

Braden J. Judson

Nanaimo, British Columbia
July 2023

Education

- 2019 • **Vancouver Island University**
B.Sc. in Biology
GPA: 3.97/4.33
- 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

- 09/2022
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Current • **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
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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
 - Coordinating 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
 - Working independently on developing physiology experiments



Contact Info

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Profiles

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

 [eBird.ca/BradenJudson](https://ebird.org/people/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 fish assessing fish habitats throughout BC

Publications in Preparation

2023
in prep

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

Molecular Ecology

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

2023
in prep

Some Comparisons of Population Dynamics of Sockeye Salmon (*Oncorhynchus nerka* Walbaum, 1792) in Two Columbia River Populations: Osoyoos Lake and Lake Wenatchee

Canadian Manuscript Report of Fisheries and Aquatic Sciences

Akenhead, S.A., Stiff, H., Judson, B.J., and Ogden, A.D

2023
in prep

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

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

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.

Publications

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.

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

Spring
2019

David Gaumont-Guay Legacy Award

Vancouver Island University's Department of Biology
\$1,000

Fall 2019

● **Orville Erickson Memorial Fund
Scholarship**

Canadian Wildlife Federation

\$1,500

Summer
2016

● **George Alvin Fairhurst Memorial
Scholarship**

Vancouver Island University

\$2,000

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