

Braden J. Judson

Nanaimo, British Columbia
April 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 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

BradenJudson95@gmail.com

+1 250-802-2449

Profiles

 iNaturalist.com/BradenJudson

 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

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

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*

Ecology and Evolution (Manuscript ID: ECE-2024-02-00377)

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

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