

Kyle Logan Wilson

Assistant Professor, Integrated Fisheries Ecology Lab

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Employment

Assistant Professor, <i>Simon Fraser University</i>	since 2024
Consultant & Sole Proprietor, <i>Vox Pacifici consulting</i>	since 2020
Applied Quantitative Biologist, <i>Central Coast Indigenous Resource Alliance</i>	2021–2024
Lecturer, <i>Bamfield Marine Science Center</i>	2023–2024
Banting Postdoctoral Fellowship, <i>Simon Fraser University</i>	2018–2021

Education

Ph.D., Ecology and Evolutionary Biology, <i>University of Calgary</i>	2018
M.Sc., Fisheries and Aquatic Sciences, <i>University of Florida</i>	2013
B.Sc. (cum laude), Biology, <i>San Diego State University</i>	2009

Publications

JOURNAL ARTICLES

Published

39. Steel, J, S Johnson, W Atlas, M Reid, W Housty, M Adams, **KL Wilson**, C Whitney, Z Peel, K Peel, D Kern, & NC Ban. *Accepted <September 4, 2026>*. Prioritizing Coho Conservation & First Nation's Fisheries Access Through Hałtzaqv Monitoring. *North American Journal of Fisheries Management*.
38. Price, MHH, MS Adams, DC Braun, MC Cleveland, K Connors, AM Dennert, A Hill, CA Holt, BPV Hunt, J Hwang, JR Irvine, G Knox, JE Lerner, M MacDuffee, AK McLaskey, SJ Peacock, G Pestal, M Porter, A Rosenberger, NC Sainsbury, M Saunders, MR Sloat, CK Whitney, **KL Wilson**, J Wong, C Wor, K Yehle, BM Connors. *Accepted <September 1, 2026>*. From reflection to action: twenty years of Canada's Wild Salmon Policy. *Canadian Journal of Fisheries and Aquatic Sciences*.
37. Beveridge, R, E Gavenus, **KL Wilson**, J Steel, W Atlas, & T Satterfield. *Accepted <July 16, 2026>*. What does priority mean in a context of decreasing abundance? Upholding Nuxalk salmon rights. *FACETS*.

Number of peer-reviewed publications over career: 39

Number of peer-reviewed publications since joining SFU REM: 9

Web of Science (Researcher ID: J-5800-2019): Citations: 753; h-index: 17

Google Scholar Citations: 1,229; h-index: 20; i10-index: 28

36. Ban, NC[¶], HV Watkins^{*¶}, RE Forrest, A Frid, CA Holt, SJ Hall, CN Service, L Ramirez, DL Curtis, **KL Wilson**, L Ignace, AJ Reid, K Moffat, MR Neasloss, & nm burton. 2026. Weaving Indigenous and Western knowledge systems across a continuum of knowledge and decision making spaces. *Current Opinion in Environmental Sustainability*, 81, 101644.
35. Grimm, J, M Jarvis-Cross, M Bailey, NC Ban, M Bartlett, R Cadman, SE Cannon, SJ Cookie, K Cyr, V Dubos, A Duncan, J Gazing Wolf, HL Harrison, A Iyer, AE Kirkwood, R Lingrui Meng, N Moore, ME Morphet, NC Sainsbury, CAD Semeniuk, L Sherwood, N Deondre Smiles, E Smith, B Timmer, CA Vanderhoop, **KL Wilson**, A Bateman, & M Krkosek. 2025. Co-producing knowledge with Indigenous Peoples: challenges and solutions. *Trends in Ecology & Evolution*, 41, 6–9.
34. Moore, JW, ME Ulaski, **KL Wilson**, TG Martin, SD Kuiper, S Peacock, D Braun, S Naman, KJ Pitman, A Reid, J Rosenfeld, N Sainsbury, SM Wilson, & B Zdasiuk. 2025. A safe operating space for salmon watersheds under rapid climate change. *Fish and Fisheries*, 26, 1213–1228.
33. **Wilson, KL**, WI Atlas, CK Whitney, M Reid, CN Service, BM Connors, & MS Adams. 2025. Using fisheries risk assessment to inform precautionary and collaborative management in a declining coho salmon fishery. *Canadian Journal of Fisheries and Aquatic Sciences*, 82, 1–18.
32. Ulaski, ME, JW Moore, D Carlson, KF Taddei, K Kriese, J Griggs, C Murray, MS Adams, **KL Wilson**, A Reid, N Sainsbury, S Cannon, E Griggs, & T Martin. 2025. Barriers and opportunities for the effective management of cumulative effects in salmon ecosystems. *FACETS*, 10, 1–25.
31. Stewart, ND, **KL Wilson**, A Hanke. 2024. Estimating age-at-maturity for individual Atlantic bluefin tuna (*Thunnus thynnus*) from back-calculated growth trajectories. *Fisheries Research*, 278, 107102.
30. Frid, A, **KL Wilson**, J Walkus, RE Forrest, & M Reid. 2023. Re-imagining the precautionary approach to make collaborative fishery management inclusive of Indigenous knowledge systems. *Fish and Fisheries*, 24, 940–958
29. **Wilson, KL**, A Sawyer, A Potapova, CJ Bailey, D LoScerbo, EK Sweeney-Bergen, EE Hodgson, KJ Pitman, K Seitz, L Law, L Warkentin, SM Wilson, WI Atlas, DC Braun, M Sloat, MT Tinker, & JW Moore. 2023. The role of spatial structure in at-risk metapopulation recoveries. *Ecological Applications*, 33, e2898.
28. Rosenfeld, JR, P Gonzalez, L Jarvis, E Enders, M Bayly, AJ Paul, L MacPherson, JW Moore, M Sullivan, M Ulaski, & **KL Wilson**. 2022. Stressor-response functions as generalizable models for context dependence. *Trends in Ecology & Evolution*, 37, 1032–1035.
27. Atlas, WI, **KL Wilson**, CK Whitney, JE Moody, CN Service, M Reid, & MR Sloat. 2022. Quantifying regional patterns of collapse in British Columbia Central Coast chum salmon (*Oncorhynchus keta*) populations since 1960. *Canadian Journal of Fisheries and Aquatic Sciences*, 79, 2072–2086.
26. Kaemingk, MA, R Arlinghaus, MH Birdsong, CJ Chizinski, R Lyach, **KL Wilson**, & KL Pope. 2022. Matching of resource use and investment according to waterbody size in recreational fisheries. *Fisheries Research*, 254, 106388.

[¶]co-first authors

^{*}Lab HQP trainee

25. Bailey, CJ, **KL Wilson**, M More O’Ferrall, & JW Moore. 2022. Fish length back-calculation from scales: advancing methodology and correction of bias. *Canadian Journal of Fisheries and Aquatic Sciences*, 79, 1780–1797.
24. **Wilson, KL**, CJ Bailey, TD Davies, & JW Moore. 2022. Marine and freshwater regime changes impact a community of migratory Pacific salmonids in decline. *Global Change Biology*, 28, 72–85.[†]
23. Frid, A[‡], M McGreer[‡], **KL Wilson**[‡], C Du Preez, T Blaine, & T Norgard. 2021. Hotspots for rockfishes, structural corals, and large-bodied sponges along the central coast of Pacific Canada. *Scientific Reports*, 11, 21944.
22. Post JR, HGM Ward, **KL Wilson**, GL Sterling, A Cantin, & EB Taylor. 2021. Assessing conservation status with extensive but low-resolution data: application of frequentist and Bayesian models to Endangered Athabasca River rainbow trout. *Conservation Biology*, 36, e13783.
21. Wilson, SM, T Buehrens, J Fisher, **KL Wilson**, & JW Moore. 2021. Phenological mismatch, carryover effects, and marine survival in a wild steelhead trout *Oncorhynchus mykiss* population. *Progress in Oceanography*, 193, 102533.
20. Steel, JR, WI Atlas, NC Ban, **KL Wilson**, J Wilson, WG Housty, & JW Moore. 2021. Mixed-stock fishing methods and low salmon returns intensify barriers and costs to access for Indigenous Fishers. *FACETS*, 6, 592–613.
19. Price, MHH, JW Moore, BM Connors, **KL Wilson**, & JD Reynolds. 2021. Portfolio simplification arising from a century of change in salmon population diversity and artificial production. *Journal of Applied Ecology*, 58, 1477–1486.
18. **Wilson, KL**, A Foos, O Barker, A Farineau, J De Gisi, & JR Post. 2020. Social–ecological feedbacks drive spatial exploitation in a northern freshwater fishery: a halo of depletion. *Journal of Applied Ecology*, 57, 206–218.[§]
17. **Wilson, KL**, J De Gisi, CL Cahill, OE Barker, & JR Post. 2019. Life-history variation along environmental and harvest clines of a northern freshwater fish: plasticity and adaptation. *Journal of Animal Ecology*, 88, 717–733.
16. Hashiguti DT, BE Soares, **KL Wilson**, RDO Raiol, & LFA Montag. 2019. Comparing three methods to estimate the average size at first maturity: a case study on a Curimatid exhibiting polyphasic growth. *Ecology of Freshwater Fish*, 28, 266–273.
15. Carruthers, TR, K Dabrowska, W Haider, E Parkinson, D Varkey, HGM Ward, MK McAllister, T Godin, B Van Poorten, P Askey, **KL Wilson**, L Hunt, A Clarke, E Newton, CJ Walters, & JR Post. 2019. Landscape scale social and ecological outcomes of dynamic angler and fish behaviours: processes, data, and patterns. *Canadian Journal of Fisheries and Aquatic Sciences*, 76, 970–988.
14. Brownscombe, JW, K Hyder, W Potts, **KL Wilson**, KL Pope, AJ Danylchuck, SJ Cooke, A Clarke, R Arlinghaus, & JR Post. 2019. The future of recreational fisheries: advances in science, monitoring, management, and practice. *Fisheries Research*, 211, 247–255.

[†]Selected for commissioned commentary from ER Schoen in *Global Change Biology*

[‡]co-first authors

[§]Selected as Editor’s Choice with commentary from Robert Arlinghaus in *J. Applied Ecology*

13. Cahill, CL, S Mogensen, **KL Wilson**, A Cantin, A Paul, RN Sinnatamby, P Christensen, J Reilly, L Winkel, A Farineau, & JR Post. 2018. Multiple challenges confront a high-effort inland recreational fishery in decline. *Canadian Journal of Fisheries and Aquatic Sciences*, 75, 1357–1368.
12. **Wilson, KL**, A Honsey, B Moe, and P Venturelli. 2018. Growing the biphasic framework: techniques and recommendations for fitting emerging growth models. *Methods in Ecology and Evolution*, 9, 822–833.
11. Matthias, BG, RNM Ahrens, MS Allen, T Tuten, ZA Siders, & **KL Wilson**. 2018. Decoupling the effects of density and environmental variability on fish growth. *Fisheries Research*, 198, 209–219.
10. Boucek, R, C Barrientos, M Bush, D Gandy, **KL Wilson**, & J Young. 2017. Trophic state indicators are a better predictor of Florida Bass condition compared to temperature in Florida’s freshwater bodies. *Environmental Biology of Fishes*, 10, 1181–1192.
9. Mee, JA, JR Post, HGM Ward, **KL Wilson**, E Newton, & A Cantin. 2016. Fishing quality and angling effort relationships in an experimentally stocked, spatially structured fishery. *Ecological Applications*, 26, 1693–1707.
8. Ward, HGM, MS Allen, EV Camp, NW Cole, LM Hunt, B Matthias, JR Post, **KL Wilson**, & R Arlinghaus. 2016. Understanding and managing social–ecological feedbacks in spatially structured recreational fisheries: the overlooked behavioral dimension. *Fisheries*, 41, 524–535.
7. **Wilson, KL**, A Cantin, HGM Ward, ER Newton, JA Mee, DA Varkey, EA Parkinson, & JR Post. 2016. Supply–demand equilibria and the size–number trade-off in spatially structured recreational fisheries. *Ecological Applications*, 26, 1086–1097.
6. **Wilson, KL**, BG Matthias, AB Barbour, RNM Ahrens, T Tuten, & MS Allen. 2015. Combining samples from multiple gears helps to avoid fishy growth curves. *North American Journal of Fisheries Management*, 35, 1121–1131.
5. **Wilson, KL**, MS Allen, RNM Ahrens, & MD Netherland. 2015. Nonlinear and density-dependent fish habitat selection across physiochemical gradients in an invasive macrophyte habitat. *Environmental Biology of Fishes*, 98, 1525–1539.
4. Carlson, AK, KM Dunmall, RE Boucek, NW Cole, JA Kerns, RM Krogman, MC Lloyd, VM Nguyen, TR Wendt, SL White, & **KL Wilson**. 2015. How to navigate fisheries education and employment. *Fisheries*, 40, 196–197.
3. **Wilson, KL**, & AB Barbour. 2014. The death of immortality^{††}. *Nature*, 512, 226.
2. **Wilson, KL**, MS Allen, RNM Ahrens, & MD Netherland. 2014. Use of underwater video to assess freshwater fish populations in dense submersed aquatic vegetation. *Marine and Freshwater Research*, 66, 10–22.
1. Rogers, MW, AB Barbour, & **KL Wilson**. 2014. Trade-offs in experimental designs for estimating post-release mortality in containment studies. *Fisheries Research*, 151, 130–135.

^{††}Short fiction

BOOK CHAPTERS

Post, JR, **KL Wilson**, FD Johnston, GG Sass, PA Askey, HGM Ward, & MS Allen. 2025. "Ecological approaches to understanding dynamic interactions between recreational angler behaviour and fishes". In: *Understanding Recreational Fishers: Disciplinary and Interdisciplinary Approaches for Fisheries Management*.

Pre-publication

Wilson, KL, A Frid, & SC Anderson. *In review*. Groundfish with diverse life histories increase in size and abundance with proximity to spatial protections. *Ecology Letters*.

Post, JR, **KL Wilson**, HGM Ward, & R Arlinghaus. *In revision*. Recruitment as an emergent property of ecological and evolutionary processes: implications for compensation and harvest management of fish. *Fish & Fisheries*.

TECHNICAL REPORTS & OTHER PUBLICATIONS:

Peer-reviewed:

Wilson, KL, WI Atlas, J Steel, J Wilson, CK Whitney, M McGreer, WG Housty, & M Reid. 2022. Central Coast Catch Monitoring and Creel Program. Prepared for: *Central Coast First Nations* for submission to: *Fisheries and Oceans Canada*. 82 pp.

de Kerckhove, DT, J Freedman, **KL Wilson**, MV Hoyer, C Chu, & CK Minns. 2017. Choosing spatial units for landscape-based management of the Fisheries Protection Program. *Canadian Science Advisory Secretariat*. 2017/040. v + 44.

Non-peer reviewed:

Adams, MS, & **KL Wilson**. 2024. Central Coast Catch Monitoring and Creel Program: Results and overview of the 2023 season. Prepared for: *Central Coast First Nations*. 35 pp.

Wilson, KL, MS Adams, & WI Atlas, 2023. Central Coast Catch Monitoring and Creel Program: Results and overview of the 2022 season. Prepared for: *Central Coast First Nations*. 34 pp.

Wilson, KL. 2022. Nicola River Chinook salmon: Cumulative effects and life cycle model. In: Nicola Basin Chinook Risk Assessment: Final Report. Compiled by Isobel Pearsall. Prepared for: *Nicola Collaborative Research and Technical Committee*.

Wilson, KL. 2021. Considering Cumulative Effects under the Fisheries Act for the Lac Ste. Anne Métis Community Association. Review prepared for: *Lac Ste. Anne Métis Community Association* for submission to *Fisheries and Oceans Canada*.

Atlas, WI, **KL Wilson**, & CK Whitney. 2021. Documenting a recent collapse in coho salmon stocks on the North and Central Coast of British Columbia: implications for fisheries, conservation, and co-governance. Prepared for: *Fisheries and Oceans Canada*.

Wilson, KL, CK Whitney, & WI Atlas. 2021. Understanding interannual variability in Central Coast recreational catch and effort. Prepared for: *Fisheries and Oceans Canada*. 10 pp.

Steel, J, WI Atlas, **KL Wilson**, J Wilson, WG Housty, & M Reid. 2021. 2020 Heiltsuk salmon catch monitoring report. Prepared for: *Heiltsuk Integrated Resource Management Department*. 13pp.

Atlas, WI, J Steel, **KL Wilson**, J Wilson, WG Housty. 2020. Hałtzaqv salmon catch and effort patterns using community-based monitoring. Prepared for: *Heiltsuk Integrated Resource Management Department*. 22pp.

Thompson, M, S Alderman, **KL Wilson**, S Dalgarno, J Thorley, S Gavin, & A Dersch. 2020. Trans Mountain Expansion Project and oil spills: power analysis on Pacific salmon data. Prepared for: *Adams Lake Indian Band*. 89 pp.

Wilson, KL, J De Gisi, OE Barker, A Farineau, & JR Post. 2019. Lake trout management tool: Exploring tradeoffs in social and ecological outcomes for managing the BC and Yukon recreational lake trout fishery. Prepared for: *British Columbia Ministry of Forests, Lands, and Natural Resource Operations and Rural Development: Fish and Wildlife Sector*. 46 pp.

Wilson, KL, K Dunmall, & V Nguyen. 2015. How to... write and defend your thesis. *American Fisheries Society – Education Section*. 3 pp.

Dunmall, K, V Nguyen, & **KL Wilson**. 2015. How to... write effective scholarship applications. *American Fisheries Society – Education Section*. 3 pp.

White, S, **KL Wilson**, & R Boucek. 2015. How to... publish in graduate school. *American Fisheries Society – Education Section*. 3 pp.

Carlson, A, **KL Wilson**, & N Cole. 2015. How to... analyze your data. *American Fisheries Society – Education Section*. 3 pp.

Wilson, KL, & MS Allen. 2013. Exploring the potential for supplemental stocking of wild-reared largemouth bass at Lake Apopka. Prepared for: *Florida Fish and Wildlife Conservation Commission*. 14 pp.

Wilson, KL, EL Bradshaw, MS Allen, & MD Netherland. 2013. Evaluating fish habitat quality in dense hydrilla managed with different herbicide approaches. Prepared for: *Florida Fish and Wildlife Conservation Commission*. 15 pp.

Wilson, KL, MS Allen, & MD Netherland. 2012. Assessing fish communities in dense submersed aquatic vegetation with underwater video cameras. *Proceedings of the 23rd Annual Florida Lake Management Society Conference*. 83:84

Wilson, KL, MS Allen, & MD Netherland. 2012. Use of underwater video cameras to assess fish communities in dense submersed aquatic vegetation. *The Shellcracker: Florida Chapter of the American Fisheries Society*. 19(3):7-10.

Bradshaw, EL, **KL Wilson**, MS Allen, & MD Netherland. 2011. Evaluating fish habitat quality in dense hydrilla with different herbicide approaches. *FFWCC Invasive Plant Management Newsletter*. 3:3-4

Bell, T, D Drumm, D Hondelero, & **KL Wilson**. 2009. Comparative carbon flux in four subtropical ecosystems in Lopez Mateos, Baja California Sur. Scientific report for: *Global Change Research Group*. 30 pp.

Presentations

SEMINARS & PUBLIC TALKS

Maurice Lamontagne Institute, Stéphane Plourde Memorial Seminar Series in Ecosystem Management, <i>Webinar</i>	2026
Canadian Parks and Wilderness Society, BC chapter, Annual General Meeting [¶] <i>Vancouver, BC</i>	2025
Simon Fraser University, Faculty of Environment, Tribute to Evelyn Pinkerton [¶] <i>Burnaby, BC</i>	2025
Central Coast Management Council of the FRRA, <i>Vancouver, BC</i>	2025
University of Victoria, Biological Sciences, <i>Victoria, BC</i>	2024
Lac Ste. Anne Métis Community Association, Annual General Meeting. <i>Stony Plain, AB</i>	2023
Michigan State University, Quantitative Fisheries Center. <i>Webinar</i>	2023
NOAA-NMFS, Northwest Fisheries Science Center, Watershed Program. <i>Webinar</i>	2022
Lac Ste. Anne Métis Community Association, Annual General Meeting. <i>Stony Plain, AB</i>	2022
British Columbia Wildlife Federation <i>Webinar</i>	2021
Adams Lake Indian Band community meeting. <i>Chase, BC</i>	2020
Gulf Coast Research Laboratory, University of Southern Mississippi. <i>Ocean Springs, MS</i>	2019
Parks Canada, Banff National Park. <i>Banff, AB</i>	2019
Simon Fraser University, Biological Sciences. <i>Burnaby, BC</i>	2018
University of Calgary, Biological Sciences. <i>Calgary, AB</i>	2018
University of Washington, School of Aquatic & Fishery Sciences. <i>Seattle, WA</i>	2017
University of Calgary, Biological Sciences. <i>Calgary, AB</i>	2017
British Columbia Fisheries Management Meeting. <i>Kelowna, BC</i>	2016
Izaak Walton Killam Trustees Banquet. <i>Calgary, AB</i>	2015
University of Calgary, Medicine & Gerontology [¶] . <i>Calgary, AB</i>	2014
University of Florida, Environmental Law. <i>Gainesville, FL</i>	2013
Barrow Arctic Science Consortium. <i>Barrow, AK</i>	2009

CONFERENCE PRESENTATIONS

4th Meeting of the Society of Canadian Aquatic Sciences [¶] . <i>Winnipeg, MB</i>	2026
American Fisheries Society, WA-BC Chapter, Annual Meeting. <i>Vancouver, BC</i>	2025
149th Meeting of the American Fisheries Society <i>Reno, NV</i>	2019

[¶]Panel discussion

[¶]joint conference of the International Association for Great Lakes Research and the Society of Canadian Aquatic Sciences

71st Canadian Conference for Fisheries Research Meeting. <i>Edmonton, AB</i>	2018
Prairie University Biological Symposium. <i>Calgary, AB</i>	2018
8th World Recreational Fisheries Conference. <i>Victoria, BC</i>	2017
70th Canadian Conference for Fisheries Research Meeting. <i>Montreal, QC</i>	2017
7th World Fisheries Congress. <i>Busan, South Korea</i>	2016
69th Canadian Conference for Fisheries Research Meeting. <i>St. John's, NL</i>	2016
1st International Joint Aquatic Sciences Meeting. <i>Portland, OR</i>	2014
144th Meeting of the American Fisheries Society. <i>Quebec City, QC</i>	2014
67th Canadian Conference for Fisheries Research Meeting. <i>Yellowknife, NT</i>	2014
42nd Benthic Ecology Meeting. <i>Savannah, GA</i>	2013
Southern Division AFS, Annual Meeting. <i>Nashville, TN</i>	2013
Biannual FWC-IFAS Invasive Plant Research Review. <i>Citra, FL</i>	2013
16th UF Fisheries and Aquatic Sciences Graduate Student Symposium. <i>Gainesville, FL</i>	2013
36th Florida Aquatic Plant Management Society Meeting. <i>St. Augustine, FL</i>	2012
31st MidSouth Aquatic Plant Management Society Meeting ¹¹ . <i>Mobile, AL</i>	2012
23rd Florida Lake Management Society Conference. <i>Gainesville, FL</i>	2012
Florida Cooperative Fish and Wildlife Research Unit, Annual Meeting. <i>Gainesville, FL</i>	2012
15th UF Fisheries and Aquatic Sciences Graduate Student Symposium. <i>Gainesville, FL</i>	2012
American Fisheries Society – Florida Chapter Spring Meeting. <i>Ocala, FL</i>	2012
Southern Division AFS, Annual Meeting <i>Biloxi, MS</i>	2011
Florida Cooperative Fish and Wildlife Research Unit Annual Meeting. <i>Gainesville, FL</i>	2011

Research Grants, Awards, & Honors

Total awarded value in career: \$4,473,949 CAD

Total awarded value since joining SFU: \$1,360,239 CAD

Total awarded value held at SFU: \$1,116,014 CAD

GRANTS & CONTRACTS

{Role: PI = principal investigator; co-PI = co-principal investigator}

SFU Climate Innovation, Seed Fund – Amplification Grant, **co-PI** 2026–2027 COMPASS: *Co-designed Ocean Management through Planetary Health, Ancestral Knowledge, and Stewardship Systems* \$23,000 (PI: M. Barcham)

Pacific Institute for Climate Solutions, **World Weaving Climate Research Program** **PI** 2026–2029 *Git qmsistá: Learning together to understand and revitalize herring ecosystems in a warming sea* \$140,900 (co-PIs: N. Ban, C. Service)

¹¹ Best Student Paper

Pacific Salmon Commission*, Southern Endowment Fund	co-PI	2026–2028
<i>Improvements to estimates of en route mortality to better adapt to changing in-season and postseason management uses</i>		\$75,000 (PI: D. Patterson)
Mitacs, Accelerate Program (Indigenous Pathways)	PI	2026–2027
<i>Assessing climate vulnerabilities and priorities for local fisheries stewardship programs in Musgamagw Dzawada'enuxw territory</i>		\$60,000
SFU Faculty of the Environment, Sparks Grant	PI	2026–2027
<i>Examining impacts of climate change on marine stewardship in Musgamagw Dzawada'enuxw territory</i>		\$3,000
Mitacs, Accelerate Program (Indigenous Pathways)	PI	2026–2027
<i>Assessing flow needs for interior British Columbia salmon in a changing climate</i>		\$45,000
Marine Environmental Observation Prediction & Response Network, Community-led Research Seed Fund	PI	2026–2027
<i>Facilitating land access and supporting knowledge transfer to advance Dungeness crab work in Kitasoo Xai'xais territory</i>		\$24,896 (co-PIs: C. Service)
Natural Science and Engineering Research Council, Discovery Program ,	PI	2025–2030
<i>Understanding sources of risk and resilience in marine populations</i>		\$202,500
Fisheries & Oceans Canada, Ecosystems & Oceans Science Contribution Framework	PI	2024–2027
<i>Integrating collaborative approaches to evaluate the role of nonstationarity on reference points and status assessment for North and Central Coast coho salmon</i>		\$133,543
Fisheries & Oceans Canada, Ecosystems & Oceans Science Contribution Framework	co-PI	2024–2027
<i>Developing reference points that reflect declining productivity in Arctic subsistence fisheries</i>		\$114,058 (PI: B. van Poorten)
Fisheries & Oceans Canada*, Indigenous Policy Dialogue and Development Program	co-PI	2025–2027
<i>Pairing quantitative fisheries data and Indigenous knowledge to inform Pacific herring management in the territory of the Kitasoo Xai'xais</i>		\$149,875 (PIs: C. Holt, C. Service)
Pacific Institute for Climate Solutions, Climate Foresight Program	PI	2025
<i>Git qmsistá: Learning together to revitalize herring ecosystems in a warming sea</i>		\$30,000 (co-PIs: N. Ban, C. Service)
Mitacs, Accelerate Program (Indigenous Pathways)	PI	2025–2026
<i>Evaluating the effectiveness of Central Coast BC fishery closures</i>		\$45,000
Mitacs, Accelerate Program (Indigenous Pathways)	PI	2025–2027
<i>Evaluating changing environmental conditions on the estuary use of Dungeness Crabs (<i>Cancer magister</i>) to support Indigenous fisheries access in Kitasoo Xai'xais territory</i>		\$80,000
Mitacs, Accelerate Program (Indigenous Pathways)	PI	2025–2027
<i>Habitat-based benchmarks for West Coast Vancouver Island Coho Salmon</i>		\$75,000
Fisheries & Oceans Canada, Pacific Salmon Strategy Initiative	PI	2024–2027
<i>Understanding spatial-temporal shifts in migration timing for pink and chum salmon in the Central Coast</i>		\$64,117
Fisheries & Oceans Canada*, Indigenous Policy Dialogue and Development Program	PI	2024–2026
<i>Pairing quantitative fisheries data and Indigenous knowledge to inform Pacific herring management in the territory of the Kitasoo Xai'xais</i>		\$94,350 (co-PIs: C. Holt, C. Service)
Fisheries & Oceans Canada [†] , Ecosystems & Oceans Science Contribution Framework	PI	2023–2025
<i>Population characteristics, distribution, and abundance of groundfish in the Central Coast of British Columbia: drivers and applications to spatial monitoring and management</i>		\$173,768 (co-PI: A. Frid)

*held outside SFU

†held at CCIRA

Environment & Climate Change Canada*, Terrestrial Cumulative Effects Initiative <i>Informing Cumulative Effects Management for Chinook Salmon in the Nicola Watershed</i> Rosenfeld, J. Moore)	co-PI 2023–2025 \$267,978 (PIs: J. Rosenfeld, J. Moore)
Fisheries & Oceans Canada†, B.C. Salmon Restoration & Innovation Fund <i>First Nations-led catch monitoring to inform sustainable mixed-stock fisheries management on the Central Coast</i> \$2,098,774 (PIs: M. Adams, C. Whitney)	co-PI 2021–2024
Fisheries & Oceans Canada‡, Indigenous Habitat Participation Program <i>Reviewing the revised Fisheries Act implementation of cumulative effects</i>	2021–2022 \$50,160
Heiltsuk Integrated Resource Management Department‡ <i>Understanding catch and effort dynamics in Chinook and Coho salmon fisheries</i>	2020 \$5,000
BC Ministry of Forests, Lands, and Natural Resources‡, Large Lakes Research Fund <i>Co-managing BC lake trout fisheries under climate change</i>	2019 \$12,000
Environment & Climate Change Canada‡, Trans Mountain Expansion Project Consultation Funds <i>Identifying potential impacts to salmon fisheries from the TMX pipeline</i>	2019 \$30,000
BC Ministry of Forests, Lands, and Natural Resources§, Large Lakes Research Fund <i>lake trout landscape management tool</i>	2016 \$30,000
Freshwater Fisheries Society of British Columbia§, Large Lakes Research Fund <i>Lake trout landscape management tool</i>	2016 \$14,000
Mitacs§, Accelerate Program <i>The numerical response of anglers to fishing quality in British Columbia's lake trout fisheries</i>	2014 \$45,000

FELLOWSHIPS & SCHOLARSHIPS

Banting Postdoctoral Fellowship, NSERC	2019
Vanier Canada Graduate Scholarship, NSERC	2015
Izaak Walton Killam Memorial Scholarship, Killam Trustees	2015
Dean's Doctoral Scholarship, UCalgary	2014
Eyes High International Doctoral Scholarship, UCalgary	2014
Roger Rottman Memorial Scholarship, Florida Chapter of the American Fisheries Society	2013
William L. Maier Jr. Memorial Scholarship, Florida Chapter of the Aquatic Plant Management Society	2012
California Governor's Scholarship	2004

AWARDS, HONORS, & OTHER DISTINCTIONS

JB Hyne Research Innovation Award, UCalgary	2018
Clemens-Rigler Award, Canadian Aquatic Resources Section	2017
Jim & Josie Gray Award, Graduate Teaching Assistant of the Year, UCalgary	2016
Citation of Merit, for contribution to graduate education, UCalgary	2016
Clemens-Rigler Award, Canadian Aquatic Resources Section	2016
John E. Skinner Memorial Award, American Fisheries Society	2014

†Vox Pacifici contract

§held at UCalgary

Co-recipient for <i>Best Student Chapter (Florida)</i> , American Fisheries Society	2014
<i>Outstanding Thesis of the Year</i> , School of Forest Resources and Conservation, UFlorida	2014
<i>Outstanding Graduate Student of the Year (M.Sc.)</i> , Fisheries and Aquatic Sciences, UFlorida	2013
<i>Graduate Student Excellence in Outreach and Extension</i> , School of Forest Resources and Conservation, UFlorida	2013
<i>The Wayne Smith Student Leadership Award</i> , School of Forest Resources and Conservation, UFlorida	2013
<i>University of Florida's Graduate Student Council Travel Grant</i>	2013
<i>Outstanding Graduate Student Leader</i> , Graduate Student Council, UFlorida	2012

Teaching & Learning

SIMON FRASER UNIVERSITY

- REM 100 Global Change (2x)
- REM 325 Uncertainty, Risk, and Decision Analysis (2x)
- REM 423/613 Research Methods in Fisheries Assessment (2x)

BAMFIELD MARINE SCIENCE CENTER

- Ecological Models & Data (2x)

UNIVERSITY OF CALGARY

- Biology 607, R Wizardry in the Biological Sciences (2x)

GUEST LECTURES

SFU REM 211	2022
SFU REM 211	2021
Bamfield Marine Science Center, Fall Program, Applied Data Analyses	2021
UCalgary, BISI 607, R Wizardry in the Biological Sciences	2017
UCalgary, Ecology 417, Aquatic Ecology)	2013
UFlorida, PCB 5307, Limnology	2013
UFlorida, FNR 3410, Field Techniques	2011
San Diego State University (BIOL 526, Terrestrial Arthropods)	2010

TEACHING & LEARNING WORKSHOPS

Interactive Lecturing, SFU Centre for Educational Excellence	2025
Elevating Your Canvas Course, SFU Centre for Educational Excellence	2026

Graduate & Undergraduate Supervision

CURRENT TEAM:

Hannah Watkins** (PDF)

**Liber Ero Fellow

Ellyn Davidson (PDF)
Emma Atkinson (PDF)
Celeste Keiran⁺⁺ (PhD)
Kate Mussett (PhD)
Hutton Noth (PhD)
Lindsay Begemann (MRM)
Michelle Fortier (MRM)
Chelsea Bennett (MRM)
Marie Vivet (MRM)
Emma Graham (MRM)
Arianne Nickels⁺⁺ (MSc)
Connor McLeod (MRM)

PAST TEAM:

Sena Isik (UGRA)

GRADUATE SUPERVISORY COMMITTEES:

PhD

Abigail Birch (SFU REM)
Alyssa Allchurch (SFU REM)
Graham Brownlee (SFU REM)
Marta Ulaski (SFU Biology, graduated 2026)

Master's

Angela Ratzburg (SFU REM)
Michael Berry (SFU REM)
Calvin Domarchuk-White (SFU REM)
Gemma Macfarlane (UCalgary)
Dylan Perlini (SFU REM, graduated 2026)

Knowledge Transfer & Community Outreach

Presentations at institutions and regional meetings without proceeding papers: 15
FRRA Central Coast Management Council Annual Gathering (5x; ~25 participants per)
Atnarko Sockeye Recovery Plan Meetings (4x; ~20 participants per)
SFU ARC Institute (2x; ~70 participants per)
DFO North Coast Salmon Stock Assessment - Postseason Review (1x; ~70 participants per)
Invited presentations at collaborative fisheries management working groups: 37
select examples:

⁺⁺co-supervised

DFO Salmon Enhancement Program Managers Meeting (2x; ~15 participants per)
FRRA Technical Working Groups on salmon and crab (15x; ~20 participants per)
Kitasoo Xai'xais Stewardship Authority - herring working group (6x; 12 participants per)
Central Coast First Nations Fisheries Meetings (15x; ~15 participants per)
Ha'oom Fisheries Society Technical Working Groups on salmon and prawn (4x; ~10 participants per)

Presentations to Indigenous community townhalls: 6

Adams Lake Indian Band Townhall
Nuxalk Nation Townhall
Lac Ste. Anne Métis Community Association Annual General Meeting
Ha'oom Fisheries Society Annual Knowledge Sharing Celebration

Media interviews and engagement: 9 print; 5 radio and broadcast including:

CBC News *August 18, 2024*
CBC News, *The World at Six with Susan Bonner*
CBC News Bulletin *October 3, 2025*
CBC Radio *Daybreak North*
CKNW Radio *Mornings with Simi*
CBC Radio *Yukon Morning*
Featured in **Canadian Wildlife** article: *In the Long Run*
Canada's National Observer
Hakai Magazine
The Tyee Magazine
Orlando Sentinel
B.A.S.S. Times

Workshops delivered on quantitative ecology: 7

Advisor and reviewer for conservation and management plans:

Reviews for *Canadian Science Advisory Secretariat* science advice papers (5x)
Fisheries Act Project Authorizations (4x; e.g., TMX, NGTL)
Fisheries Act policy implementation (4x)
Species at-risk recovery and restoration plans (4x; e.g., Bull Trout, Athabasca Rainbow Trout)

GK-12 STEM science fair and in-person outreach (17x)

International collaborations

IFishMan Workshop on recreational fisheries, Siggen, Germany (2026)

Select Service Activities

Guest editor for special issue in *Fisheries Research* for **8th World Recreational Fisheries Conference**

Peer reviews for journals including:

Proceedings of the National Academy of Sciences, *Fish and Fisheries*, *Global Change Biology*, *Proceedings of the Royal Society B*, *Journal of Applied Ecology*, *Ecological Applications*, *Conservation Biology*, *Canadian Journal of Fisheries and Aquatic Sciences*, *Methods in Ecology and Evolution*, *Fisheries Research*

Simon Fraser University:

Field Safety Advisory Committee since 2025
Tenure & Promotion Committee, School of Resource & Environmental Management (2x)

Member of technical committees:

Marine Fishes Species Specialist Subcommittee for the **Committee on the Status of Endangered Wildlife in Canada** 2021-2029
Central Coast Marine Plan Implementation Advisory Committee for the **Marine Plan Partnership for the North Pacific Coast** since 2026
Technical Working Group for **Fisheries Resource and Reconciliation Agreement** Central Coast Management Council since 2021
Population Science Advisory Committee for the **Pacific Salmon Foundation** 2023-2025

External thesis or candidacy examiner:

Simon Fraser University (3x)

Planning committees for conferences, meetings, and socials (15x) including:

Chair, Science Committee, Society of Canadian Aquatic Sciences 2027 Annual Meeting *Victoria, BC*

Graduate student service:

President, Past President, and Fundraising Chairman for *Students United in Research of Fisheries*

Student Representative for the *Canadian Aquatic Resources Section* of the *American Fisheries Society – Educational Division Unit*

Graduate Leader's Circle member at UCalgary (2015-2018); advised scholarship writing

Co-host of Killam awards banquet (2016)

Seminar host (5x)

Conference abstract reviewer:

American Fisheries Society (2x)

Reviews for grant funding bodies:

NSERC Discovery Program

SSHRC Insight Program

National Killiam Program, *Dorothy Killam Fellowship*

Community Partners

Adams Lake Indian Band (Chase, BC)

Central Coast Indigenous Resource Alliance (Campbell River, BC)

Ha'oom Fisheries Society (Tofino, BC)

Heiltsuk Integrated Resource Management Department (Bella Bella, BC)

Institute of Ocean Science (Sydney, BC)

Kitasoo Xai'xais Stewardship Authority (Klemtu, BC)

Lac Ste. Anne Métis Community Association (Stony Plain, AB)

Musgamagw Dzawada'enuxw Fisheries Group (Kingcome Inlet, BC)

Nicola Basin Collaborative (Kamloops, BC)

Nuu-Chah-Nulth Tribal Council (Ucluelet, BC)

Nuxalk Stewardship Office (Bella Coola, BC)

Pacific Biological Station (Nanaimo, BC)

Pacific Salmon Foundation (Vancouver, BC)

Raincoast Conservation Foundation (Sidney, BC)

Skeetchestn Indian Band (Savona, BC)

Wuikinuxv Stewardship Office (Rivers Inlet, BC)