

Robyn Irvine

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Background

- Adjunct Professor at the University of British Columbia (Okanagan).
- Registered Professional Biologist with College of Applied Biology, British Columbia.

Education

1996 BSc (Hons) in Biological Sciences
2004 PhD in Statistical Ecology

Guelph
Calgary

Career

2004 Statistical Ecologist
2008 Statistical Ecologist
2015 Conservation and Restoration Project Manager
2020 Restoration Ecologist

Golder Associates
Poisson Consulting
Parks Canada
Parks Canada

Key Publications

1. LaMontagne, JM, RL Irvine, and EE Crone (July 2002). Spatial patterns of population regulation in sage grouse (*Centrocercus* spp.) population viability analysis. *Journal of Animal Ecology* **71**(4), 672–682.
2. Irvine, RL, EE Crone, LJ Jackson, and EA MacIsaac (Aug. 2004). Does scale affect ecological model predictions? A test with lake responses to fertilization. *Ecological Applications* **14**(4), 1178–1188.
3. Irvine, RL and LJ Jackson (Aug. 2006). Spatial variance of nutrient limitation of periphyton in montane, headwater streams (McLeod River, Alberta, Canada). *Aquatic Ecology* **40**(3), 337–348.
4. Irvine, RL, DC Schmidt, and LR Hildebrand (2007). Population Status of White Sturgeon in the Lower Columbia River within Canada. *Transactions of the American Fisheries Society* **136**(6), 1472–1479.
5. Irvine, RL, T Oussoren, JS Baxter, and DC Schmidt (May 2009). The effects of flow reduction rates on fish stranding in British Columbia, Canada. *River Research and Applications* **25**(4), 405–415.
6. Irvine, RL, JL Thorley, and L Porto (Mar. 2017). When Do Mountain Whitefish (*Prosopium williamsoni*) Spawn? A Comparison of Estimates Based on Gonadosomatic Indices and Spawner and Egg Counts. *The Open Fish Science Journal* **10**(1), 12–22.
7. Matos, J, A Little, K Broome, E Kennedy, FAM Sánchez, M Latofski-Robles, R Irvine, C Gill, A Espinoza, G Howald, K Olthof, M Ball, and CL Boser (2018). Connecting island communities on a global scale: case studies in island biosecurity. *Western North American Naturalist* **78**(4), 14.
8. Sjodin, BMF, RL Irvine, AT Ford, GR Howald, and MA Russello (May 2020). *Rattus* population genomics across the Haida Gwaii archipelago provides a framework for guiding invasive species management. *Evolutionary Applications* **13**(5), 889–904.