

# Braden J. Judson

Nanaimo, British Columbia  
October 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 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
- 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

## 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](https://github.com/BradenJudson)

## References

**Athena Ogden, Ph.D**

[athena.ogden@dfo-mpo.gc.ca](mailto:athena.ogden@dfo-mpo.gc.ca)

Acting of Head Salmon in Regional Ecosystems Project, DFO

**Moira Ferguson, Ph.D**

[mmfergus@uoguelph.ca](mailto:mmfergus@uoguelph.ca)

Professor Emeritus, University of Guelph

**Brian Starzomski, Ph.D**

[starzom@uvic.ca](mailto:starzom@uvic.ca)

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

**Eric Demers, Ph.D**

[Eric.Demers@viu.ca](mailto:Eric.Demers@viu.ca)

Professor, Vancouver Island University




## 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***  
Molecular Ecology (Manuscript ID: MEC-23-0958)  
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 ● **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

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| Spring 2020 ● <b>Canada Graduate Scholarship - Master's Program</b><br>National Science and Engineering Research Council of Canada<br>\$17,500 for 12 months | Spring 2019 ● <b>David Gaumont-Guay Legacy Award</b><br>Vancouver Island University's Department of Biology<br>\$1,000 |
| Fall 2019 ● <b>Orville Erickson Memorial Fund Scholarship</b><br>Canadian Wildlife Federation<br>\$1,500   | Summer 2018 ● <b>Ryan Cathers Memorial Award</b><br>Vancouver Island University's Department of Biology<br>\$1,000     |

Summer  
2016

● **George Alvin Fairhurst Memorial  
Scholarship**

Vancouver Island University

\$2,000

Summer  
2016

● **Pacific Salmon Foundation Stewardship  
Community Bursary**

Pacific Salmon Foundation

\$2,000