Brett Johnson

\begin{right} \end{center}

==========

Quadra Island Ecological Observatory
Hakai Institute
PO Box 631
Heriot Bay, British Columbia, Canada
V0P 1H0
Brett.Johnson@hakai.org

Professional experience

2018–Present Scientific Data Specialist
Ecological Information Management and Canadian Integrated Ocean Observing Systems, Hakai Institute, Tula Foundation, Heriot Bay, BC, Canada

2015–2018 Program Biologist
Juvenile Salmon Program, Hakai Institute, Tula Foundation, Heriot Bay, BC, Canada

2014–2015 Research Assistant
Cutthroat Trout Estuarine Ecology, University of Northern British Columbia, Prince George, BC, Canada

2008–2013 Fish, Wildlife, and Forestry Technician
Lower Seymour Conservation Reserve, Watershed Management Division, Metro Vancouver, North Vancouver, BC, Canada

2004–2008 Engineer
39 Combat Engineer Regiment, Canadian Armed Forces, Department of National Defence, Chilliwack, BC, Canada

Education

2013–2015 Bachelors of Science Fisheries and Wildlife Management
University of Northern British Columbia,
Prince George, BC, Canada

2011–2013 Diploma of Technology Fish, Wildlife, and Recreation
British Columbia Institute of Technology,
Burnaby, BC, Canada

2010–2011 Certificate of Natural Resource Management
British Columbia Institute of Technology,
Burnaby, BC, Canada

2005–2006 Military Occupational Training Courses
Canadian Forces School of Military Engineering,
Gagetown, NB, Canada

Publications

Technical reports

2019 Irvine, J.R., S. Akenhead, T. Beacham, C.M. Deeg, S.C.H. Grant, K.D. Hyatt, C. Holt, B.V.P. Hunt, **B.T. Johnson**, J. King, K.M. Miller, and C. Neville. 2019. *Update on Canadian research relevant to the 2016–2020 NPAFC Science Plan.* NPAFC Doc. 1841. 6 pp. Fisheries and Oceans Canada, University of British Columbia, and Hakai Institute (Available at https://npafc.org).

2019 Johnson, B.T., J.C.L. Gan, S.C. Godwin, M. Krkosek, and B.P.V Hunt. 2019. *Juvenile salmon migration observations in the Discovery Islands and Johnstone Strait in British Columbia, Canada in 2018.* NPAFC Doc. 1838. 21 pp. Hakai Institute, Institute for the Oceans and Fisheries and Department of Earth, Ocean and Atmospheric Sciences, University of British Columbia, Earth to Ocean Research Group, Simon Fraser University, Department of Ecology and Evolutionary Biology, University of Toronto, and Salmon Coast Field Station (Available at https://npafc.org).

2018 Hunt, B.P.V., **B.T. Johnson**, S.C. Godwin, M. Krkosek, E.A. Pakhomov, and L. Rogers. 2018. *The Hakai Institute Juvenile Salmon Program: early life history of sockeye, pink and chum salmon in British Columbia, Canada.* NPAFC Doc. 1788. 14 pp. Institute for the Oceans and Fisheries and Department of Earth, Ocean and Atmospheric Sciences, University of British Columbia, Hakai Institute, Earth to Ocean Research Group, Simon Fraser University, Department of Ecology and Evolutionary Biology, University of Toronto, and Salmon Coast Field Station (Available at http://www.npafc.org).

2018 Johnson, B.T., J.C.L. Gan, C.V. Janusson, and B.P.V. Hunt. 2018. *Juvenile salmon migration dynamics in the Discovery Islands and Johnstone Strait; 2015–2017.* NPAFC Doc. 1790. 10 pp. Hakai Institute, Institute for the Oceans and Fisheries and Department of Earth, Ocean and Atmospheric Sciences, University of British Columbia (Available at http://www.npafc.org)/

Software

2018 Johnson, B.T. *Juvenile Salmon Program Data Explorer.* https://hecate.hakai.org/shiny/JSP/. Web application. Quadra Island, BC, Canada.

2018 Johnson, B.T. `hakaisalmon`: *Hakai Institute Juvenile Salmon Program functions, templates, and helpers.* R package. https://hakaiinstitute.github.io/hakaisalmon/

Books

2017 Johnson, B.T. *Hakai Institute R Stats Guide for Reproducible Analyses.* Quadra Island, BC, Canada.

Academic achievements

2015 Johnson, B.T. Development and evaluation of a new method for assessing migration timing of juvenile Fraser River Sockeye salmon in their early marine phase. BSc. Undergraduate Honours Thesis. University of Northern British Columbia.

2015 Vernon C. Brink Award for the Study of Biological Diversity. University of Northern British Columbia.

2015 Wyerhauser Scholarship. University of Northern British Columbia. University of Northern British Columbia.

2015 Frank Oberle Scholarship. University of Northern British Columbia.
2014 Canfor Annual Award. University of Northern British Columbia.
2013 Entrance scholarship. University of Northern British Columbia.
2010 Entrance scholarship. British Columbia Institute of Technology.

Conference presentations

2019 Johnson, B.T., J.C.L. Gan, C.V. Janusson, B.P.V. Hunt. *Hakai Institute Juvenile Salmon Program Time Series Poster*. Poster presentation at the Salmon Ocean Ecology / North Pacific Anadramous Fisheries Commission Meeting, Portland Oregon.

2019 Johnson, B.T., J.C.L. Gan, C.V. Janusson, B.P.V. Hunt. *Hakai Institute Juvenile Salmon Program 2015–2018 Time Series Poster*. Poster presentation at Fisheries and Oceans Canada State of the Pacific Ocean meeting. Nanaimo, BC, Canada.

2018 Johnson, B.T. Hakai Institute Juvenile Salmon Program. Oral presentation at the Pint of Salmon Science community event held at the Riptide Pub, Campbell River, BC, Canada

2018 Johnson, B.T., J. Jackson, B.P.V. Hunt., A. Hare, W. Evans. *Quadra Island Ecological Observatory; Ocean Conditions, Juvenile Salmon Migrations, and Data Management.* Oral Presentation at the BCSFA Research Priorities Workshop, Courtenay, B.C.

2018 Johnson, B.T., C. Neville, B.P.V. Hunt. *Fine scale migration dynamics of juvenile sockeye in the Discovery Islands, B.C.* Oral presentation at the Salmon Ocean Ecology Meeting. Newport, Oregon.

2017 Hunt, B.P.V., **B.T. Johnson**. *Juvenile Salmon Program update; foraging conditions, migration dynamics, and growth.* Pacific Salmon Foundation Salish Sea Marine Survival Project international conference. Richmond, BC, Canada.

2017 Johnson, B.T., J.C.L. Gan, C.V. Janusson, B.P.V. Hunt. *Hakai Institute Juvenile Salmon Program 2015–2017 Time Series Poster.* Poster presentation at the Pacific Salmon Foundation Salish Sea Marine Survival Project juvenile salmon work group. Nanaimo, BC, Canada.

2017 Johnson, B.T., J.C.L. Gan, C.V. Janusson, B.P.V. Hunt. *Hakai Institute Juvenile Salmon Program 2015–2016 Time Series Poster*. Poster presentation at Fisheries and Oceans Canada State of the Pacific Ocean meeting. Sidney, BC, Canada.

2016 Johnson, B.T. *Hakai Institute Juvenile Salmon Program highlights 2015–2016.* Hakai Institute Research Exchange. Nanaimo, BC, Canada.

2016 Hunt, B.P.V., **B.T. Johnson**. *Juvenile Salmon Program review; ocean conditions fish condition analysis.* Pacific Salmon Foundation Salish Sea Marine Survival Project Canadian meeting. Nanaimo, BC, Canada.

Working groups and workshops

2019 Metadata Task Team. Canadian Integrated Ocean Observing System. Collaboration with Fisheries and Oceans Canada, Ocean Networks Canada, Hakai Institute.

2019 Production methodlogies and measurements for in situ zooplankton. PICES workshop. Oct 12-13, Hakai Institute, Quadra Island, BC.

2019 International Ocean Observation Systems Code Sprint. Oct 8-10, Ann Arbour, MI, USA.

2016–2018 Pacific Salmon Foundation Salish Sea Marine Survival Project *Juvenile salmon work group*

2017–2019 Salmon Migrations and Climate Change Annual Workshop. Pacific Salmon Ecology and Conservation Lab. Dr. Scott Hinch.

Certifications

2018 Data Carpentry Instructor. Course taught by John Simpson. Oct 18-19. Simon Fraser University.

2017 Occupational First Aid Level 1. St. John's Amubulance. February 18. Campbell River, BC.

2010 Swift Water Rescue Technician. Rescue Canada Occupational River Safty Technician Level II. Aug 5. Chilliwack, BC.

2010 Electrofishing Crew Supervisor. Ministry of Environment. North Vancouver, BC.

2010 Chainsaw Technician. Safety Fundamentals. Arboriculture Canada. April 19. North Vancouver, BC.

Skills

Salmon Ecology, Oceanography, Data Science, Research, Field Operations, DevOps, Project Management, Agile, Data Analysis, Data Management, Research Software Engineering