

J. R. Irvine – Brief CV – 5 October 2010
Research Scientist (SE-RES-04) - Fisheries & Oceans Canada – Pacific
Biological Station – Nanaimo BC

Academic Qualifications

<u>Degree</u>	<u>Year</u>	<u>Discipline</u>	<u>University, Location</u>
Ph.D.	1984	Zoology	Univ. of Otago, New Zealand
M.Sc.	1978	Zoology	Univ. of B.C., Vancouver
B.Sc. Hon	1973	Biology	Univ. of B.C., Vancouver

Employment Record - Since start of B.Sc.

1996 – Present	Research Scientist, Fisheries and Oceans Canada, PBS, Nanaimo
1995-1996	Visiting Research Scientist, Fisheries Dept of Hokkaido, Japan (6 months)
1984-1995	Research Scientist, Fisheries and Oceans Canada, West Van Lab and PBS, Nanaimo
1980-1984	Environmental Consultant (part-time), New Zealand
1977-1980	Aquatic Biologist, BC Hydro and Power Authority, Vancouver
1976-1977	Research Biologist, BC Fish and Wildlife Branch, UBC
1974-1975	Teaching Assistant, UBC (part-time)
1973-1974	Research Assistant, Westwater Research and Institute of Animal Res. Ecology, UBC

Dr. Irvine has authored or co-authored ~50 primary peer-reviewed publications and >120 secondary publications, including those on the next page that deal with the Wild Salmon Policy and/or Fraser River sockeye salmon

J. R. IRVINE – Selected Publications Dealing with WSP and/or Fraser Sockeye Salmon

- Chen, D. G., and J. R. Irvine. 2007. Using Fuzzy Logic to Quantify Climate Change Impacts on Spawner-recruitment Relationships for Fish from the North-eastern Pacific Ocean. Chapter 8 in: Jürgen Kropp and Jürgen Scheffran (eds). Progress of Artificial Intelligence in Sustainability Science. Nova Science Publ. Inc.
https://www.novapublishers.com/catalog/product_info.php?products_id=4989
- Crawford, W.R. and J. R. Irvine (editors). 2008/9/10. State of physical, biological, and selected fishery resources of Pacific Canadian marine ecosystems. DFO Can. Sci. Advis. Sec. Res. Documents available at: <http://www.pac.dfo-mpo.gc.ca/science/psarc-ceesp/osrs/index-eng.htm>
- Eggers, D.M. and J.R. Irvine. 2007. Trends in abundance and biological characteristics for north Pacific sockeye salmon. N. Pac. Anadr. Fish Comm. Bull. 4: 53–75.
- Irvine, J.R. 2009. The successful completion of scientific public policy: lessons learned while developing Canada's Wild Salmon Policy. Environmental Science & Policy **12**(2): 140-148.
- Irvine, J. R. 2009. Canada's Wild Salmon Policy - where is it now, and how to improve the likelihood of its success. Pg. 71-77 in P. Gallagher and L. Wood (Eds), Proceedings Haig-Brown Symposium on Sustaining Wild Salmon: Moving from Words to Action. Continuing Studies in Science and the Centre for Coastal Studies, Simon Fraser University. Available at: <http://www.sfu.ca/cstudies/science/resources/salmon/Haig-BrownProceedings.pdf>
- Irvine, J. R., and G. A. Fraser. 2008. Canada's wild Pacific salmon policy and the maintenance of diversity. American Fisheries Society Symposium 49:391-398.
- Irvine, J. R., M. R. Gross, C. C. Wood, L. B. Holtby, N. D. Schubert, and P. G. Amiro. 2005. Canada's Species at Risk Act: an opportunity to protect "endangered" salmon. Fisheries 30 (12): 11-19.
- Irvine, J.R. and B.E. Riddell. 2007. Salmon as status indicators for North Pacific ecosystems. N. Pac. Anadr. Fish Comm. Bull. 4: 285-287.
- Rand, P.S., C.P. Kellon, X. Augerot, M. Goslin, J.R. Irvine and G.T. Ruggerone. 2007. Comparison of sockeye salmon (*Oncorhynchus nerka*) monitoring in the Fraser River basin, British Columbia, Canada and Bristol Bay, Alaska, USA. N. Pac. Anadr. Fish Comm. Bull. 4: 271-284.