HONOURS

- Mathematics of Information Technology and Complex Systems Internship (2011)
- President's Research Stipend (2010)
- Graduate Scholarship in Coastal Studies (2010)
- NSERC Postgraduate Scholarship D (2009-2011)
- J. Abbott/M. Fretwell Graduate Fellowship in Fisheries Biology (2009)
- Garfield Weston Foundation / B.C. Packers Ltd. Graduate Fellowship in Marine Sciences (2008)
- Graduate Fellowship, Simon Fraser University (2008)
- NSERC Industrial Postgraduate Scholarship I (2005-2007)
- Bamfield Marine Station Scholarship (2004)

MEMBERSHIPS

- American Association for the Advancement of Science
- Animal Behavior Society
- American Fisheries Society
- Canadian Society for Ecology and Evolution
- Society for Conservation Biology

COMMUNICATIONS***Peer-reviewed publications***

Krkosek M., **Connors B. M.**, Lewis M.A. and R. Poulin. (In review). Mate limitation of parasites dampens disease dynamics in a coastal marine ecosystem.

Krkosek M., **Connors B. M.**, Morton A., Lewis M.A., Dill L.M. and R. Hilborn. (In press). Effects of parasites from salmon farms on productivity of wild salmon. Proceedings of the National Academy of Sciences.

McConnell A, Routledge R., and **Connors B.M.** (In press). The effect of artificial light on marine invertebrate and fish abundance in an area of active salmon farming. Marine Ecology Progress Series.

Connors B.M., Lagasse C. and L.M. Dill. 2011. What's love got to do with it? Ontogenetic changes in drivers of dispersal in a marine ectoparasite. Behavioral Ecology. **22**: 588-593.

Krkosek M., **Connors B. M.**, Ford H., Peacock S., Mages P., Ford J. S., Morton A., Volpe J. P., Dill L. M., and M.A. Lewis. 2011. Fish farms, predators and parasites: Implications for salmon population dynamics. Ecological Applications. **21**: 897-914.

Connors B.M., Krkosek M., Ford J., and L.M. Dill. 2010. Coho salmon productivity in relation to salmon lice from infected prey and salmon farms. Journal of Applied Ecology. **47**: 1372-1377.

Connors B.M., Hargreaves B., Jones S.R.M. and L.M. Dill. 2010. Predation intensifies parasite exposure in a salmonid food chain. Journal of Applied Ecology. **47**: 1365-1371.

Dill L.M., Losos C., **Connors B.M.**, and P Mages. 2009. Comment on Beamish *et al.* (2005) "A proposed life history strategy for the salmon louse, *Lepeophtheirus salmonis* in the subarctic Pacific". Aquaculture **286**: 154-155.

Connors B.M., Krkosek M., and L.M. Dill. 2008. Sea lice escape predation on their host. Biology Letters **4**: 455-457.

Connors B. M., E. Juarez-Colunga, and L. M. Dill. 2008. Effects of varying salinities on *Lepeophtheirus salmonis* survival on juvenile pink and chum salmon. Journal of Fish Biology **72**: 1825-183.

Conference presentations

Connors, B.M., and D. Braun. Competition, disease and the big, bad ocean: drivers of declines in Fraser River sockeye salmon. January 2011. Interdisciplinary Ecology of Aquatic Systems Symposium. *****Honorable mention for best talk*****

Connors, B.M. Aquaculture impacts on early marine interactions between salmonids: from individual behaviour to population dynamics. May 2010, Ecological and Evolutionary Ethology of Fishes. *****Jack Ward award for best talk*****

Connors, B.M., Hargreaves, B., Jones, S.R.M. and L.M. Dill. Evidence of sea louse trophic transmission in coastal British Columbia. May 2010, International Sea Louse Conference.

Connors, B.M. Coho salmon productivity in relation to salmon aquaculture. March 2010,

American Fisheries Society WA-BC chapter AGM.

Connors, B.M. Coho salmon productivity in relation to salmon aquaculture in British Columbia. January 2010, Interdisciplinary Ecology of Aquatic Systems Symposium.

Connors, B.M. Aquaculture and salmonid predator-prey interactions: lessons from the Broughton archipelago. February 2009, Pacific Ecology and Evolution Conference.
*****Best talk award*****

Connors, B.M. Does salmon aquaculture mediate early marine interactions among salmonids and their population dynamics? January 2009, Interdisciplinary Ecology of Aquatic Systems Symposium. *****Runner-up best talk award*****

Connors, B.M., Lagasse C. Why sea lice disperse. November 2008, Ecology and Evolution Retreat.

Connors, B.M., Krkosek, M. and L.M. Dill. Trophic transmission of *Lepeophtheirus salmonis* in Pacific salmon. May 2008, Canadian Society for Ecology and Evolution.

Connors, B.M., Krkosek, M. and L.M. Dill. Trophic transmission of *Lepeophtheirus salmonis* in Pacific salmon. March 2008, International Sea Louse Conference.

Connors, B.M. Trophic transmission of sea lice in Pacific salmon. February 2008, Pacific Ecology and Evolution Conference.

Connors, B.M., Krkosek, M. and L.M. Dill. Parasite induced susceptibility to predation and trophic transmission in the sea louse (*Lepeophtheirus salmonis*) – pink salmon (*Oncorhynchus gorbuscha*) host-parasite system. March 2007, Pacific Ecology and Evolution Conference.

Invited talks

Sea lice and wild salmon declines: fact or fiction? April 2011, Center for Coastal Studies, Simon Fraser University.

Competition, disease and the big bad ocean: what drives declines in Fraser River sockeye salmon? March 2011, University of Alberta.

Emerging infectious disease, salmon aquaculture and lessons from the Broughton Archipelago. October 2009, Population dynamics, Simon Fraser University.

Aquaculture, early marine interactions among salmonids and their population dynamics. April 2009, Les Ecologists, Simon Fraser University.

Aquaculture, sea lice and recreational fishing. March 2008, Totems Fly Fishing Association.

Salmon aquaculture: lessons from the Broughton archipelago. November 2008, Environmental Science, Capilano University.

Patterns of movement and dispersal in sea lice. June 2007, Bamfield Marine Sciences Center,

Sea lice, salmon farming and wild salmon. March 2007, Population Dynamics, Simon Fraser University.

TEACHING AND SUPERVISORY EXPERIENCE

- Supervised NSERC undergraduate research award holders (3) and independent study students (1) (2007-Present)
- Guest lecturer: Disease ecology, Introduction to Ecology, Animal Ecology, Population Dynamics, Environmental Stewardship, Marine Behavioural Ecology (2008-Present)
- Teaching Assistant, Introduction to Ecology (2008)

ACADEMIC SERVICE

- Seminar organizer, Les Ecologistes, Simon Fraser University (2010)
- Organizer, Salmonids at SFU, a monthly seminar on salmonid research (2010)
- Co-organizer, Interdisciplinary Ecology of Aquatic Systems Symposium, Simon Fraser University (2009)
- Graduate student mentor (2006, 2007, 2008, 2009)
- Reviewer, Canadian Journal of Fisheries and Aquatic Sciences and Current Zoology (2009-Present)
- Organizer, Pacific Ecology and Evolution Conference, Bamfield Marine Science Center (2008)
- Graduate representative, Departmental Scholarship Committee, Biology Department, Simon Fraser University (2006-2008)