

Hakai Institute Juvenile Salmon Program Report

— Hakai Institute Juvenile Salmon Program —

Highlighted Outputs

Conference presentations and posters

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

Hunt, B.P.V. 2018. *Integrated biogeochemical approaches to full salmon life history analysis.* Salmon Ocean Ecology Meeting. Newport, Oregon. *Oral*

James, S. 2018. *Characterizing the diets of juvenile Fraser River sockeye salmon across ocean regimes in coastal British Columbia.* Salmon Ocean Ecology Meeting. Newport, Oregon. *Oral*

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

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

Johnson, B.T., J.C.L. Gan, C.V. Janusson, B.P.V. Hunt. 2017. *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. *Poster*

Publications

In preparation

Johnson, B.T., J.C.L. Gan, C.V. Janusson, B.P.V. Hunt. 2018. *Hakai Institute Juvenile Salmon Program migration monitoring 2015 – 2017 time series* In preparation for the North Pacific Anadromous Fisheries Commission document reports.

Johnson, B.T., C. Neville, B.P.V. Hunt. 2018. *Fine scale migration dynamics of juvenile sockeye salmon in the Discovery Islands, B.C.* In preparation for Marine and Coastal Fisheries journal.

Data

- Salmon program data restructuring for Hakai EIMS database creation
- Citable data package produced for collaborators
- R package produced for program data and custom functions for summarizing program data
- Salmon program data now in the Hakai Data Portal

Lab and Analysis Progress

Fish dissected

- Since the 2017 field season finished on August 1 2017, 1034 were dissected
- Since the program began exactly 4611 have been dissected.

Samples collected

- Since the program began, 62931 samples have been collected and inventoried
- Since the 2017 field season finished on August 1 2017, 14813 samples have been collected and inventoried from the fish we've dissected.

Samples processed

Inventory

Next Steps

Field season

Acoustic tagging