

Robyn Irvine

DIRECTOR

Poisson Consulting Ltd

☎ +1 250 551 7474 | ✉ robyn@poissonconsulting.ca | 🏠 poissonconsulting.ca/robyn | 📺 [robyn-irvine-b2708525](https://www.youtube.com/channel/UCrobyn-irvine-b2708525) | 🐦 [robyn_irvine](https://twitter.com/robyn_irvine)

Background

Dr Robyn Irvine RPBio is a Director of Poisson Consulting Ltd. and a senior ecologist with the company. She has published in the realms of statistical ecology, fisheries ecology and invasive species and cross-cultural restoration work. She has been a consulting biologist in BC since 2004 and currently serves as an Adjunct Professor at the University of British Columbia Okanagan. She has worked for Parks Canada since 2015 managing and supporting evidence based restoration in protected areas and is continuously evolving the Parks Canada monitoring program in her current role as acting manager of the Ecological Monitoring Division. She continues to work for Poisson part-time as a senior technical reviewer and director.

Education

2004	Ph.D. in Statistical Ecology	Calgary
1996	B.Sc. (Hons) in Biological Sciences	Guelph

Career

2024	Acting Manager, Ecological Monitoring Division	Parks Canada
2020	Restoration Ecologist	Parks Canada
2015	Conservation and Restoration Project Manager	Parks Canada
2008	Statistical Ecologist	Poisson Consulting
2004	Statistical Ecologist	Golder Associates

Key Publications

1. LaMontagne, J. M., Irvine, R. L., & Crone, E. E. (2002). Spatial patterns of population regulation in sage grouse (*Centrocercus* spp.) population viability analysis. *Journal of Animal Ecology*, 71(4), 672–682. <https://doi.org/10.1046/j.1365-2656.2002.00629.x>
2. Irvine, R. L., Crone, E. E., Jackson, L. J., & MacIsaac, E. A. (2004). Does scale affect ecological model predictions? A test with lake responses to fertilization. *Ecological Applications*, 14(4), 1178–1188. <https://doi.org/10.1890/03-5127>
3. Irvine, R. L., & Jackson, L. J. (2006). Spatial variance of nutrient limitation of periphyton in montane, head-water streams (McLeod River, Alberta, Canada). *Aquatic Ecology*, 40(3), 337–348. <https://doi.org/10.1007/s10452-006-9036-4>
4. Irvine, R. L., Schmidt, D. C., & Hildebrand, L. R. (2007). Population Status of White Sturgeon in the Lower Columbia River within Canada. *Transactions of the American Fisheries Society*, 136(6), 1472–1479. <https://doi.org/10.1577/T06-190.1>
5. Irvine, R. L., Oussoren, T., Baxter, J. S., & Schmidt, D. C. (2009). The effects of flow reduction rates on fish stranding in British Columbia, Canada. *River Research and Applications*, 25(4), 405–415. <https://doi.org/10.1002/rra.1172>
6. Irvine, R. L., Thorley, J. L., & Porto, L. (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. <https://doi.org/10.2174/1874401X01710010012>
7. Matos, J., Little, A., Broome, K., Kennedy, E., Sánchez, F. A. M., Latofski-Robles, M., Irvine, R., Gill, C., Espinoza, A., Howald, G., Olthof, K., Ball, M., & Boser, C. L. (2018). Connecting island communities on a global scale: Case studies in island biosecurity. *Western North American Naturalist*, 78(4), 14.
8. Sjodin, B. M. F., Irvine, R. L., Ford, A. T., Howald, G. R., & Russello, M. A. (2020). Rattus population genomics across the Haida Gwaii archipelago provides a framework for guiding invasive species management. *Evolutionary Applications*, 13(5), 889–904. <https://doi.org/10.1111/eva.12907>
9. *Relative efficiency of hunting methods during an incomplete Sitka black-tailed deer eradication on Haida Gwaii, Canada.* (n.d.). 5. <https://doi.org/10.1002/2688-8319.12312>