

Braden J. Judson

Nanaimo, British Columbia
May 2024

Education

- 2019 • **Vancouver Island University**
B.Sc. in Biology
- 2022 • **University of Guelph**
M.Sc. in Biology
Thesis title: The role of neutral and adaptive evolutionary processes on patterns of genetic diversity across small cave-dwelling populations of Icelandic Arctic charr (*Salvelinus alpinus*).
Advised by Dr. Moira M. Ferguson

Professional Experience

- 11/23
|
Current • **Biologist**
Department of Fisheries and Oceans Canada, Conservation Genetics and Physiology Laboratory
 - Conducting bioinformatics analyses on multiple large-scale genomic and transcriptomic datasets centered around the conservation and management of Pacific salmonids
- 09/2022
|
11/2023 • **Aquatic Biologist**
Department of Fisheries and Oceans Canada, Salmon in Regional Ecosystems Project
 - Tidying, managing, and analyzing large and unwieldy fish population and limnology datasets
 - Drafting and editing technical documents, reports and research manuscripts
- 04/2023
|
09/2023 • **Field Naturalist**
University of Victoria and Simon Fraser University's BC Parks iNaturalist Project
 - Conducting photography-based biodiversity surveys through BC
 - Working as a team to complete remote and long-term field work
- 09/2021
|
04/2022 • **Graduate Teaching Assistant**
University of Guelph
 - ZOOL*4910: Integrative Vertebrate Biology, with Dr. Liz Mandeville
 - BIOL*1070: Discovering Biodiversity, with Dr. Lisa Robertson
- 04/2019
|
08/2019 • **Field Technician**
Cowichan Valley Naturalists' Society's *Bring Back the Bluebirds Project*
 - Monitoring the survival, reproduction, and behaviour of Western Bluebirds while coordinating a team of volunteers for stewardship and restoration activities
 - Drafting technical reports and writing grant applications
- 04/2018
|
09/2018 • **Research Assistant**
Vancouver Island University as part of Dr. Dan Baker's NSERC Discovery Grant studying thermal physiology of early life history white sturgeon (*Acipenser transmontanus*)
 - Conducting experimental aquaculture techniques for sturgeon eggs, larvae and juveniles and conducting physiology experiments

Contact Info

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Profiles

 [iNaturalist.com/BradenJudson](https://www.inaturalist.org/people/BradenJudson)

 [eBird.ca/BradenJudson](https://ebird.ca/BradenJudson)

 github.com/BradenJudson

References

Athena Ogden, Ph.D

athena.ogden@dfo-mpo.gc.ca

Acting of Head Salmon in Regional Ecosystems Project, DFO

Moira Ferguson, Ph.D

mmfergus@uoguelph.ca

Professor Emeritus, University of Guelph

Brian Starzomski, Ph.D

starzom@uvic.ca

Ian McTaggart Cowan Professor, University of Victoria
BC Parks iNaturalist Project Co-chair

Eric Demers, Ph.D

Eric.Demers@viu.ca

Professor, Vancouver Island University

04/2016
|
09/2017

Field Technician

D.R. Clough Environmental Consulting

- Drafting permits and reports for ecological restoration and monitoring projects
- Safely performing remote field work inventorying salmonids and assessing fish habitats throughout BC

Publications

2024

• The role of neutral and adaptive evolutionary processes on patterns of genetic diversity across small cave-dwelling populations of Icelandic Arctic charr, *Salvelinus alpinus*

Ecology and Evolution, 14:e11363, DOI: [10.1002/ece3.11363](https://doi.org/10.1002/ece3.11363)

Judson, B.J., Kristjánsson, B.K., Leblanc, C. A-L., and Ferguson, M.M.

2023

• Age-composition, size, migration timing, and estimation of smolt to adult survival of natural-origin Sockeye Salmon (*Oncorhynchus nerka*) in the Wenatchee River (WA) watershed (1997 - 2019)

Canadian Manuscript Report of Fisheries and Aquatic Sciences: 3269: xii + 43p.

Judson, B.J., Willard, C., and Stiff, H.

2023

• Together for Wildlife Goal 2, Action 6: A Community Science Framework for Together for Wildlife.

Available from the Government of British Columbia's [Together for Wildlife - Goal 2 webpage](#).

Judson, B.J., Carr, J.K., and Starzomski, B.M.

Publications in Preparation

N/A

2023
in prep

Judson, B.J., Kristjánsson, B., Leblanc, C., and Ferguson, M.

2024
in prep

• Reconstruction of parr age composition for Sockeye Salmon (*Oncorhynchus nerka*) in Osoyoos Lake, Canada

PLoS One

Akenhead, S.A., and Judson, B.J

2023
in prep

• Osoyoos Lake Sockeye Salmon (*Oncorhynchus nerka*) recruit abundance, adult age composition, and marine survival (1985 - 2019)

Canadian Manuscript Report of Fisheries and Aquatic Sciences

Bailey, C.J., Stiff, H.S., Judson, B.J., and Ogden, A.

Presentations

March,
2023

• BC Parks iNaturalist Project 2023: Highlight botanicals from Tweedsmuir Provincial Park

Victoria Natural History Society

📍 Virtual

February,
2023

• The effects of neutral and adaptive evolutionary processes on genetic and phenotypic variation in small populations of Icelandic Arctic charr (*Salvelinus alpinus*)

Canadian Conference for Fisheries Research

📍 Vancouver, BC

February,
2019

• Population demographics and diet content analysis of a residential population of Coastal Cutthroat Trout (*Oncorhynchus clarkii clarkii*) in upper Shelly Creek, Parksville, British Columbia

Pacific Ecology and Evolution Conference

📍 Bamfield, BC

Awards

Spring
2020

● **Canada Graduate Scholarship - Master's Program**
National Science and Engineering Research Council of Canada
\$17,500 for 12 months

Fall 2019

● **Orville Erickson Memorial Fund Scholarship**
Canadian Wildlife Federation
\$1,500

Summer
2016

● **George Alvin Fairhurst Memorial Scholarship**
Vancouver Island University
\$2,000

Spring
2019

● **David Gaumont-Guay Legacy Award**
Vancouver Island University's Department of Biology
\$1,000

Summer
2018

● **Ryan Cathers Memorial Award**
Vancouver Island University's Department of Biology
\$1,000

Summer
2016

● **Pacific Salmon Foundation Stewardship Community Bursary**
Pacific Salmon Foundation
\$2,000