

Jonathan W. Moore

Curriculum Vitae

Department of Biological Sciences
Resource and Environmental Management
Simon Fraser University
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PROFESSIONAL EXPERIENCE

Associate Professor	2015-present	
Liber Ero Chair of Coastal Science and Management		
Research group member: Earth2Ocean, EBERG		
Departments: Department of Biological Sciences, Resource and Environmental Management		
Simon Fraser University		
Director	2017-present	
Cooperative Research Management Institute, Simon Fraser University		
Assistant Professor	2011-2015	
Liber Ero Chair of Coastal Science and Management		
Research group member: Earth2Ocean, EBERG, Coastal Studies		
Departments: Department of Biological Sciences, Resource and Environmental Management		
Simon Fraser University		
Assistant Professor	2008-2010	
Department of Ecology and Evolutionary Biology		
University of California Santa Cruz		
Post-doctoral Fellow	2007	
National Marine Fisheries Service, Northwest Fisheries Science Center, Seattle		
Advisor: Michelle McClure		
Project: <i>Biodiversity and Extinction in Columbia River Salmon</i>		
Graduate Research Assistant	2000-2006	
Alaska Salmon Program, University of Washington.		
Field Research Assistant		
Desert Spring Aquatic Communities, Sue Mauger and Dr. Judy Li, Oregon.		1998
Desert Island Ecology, Dr. Gary Polis, Baja, Mexico.		1997
Stream Vertebrate Ecology, Dr. Stan Gregory, Andrews Research Forest, Oregon.		1996

EDUCATION

Ph.D.	University of Washington	Seattle, WA	2006
	School of Aquatic and Fishery Sciences, Biology Department		
	Advisor: Daniel Schindler		
	Dissertation: <i>Diverse Impacts of a Dominant Species: Ecosystem engineering by salmon</i>		
B.A.	Carleton College	Northfield, MN	1999
	Major: Biology		
	Distinction on thesis, Phi Beta Kappa, Magna Cum Laude		

Jonathan W. Moore

Curriculum Vitae

TEACHING EXPERIENCE

Simon Fraser University		
<i>Conservation and Ecology of Coastal BC (REM 375)</i>		2019
<i>Aquatic Ecology (BISC 412)</i>		2018
<i>Conservation and Ecology of Coastal BC (REM 375)</i>		2017
<i>Aquatic Ecology (BISC 473)</i>		2015
<i>Conservation and Ecology of Coastal BC (REM 475)</i>		2014
<i>Stream Ecology (BIO 473)</i>		2013
<i>Conservation and Ecology of Coastal BC (REM 475)</i>		2012
University of California Santa Cruz:		
<i>Ecology (BIOE 107, cotaught with Dr. Jim Estes)</i>		2010
<i>Freshwater Ecology (BIOE 155)</i>	2008, 2009, 2010	
<i>Graduate Seminar; Topic: "Controversies in Ecology" (BIOL 293)</i>		2008
Instructor:		
<i>Stable Isotopes in Ecology, short course</i>	<i>University of Washington</i>	2006
<i>Limnology</i>	<i>University of Washington</i>	2005

FUNDING

- Moore, J.W.** 2018. Keogh River Academic Research. BC Ministry of Forests, Lands, Natural Resource Operations and Rural Development.
- Moore, J.W.** 2018. Nicola River Academic Research. Fraser Basin Council.
- Moore, J.W.** 2017-2021. Climate Resilience of Salmon Watersheds. NSERC Discovery.
- Moore, J.W.** 2017-2020. Climate Resilience of Salmon Watersheds. NSERC Accelerator Supplement.
- Moore, J.W.** 2017-2020. North Pacific Wild Salmon Network. Gordon and Betty Moore Foundation.
- Moore, J.W., R. Hovel, E. Hodgson.** 2017-2019. Community-based research on migratory whitefish, Peel River. CIMP.
- Moore, J.W., R. Hovel, E. Hodgson.** 2017-2018. Community-based long-term monitoring of the Peel River near Fort McPherson (Youth Funding). Gwich'in Renewable Resources Board.
- Moore, J.W.** 2017-2018. Keogh River Data Compilation. Freshwater Fisheries Society of BC.
- Moore, J.W.** 2017-2018. Keogh River Steelhead Population Dynamics Student Support. BC Ministry of Forests, Lands, Natural Resource Operations and Rural Development.
- Moore, J.W.** 2016-2020. Liber Ero Chair of Coastal Science and Management.
- Moore, J.W., Daniel Selbie (DFO), Mitch Drewes (Hidden River Environmental Management Ltd), Paul Weidman (Postdoctoral Fellow)** 2015-2017. Atmospheric acid emissions, climate change, and north coastal salmon stream ecosystems in British Columbia.
- Moore, J.W.** 2014. Quantifying the reliance of salmon on the Skeena River estuary. SkeenaWild.

Jonathan W. Moore

Curriculum Vitae

- Moore, J.W.**, C. Carr-Harris, in partnership with Lax Kw'alaams First Nation. 2014. Estuarine reliance of juvenile salmonids in the Skeena River. Mitacs.
- Moore, J.W.** 2014. Quantifying the reliance of salmon on the estuary ecosystem of the Skeena River. Environment Canada Science Horizons Youth Internship program.
- Moore, J.W.**, M. Beakes, in partnership with Instream Fisheries. 2014. Modeling water temperatures in the Fraser River watershed network. Mitacs.
- Moore, J.W.**, and C. Carr-Harris. 2013. Skeena River estuary juvenile salmon sampling. SkeenaWild.
- Van Poorten, B., and **J.W. Moore**. 2013. Arrow Lakes stable isotope analysis. B.C. Ministry of the Environment.
- Doier, J.V., Gottesfeld, A.S., and D. Macintyre. 2013-2014. Sockeye smolt enumeration at Babine Lake. Northern Fund. **J.W. Moore** serves as scientific advisor and co-wrote the proposal for this First Nations project.
- Moore, J.W.**, C. Carr-Harris, in partnership with Lax Kw'alaams First Nation. 2013. Skeena River sockeye salmon in the early marine ecosystem. Mitacs.
- Moore, J.W.** 2012-2017. Biodiversity shifts and freshwater ecosystem dynamics. NSERC Discovery Grant.
- Moore, J.W.** 2012. Coastal science and management research program. Canadian Foundation for Innovation.
- Moore, J.W.** 2011-2014. Start-up. Simon Fraser University.
- Moore, J.W.** 2011-2015. Liber Ero chair of Coastal Science and Management.
- Moore, J.W.**, and 3 others. 2010-2011. Investigations in Fisheries Ecology. JIMO/CIMEC.
- Moore, J.W.**, and 7 others. 2009-2010. Investigations in Fisheries Ecology. Joint Institute for Marine Observations (JIMO).
- Moore, J.W.**, S. Hayes, S. Sogard, N. Finnegan, and B. Dietterick. 2010-2011. Fire, food webs, and fish. RAPID grant, National Science Foundation.
- Finnegan, N., and **J.W. Moore**. 2010. Fire, food webs, and fish. University of California Santa Cruz.
- Moore, J.W.**, S. Sogard, and J.E. Merz. 2009-2011 Evaluating and predicting habitat suitability for California salmon: improving models through a holistic perspective. California Energy Commission.
- Shaffer, S.A., **J.W. Moore**, and S.H. Hayes. 2008-2011. Exploring the impacts of avian predators on central California salmonids. California Sea Grant.
- Barnett-Johnson, R., C.J. Donohoe, P.K. Weber, and **J.W. Moore**. 2008-present. Determining maternal origin and migratory histories of steelhead/rainbow trout from the Lower Mokelumne River using otolith microchemistry. EBMUD.
- Moore, J.W.** 2008. Impacts of dominant native and invasive species on stream ecosystems. University of California Santa Cruz, Faculty Research Grant.

Jonathan W. Moore

Curriculum Vitae

Barnett-Johnson, R., M. Carr, **J.W. Moore**, P. Weber, and P. Raimondi. 2008. Identifying critical habitats, tracking movement, and quantifying dispersal of larval fish in freshwater and marine ecosystems using otolith geochemistry. IGPP Mini-Grant.

Carlson, S.M., and **J.W. Moore**. 2008. Eco-evolutionary dynamics of the invasive New Zealand mudsnail. California Sea Grant.

AWARDS AND HONORS

Wilburforce Fellowship for Conservation Leaders	2015
J. C. Stevenson Lectureship, Canadian Fisheries and Aquatic Sciences Award	2014
National Research Council Postdoctoral Fellowship	2007
National Science Foundation Predoctorate Fellowship	2000-2005
<i>Discover</i> essay nominated for John Burroughs essay contest	2004
Best presentation by PhD student, School of Aquatic and Fisheries Sciences, UW	2003
Achievement Award for Graduate Students (ARCS)	2000-2003
Robert T. Paine Field Ecology Award, University of Washington	2003
Richard C. Snyder Award for Vertebrate Research, University of Washington	2002
Robert T. Paine Field Ecology Award, University of Washington	2001
Phi Beta Kappa, Carleton College	1999
GTE scholar-athlete award, Carleton College	1999
Environmental Sciences Research Support Grant, Carleton College	1997

PUBLICATIONS

Peer-reviewed publications

#	Citation	Impact Factor*
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In Review/Revision

Arbeider, M.², C. Sharpe², C. Carr-Harris², and **J.W. Moore**. *In review*. Integrating prey dynamics, diet, and biophysical factors across an estuary seascape for four fish species. Marine Ecology Progress Series.

Sharpe, C.², C. Carr-Harris², M. Arbeider², S.M. Wilson², and **J.W. Moore**. *In review*. Estuary habitat associations for juvenile Pacific salmon and pelagic fish: implications for coastal planning processes. Aquatic Conservation.

Vierros, M.K., A.-L. Harrison, M. Sloat, G. Ortuno, **J.W. Moore**, D. Dunn, Y. Ota, A. Cisneros, G. Shillinger, T.K. Watson, and H. Govan. *In review*. Considering Indigenous Peoples and local communities in governance of the global ocean commons. Conservation Biology.

Chezik, K.², S. Wilson², and **J.W. Moore**. *In review*. Spatial structuring of phenological match-mismatch in a highly migratory fish. Global Change Biology.

Bailey, C.², Andersson, L.C., M. Arbeider², K. Bradford, and **J.W. Moore**. *In review*. Salmon egg subsidies and interference competition among stream fishes. Environmental Biology of Fishes.

Phillis, C.C.², and **J.W. Moore**. *In review*. Evolutionary rescue in a migratory fish: an individual-based model of the evolution of anadromy in a steelhead/rainbow trout population. Ecology and Evolution.

Jonathan W. Moore

Curriculum Vitae

In Press

- 81 Pitman, K.², S. Wilson², E. Sweeny-Bergen², M. Beere, P. Hirshfield, and **J.W. Moore**. *Accepted*. Linking anglers, fish, and management in a catch-and-release steelhead trout fishery. *Canadian Journal of Fisheries and Aquatic Sciences*.
- 80 Westwood, A.R., M. Olszynski, C.H. Fox, A. Ford, A.L. Jacob, **J.W. Moore**, and W.J. Palen. *Accepted*. The role of science in contemporary Canadian environmental decision-making: the example of environmental assessment. *UBC Law Review*.

2018

- 79 Bailey, C.J.², D.C. Braun, D. McCubbing, J.D. Reynolds, B. Ward, T. Davies, and **J.W. Moore**. 2018. The roles of extrinsic and intrinsic factors in the freshwater life-history dynamics of a migratory salmonid. *Ecosphere* 9(9): e02397. 2.7
- 78 Carr-Harris, C.N.², **J.W. Moore**, A.S. Gottesfeld, J.A. Gordon, W.M. Shepert, J.D.J. Henry Jr, H.J. Russell, W.N.B. Helin, D.J. Doolan, and T.D. Beacham. 2018. Phenological diversity of salmon smolt migration timing within a large watershed. *Transactions of the American Fisheries Society* 147(5): 775-790. *Awarded cover photo. 1.7
- 77 Seifert, R.E.², **J.W. Moore**. 2018. Floodgate operations and fish communities in tidal creeks of the lower Fraser River (British Columbia, Canada). *Estuaries and Coasts* 41(4): 1206-1221. 2.4
- 76 Warkentin, L., C. Favaro², D. Scott², R. Seifert², and **J.W. Moore**. 2018. Urban planning for fishes: untangling a new project's effects from old infrastructure and regional patterns. *Canadian Journal of Fisheries and Aquatic Sciences*: 1-12. 2.7
- 75 Jacob, A.L., **J.W. Moore**, C.H. Fox, E.J. Sunter, D. Gauthier, A.R. Westwood, and A.T. Ford. 2018. Cross-sectoral input for the potential role of science in Canada's environmental assessment. *Facets* 3(1): 512-529. NA
- 74 **Moore, J.W.**, L. Nowlan, M. Olszynski, A. Jacob, B. Favaro, L. Collins, T.-L. Williams-Davison, and J. Weitz. 2018. Towards linking environmental law and science. *Facets* 3(1): 375-391. NA
- 73 Yeakel, J.D., J.P. Gibert, P.A.H. Westley, and **J.W. Moore**. 2018. Eco-evolutionary dynamics, density-dependent dispersal and collective behaviour: implications for salmon metapopulation robustness. *Philosophical Transactions of the Royal Society B* 373(1746): 20170018 5.6
- 72 Gross, L., A. Hettinger, **J.W. Moore**, and Liz Neeley. 2018. Conservation stories from the front lines. *PLOS Biology* 16(2): e2005226. 9.1

2017

- 71 Chezik, K.A.², S.C. Anderson, and **J.W. Moore**. 2017. River networks dampen long-term hydrological signals of climate change. *Geophysical Research Letters* 44(14): 7256- 4.3

Jonathan W. Moore

Curriculum Vitae

- 7264.
- 70 Atlas, W.², W. Housty, A. Beliveau, B DeRoy, G. Callegari, M. Reid, and **J.W. Moore**. 2017. Ancient fish weir technology for modern stewardship: lessons from community-based salmon monitoring. *Ecosystem Health and Sustainability* 3(6): 1341284. NA
- 69 Sergeant, C.J., J.R. Bellmore, C. McConnell, and **J.W. Moore**. 2017. High salmon density and low discharge create periodic hypoxia in coastal rivers. *Ecosphere* 8(6): e01846. 2.7
- 68 Brewitt, K.S.², E.M. Danner and **J.W. Moore**. 2017. Hot eats and cool creeks: juvenile Pacific salmonids use mainstem prey while in thermal refuges. *Canadian Journal of Fisheries and Aquatic Sciences* 74(10): 1588-1602. 2.7
- 67 Hussey, N., J. DiBattista, **J.W. Moore**, E. Ward, A. Fisk, S. Kessel, K. Feldheim, S. Gruber, T. Guttridge, O. Weideli, and D. Chapman. 2017. Risky business for a juvenile marine predator? Testing the influence of foraging strategies on size and growth rate under natural conditions. *Proceedings of the Royal Society B* 284 (1852): 20170166 4.8
- 66 **Moore, J.W.**, and J.D. Olden. 2017. Response diversity, non-native species, and disassembly rules buffer freshwater ecosystem processes from anthropogenic change. *Global Change Biology* 23(5): 1871-1880. 9.0
- 2016
- 65 **Moore, J.W.**, J. Gordon, C. Carr-Harris, A.S. Gottesfeld, S.M. Wilson², and J.H. Russell. 2016. Assessing estuaries as stopover habitats for juvenile Pacific salmon. *Marine Ecology Progress Series* 559: 201-215. 2.6
- 64 Nesbitt, H.K.², and **J.W. Moore**. 2016. Species and population diversity in Pacific salmon fisheries underpin indigenous food security. *Journal of Applied Ecology* 53(5): 1489-1499. 5.2
- 63 Scott, D.C.², M. Arbeider¹, J. Gordon¹, and **J.W. Moore**. 2016. Flood control structures in tidal creeks associated with reduction in nursery potential for native fishes and creation of hotspots for invasive species. *Canadian Journal of Fisheries and Aquatic Sciences* 73(7): 1138-1148. 2.7
- 62 Phillis, C.C.², **J.W. Moore**, M. Buoro, S.A. Hayes, J.C. Garza, and D.E. Pearse. 2016. Shifting thresholds: rapid evolution of migratory life histories in steelhead/rainbow trout, *Oncorhynchus mykiss*. *Journal of Heredity* 107(1): 51-60. *Cover photo*. 2.4
- 61 Braun, D.C.³, **J.W. Moore**, J. Candy, and R.E. Bailey. 2016. Population diversity in salmon: linkages among response, genetic and life history diversity. *Ecography* 39(3): 317-328. 4.9
- 2015
- 60 Frechette, D.², A.-M. K. Osterback², S.A. Hayes, **J.W. Moore**, S.A. Shaffer, M. Pavelka, C. Winchell, and J.T. Harvey. 2015. Assessing the relationship between gulls *Larus* spp. and Pacific salmon in Central California using radiotelemetry. *North American Journal of Fisheries Management* 35(4): 775-788. 1.0

Jonathan W. Moore

Curriculum Vitae

- 59 Atlas, W.I.², T.W. Buehrens, D.J.F. McCubbing, R. Bisson, and **J.W. Moore**. 2015. 2.7
Implications of spatial contraction for density dependence and conservation in a
depressed population of anadromous fish. *Canadian Journal of Fisheries and Aquatic
Sciences* 72(11): 1682-1693.
- 58 Osterback, A.-M. K.², D.M. Frechette², S.A. Hayes, S.A. Shaffer, and **J.W. Moore**. 2015. 4.7
Long-term shifts in anthropogenic subsidies to gulls and implications for an
imperiled fish. *Biological Conservation* 191: 606-613.
- 57 **Moore, J.W.**, C. Carr-Harris, A.S. Gottesfeld, D. Macintyre, D. Radies, M. Cleveland, C. 37.2
Barnes, W. Joseph, G. Williams, J. Gordon, and B. Shepert. 2015. Selling First
Nations down the river. *Science* 349(6248): 596.
- 56 Gordon, J.¹, M. Arbeider¹, D. Scott², S.M. Wilson, and **J.W. Moore**. 2015. When the tides 2.4
don't turn: Floodgates and hypoxic zones in the lower Fraser River, British
Columbia, Canada. *Estuaries and Coasts* 38(6): 2337-2344.
- 55 **Moore, J.W.** 2015. Whole-systems perspectives in rivers: insights and implications. 2.2
Integrated Environmental Assessment and Management 11(2): 335-336.
- 54 **Moore, J.W.** 2015. Bidirectional connectivity in rivers and implications for watershed 2.7
stability and management. *Canadian Journal of Fisheries and Aquatic Sciences*
72(5): 785-795.
- 53 Favaro, C.², and **J.W. Moore**. 2015. Fish assemblages and barriers in an urban stream 2.7
network. *Freshwater Science* 34(3): 991-1005.
- 52 Anderson, S.C.², **J.W. Moore**, M.M. McClure, N.K. Dulvy, and A.B. Cooper. 2015. 4.8
Portfolio conservation of metapopulations under climate change. *Ecological
Applications* 25(2): 559-572.
- 51 Carr-Harris, C.², A.S. Gottesfeld, and **J.W. Moore**. 2015. Juvenile salmon usage of the 2.8
Skeena River estuary. *PLoS ONE* 10(3): e0118988.
- 50 **Moore, J.W.**, M.P. Beakes², H.K. Nesbitt², J.D. Yeakel³, D.A. Patterson, L.A. Thompson, 5.2
C. Phillis², D.C. Braun³, C. Favaro², D.C. Scott², C. Carr-Harris², and W.I. Atlas².
2015. Emergent stability in a large, free-flowing watershed. *Ecology* 96(2): 340-347.
- 2014
- 49 Osterback, A.-M.K.², D.M. Frechette², S.A. Hayes, M.H. Bond, S.A. Shaffer, and **J.W. 2.7
Moore**. 2014. Linking individual size and wild and hatchery ancestry to survival and
predation risk of threatened steelhead (*Oncorhynchus mykiss*). *Canadian Journal of
Fisheries and Aquatic Sciences* 71(12): 1877-1887.
- 48 Phillips, D.L., R. Inger, S. Bearhop, A.L. Jackson, **J.W. Moore**, A.C. Parnell, B.X. 1.5
Semmens, and E.J. Ward. 2014. Best practices for use of stable isotope mixing
models in food web studies. *Canadian Journal of Zoology* 92(10): 823-835.
- 47 Favaro, C.², **J.W. Moore**, J.D. Reynolds, and M.P. Beakes². 2014. Potential loss and 2.7
rehabilitation of stream longitudinal connectivity: fish populations in urban streams
with culverts. *Canadian Journal of Fisheries and Aquatic Sciences* 71(12): 1805-
1816.
- 46 McKone, M.J., **J.W. Moore**, C.W. Harbison, I.C. Holmen¹, H.C. Lyons¹, K.M. Nachbor¹, 1.2

Jonathan W. Moore

Curriculum Vitae

- J.L. Michalak, M. Neiman, J.L. Nicol¹, and G.R. Wheeler¹. 2014. Rapid collapse of a population of *Dieffenbachia* spp., plants used for tadpole-rearing by a poison-dart frog (*Oophaga pumilio*) in Costa Rican rain forest. *Journal of Tropical Ecology* 30(6): 615-619.
- 45 **Moore, J.W.**, J.D. Yeakel³, D. Peard, J. Lough, and M. Beere. 2014. Life-history diversity and its importance to population stability and persistence of a migratory fish: steelhead in two large North American watersheds. *Journal of Animal Ecology* 83(5): 1035-1046. 4.8
- 44 Beakes, M.P.², **J.W. Moore**, S.H. Hayes, and S.M. Sogard. 2014. Wildfire and the effects of shifting stream temperature on salmonids. *Ecosphere* 5(5): 1-14. 2.6
- 43 **Moore, J.W.**, T.D. Lambert², W.N. Heady², S.E. Honig², A.-M.K. Osterback², C.C. Phillis², A.L. Quiros², N.A. Retford², and D.B. Herbst. 2014. Anthropogenic land-use signals propagate through stream food webs in a California, USA, watershed. *Limnologia* 46: 124-130. 1.8
- 42 Yeakel, J.D.³, **J.W. Moore**, P.R. Guimarães Jr., and M.A.M. de Aguiar. 2014. Synchronisation and stability in river metapopulation networks. *Ecology Letters* 17(3): 273-283. 10.7
- 41 Beakes, M.P.², **J.W. Moore**, N. Retford¹, R. Brown, J.E. Merz, and S.M. Sogard. 2014. Evaluating statistical approaches to quantifying juvenile Chinook salmon habitat in a regulated California River. *River Research and Applications* 30(2): 180-191. 2.0
- 40 Beakes, M.P.², S. Sharon¹, R. Charish¹, **J.W. Moore**, W.H. Satterthwaite, E. Sturm, B.K. Wells, S.M. Sogard, and M. Mangel. 2014. Using scale characteristics and water temperature to reconstruct growth rates of juvenile steelhead (*Oncorhynchus mykiss*). *Journal of Fish Biology* 84(1): 58-72. 1.7
- 2013
- 39 Scott, D.², **J.W. Moore**, L.-M. Herborg, C.C. Murray, and N.R. Serrao¹. 2013. A non-native snakehead fish in British Columbia, Canada: capture, genetics, isotopes, and policy consequences. *Management of Biological Invasions* 4(4): 265-271. NA
- 38 Parnell, A.C., D.L. Phillips, S. Bearhop, B.X. Semmens, E.J. Ward, **J.W. Moore**, A.L. Jackson, J. Grey, D.J. Kelly, and R.L. Inger. 2013. Bayesian stable isotope mixing models. *Environmetrics* 24(6): 387-399. 1.3
- 37 Semmens, B.X., E.J. Ward, A.C. Parnell, D.L. Phillips, S. Bearhop, R. Inger, A.L. Jackson, and **J.W. Moore**. 2013. Statistical basis and outputs of stable isotope mixing models: Comment on Fry (2013). *Marine Ecology Progress Series* 490: 285-289. 2.6
- 36 Osterback, A.-M.K.², D.M. Frechette², A.O. Shelton, S.A. Hayes, M.H. Bond², S.A. Shaffer, and **J.W. Moore**. 2013. High predation on small populations: avian predation on imperiled salmonids. *Ecosphere* 4(9): 1-21. 2.6
- 35 Frechette, D.², A.L. Collins², J.T. Harvey, S.A. Hayes, D.D. Huff, A.W. Jones², N.A. Retford¹, A.E. Langford¹, **J.W. Moore**, A.-M.K. Osterback², W.H. Satterwaite, and S.A. Shaffer. 2013. A bioenergetics approach to assessing potential impacts of avian predation on juvenile steelhead during freshwater rearing. *North American Journal of Fisheries Management* 33(5): 1024-1038. 1.5

Jonathan W. Moore

Curriculum Vitae

34 Heady, W.N.², and **J.W. Moore**. 2013. Tissue turnover and stable isotope clocks to quantify resource shifts in anadromous rainbow trout. *Oecologia* 172(1): 21-34. 3.0

33 Moore, K.D., and **J.W. Moore**. 2013. Ecological restoration and enabling behavior: a new metaphorical lens? *Conservation Letters* 6(1): 1-5. 4.4

2012

32 **Moore, J.W.**, S.M. Carlson, L.A. Twardochleb¹, J.L. Hwan², J.M. Fox, and S.A. Hayes. 2012. Trophic tangles through time? Opposing direct and indirect effects of an invasive omnivore on stream ecosystem processes. *PLoS ONE* 7(11): e50687. 4.2

31 Frechette, D. ², A.-M.K. Osterback², S.A. Hayes, M.H. Bond², **J.W. Moore**, S.A. Shaffer, and J.T. Harvey. 2012. Assessing avian predation on juvenile salmonids using passive integrated transponder tag recoveries and mark–recapture methods. *North American Journal of Fisheries Management* 32(6): 1237-1250. 1.6

30 **Moore, J.W.**, D.B. Herbst, W.N. Heady², and S.M. Carlson. 2012. Stream community and ecosystem responses to the boom and bust of an invading snail. *Biological Invasions* 14(11): 2435-2446. 3.0

29 Twardochleb, L.A.¹, M. Novak³, and **J.W. Moore**. 2012. Using the functional response of a consumer to predict biotic resistance to invasive prey. *Ecological Applications* 22(4): 1162-1171. *Awarded cover photo. 4.8

2011

28 Yeakel, J.D.², M. Novak³, P.R. Guimaraes, N.J. Dominy, P.L. Koch, E.J. Ward, **J.W. Moore**, and B.X. Semmens. 2011. Merging resource availability with isotope mixing models: the role of neutral interaction assumptions. *PLoS ONE* 6(7): e22015. 4.2

27 Novak, M. ³, **J.W. Moore**, and R.A. Leidy. 2011. Nestedness patterns and the dual nature of community reassembly in California streams: a multivariate permutation-based approach. *Global Change Biology* 17(12): 3714-3723. 8.9

26 **Moore, J.W.**, S.A. Hayes, W. Duffy, S. Gallagher, C.J. Michel², and D. Wright. 2011. Nutrient fluxes and the recent collapse of coastal California salmon populations. *Canadian Journal of Fisheries and Aquatic Sciences* 68(7): 1161-1170. 2.7

25 Ward, E.J., B.X. Semmens, D.L. Phillips, **J.W. Moore** and N. Bouwes. 2011. A quantitative approach to combine sources in stable isotope mixing models. *Ecosphere* 2(2): 1-11. 2.6

2003-2010

24 Flecker, A.S., P.B. McIntyre, **J.W. Moore**, J.T. Anderson, B.W. Taylor, and R.O. Hall, Jr. 2010. Migratory fishes as material and process subsidies in riverine ecosystems. *American Fisheries Society Symposium* 73(2): 559-592. NA

23 **Moore, J.W.**, M. McClure, L.A. Rogers², and D.E. Schindler. 2010. Synchronization and portfolio performance in threatened salmon. *Conservation Letters* 3(5): 340-348. 4.4

Jonathan W. Moore

Curriculum Vitae

- 22 Denton, K.P.², H.B. Rich, Jr., **J.W. Moore**, and T.P. Quinn. 2010. The utilization of a Pacific salmon (*Oncorhynchus nerka*) subsidy by three populations of charr (*Salvelinus* spp.). *Journal of Fish Biology* 77(4): 1006-1023. 1.8
- 21 **Moore, J.W.**, and D.E. Schindler. 2010. Spawning salmon and the phenology of emergence of stream insects. *Proceedings of the Royal Society B: Biological Sciences* 277: 1695-1703. 5.8
- 20 Yeakel, J.D.², B.D. Patterson, K. Fox-Dobbs, M.M. Okumura, T.E. Cerling, **J.W. Moore**, P.L. Koch, and N.J. Dominy. 2009. Cooperation and individuality among man-eating lions. *Proceedings of the National Academy of Sciences* 106(45): 19040-19043. 9.5
- 19 Semmens, B.X., E.J. Ward, **J.W. Moore**, and C.T. Darimont. 2009. Quantifying inter- and intra-population niche variability using hierarchical Bayesian stable isotope mixing models. *PLoS ONE* 4(7): e6187. 4.2
- 18 Zavaleta, E., J. Pasari², **J.W. Moore**, D. Hernández³, K.B. Suttle³, and C.C. Wilmers. 2009. Ecosystem responses to community disassembly. *The Year in Ecology and Conservation Biology* 1162(1): 311-333. NA
- 17 Semmens, B.X., **J.W. Moore** and E.J. Ward. 2009. Improving Bayesian isotope mixing models: a response to Jackson et al. (2009). *Ecology Letters* 12(3): E6-E8. 10.7
- 16 **Moore, J.W.**, D.E. Schindler, and C.P. Ruff¹. 2008. Habitat saturation drives thresholds in stream subsidies. *Ecology* 89(2): 306-312. 5.2
- 15 **Moore, J.W.**, and B.X. Semmens^{**}. 2008. Incorporating uncertainty and prior information in stable isotope mixing models. *Ecology Letters* 11(5): 470-480. 10.7
- 14 **Moore, J.W.**, and D.E. Schindler. 2008. Biotic disturbance and benthic community dynamics in salmon-bearing streams. *Journal of Animal Ecology* 77(2): 275-284. 4.8
- 13 **Moore, J.W.**, D.E. Schindler, J.L. Carter¹, J. Fox¹, J. Griffiths¹, and G.W. Holtgrieve. 2007. Biotic control of stream fluxes: spawning salmon drive nutrient and matter export. *Ecology* 88(5): 1278-1291. 5.2
- 12 Scheuerell, M.D., **J.W. Moore**, D.E. Schindler, and C.J. Harvey. 2007. Varying effects of anadromous sockeye salmon on the trophic ecology of two species of resident salmonids in southwest Alaska. *Freshwater Biology* 52(10): 1944-1956. 3.8
- 11 **Moore, J.W.** 2006. Animal ecosystem engineers in streams. *BioScience* 56(3): 237-246. 5.4
- 10 Francis, T.B.¹, D.E. Schindler, and **J.W. Moore**. 2006. Aquatic insects play a minor role in dispersing salmon-derived nutrients into riparian forests in southwestern Alaska. *Canadian Journal of Fisheries and Aquatic Sciences* 63(11): 2543-2552. 2.7
- 9 Brock, C.S., P.R. Leavitt, D.E. Schindler, S.P. Johnson, and **J.W. Moore**. 2006. Spatial variability of stable isotopes and fossil pigments in surface sediments of Alaskan coastal lakes: constraints on quantitative estimates of past salmon abundance. *Limnology and Oceanography* 51(4): 1637-1647. 3.6
- 8 Payne, L.X., and **J.W. Moore**^{**}. 2006. Mobile scavengers create hotspots of freshwater productivity. *Oikos* 115(1): 69-80. 3.3
- 7 Winder, M., D.E. Schindler, **J.W. Moore**, S.P. Johnson, and W.J. Palen. 2005. Do bears 2.7

Jonathan W. Moore

Curriculum Vitae

- facilitate transfer of salmon resources to aquatic macroinvertebrates? Canadian Journal of Fisheries and Aquatic Sciences 62(10): 2285-2293.
- 6 **Moore, J.W.**, D.E. Schindler, and M.D. Scheuerell. 2004. Disturbance of freshwater habitats by anadromous salmon in Alaska. *Oecologia* 139(2): 298-308. 3.0
- 5 **Moore, J.W.**, J.L. Ruesink, and K.A. McDonald. 2004. Impact of supply-side ecology on consumer-mediated coexistence: evidence from a meta-analysis. *The American Naturalist* 163(3): 480-487. 4.3
- 4 **Moore, J.W.**, and D.E. Schindler. 2004. Nutrient export from freshwater ecosystems by anadromous sockeye salmon (*Oncorhynchus nerka*). *Canadian Journal of Fisheries and Aquatic Sciences* 61(9): 1582-1589. 2.7
- 3 **Moore, J.W.**, and G.J. Kenagy. 2004. Consumption of shrews, *Sorex* spp., by Arctic Grayling, *Thymallus arcticus*. *The Canadian Field-Naturalist* 118(1): 111-114. 0.1
- 2 Schindler, D.E., M.D. Scheuerell, **J.W. Moore**, S.M. Gende, T.B. Francis, and W.J. Palen. 2003. Pacific salmon and the ecology of coastal ecosystems. *Frontiers in Ecology and the Environment* 1(1): 31-37. 8.3
- 1 **Moore, J.W.**, D.E. Schindler, M.D. Scheuerell, D. Smith and J. Frodge. 2003. Lake eutrophication at the urban fringe, Seattle region, USA. *Ambio* 32(1): 13-18. 3.6

Book Chapters

- Moore, J.W.** 2006. Trout. *Edited by:* Boersma, P.D., S.E. Reichard, and A.N. Van Buren. *Invasive Species in the Pacific Northwest*. Pages 164-165. University of Washington Press, Seattle.
- Moore, J.W.** 2006. Crayfish. *Edited by:* Boersma, P.D., S.E. Reichard, and A.N. Van Buren. *Invasive Species in the Pacific Northwest*. Pages 100-101. University of Washington Press, Seattle.

Other Publications (non-peer reviewed)

- Arbeider, M., and **J.W. Moore**. 2018. Eelgrass as vital nursery habitat for young salmon. *The Osprey*.
- Favaro, B., **J.W. Moore**, S.A. Fuller, S. Cooke. 2017. It's time to deliver a new Fisheries Act, say scientists. Op-Ed. *Toronto Times*.
- Jacob, A, et al. *Strong Foundations: a synthesis of recommendations for revising environmental legislation in Canada*. 2017.
- Dunn, D.C., G.O. Crespo, M. Vierros, D. Freestone, E. Rosenthal, S. Roady, A. Alberini, A.-L. Harrison, A. Cisneros, **J.W. Moore**, M.R. Sloat, Y. Ota, R. Caddell, and P.N. Halpin. 2017. Adjacency: How legal precedent, ecological connectivity, and traditional knowledge inform our understanding of proximity. Policy Brief from the NEREUS Program presented to the United Nations. <http://www.nereusprogram.org/category/policy-briefs/>
- Moore, J.W.**, A. Mooers, and P. Gallagher. 2017. The protection of Pacific Wild Salmon: Understanding potential risk factors and seeking solution. Recommendations from an International Think Tank on Salmon. Speaking for the Salmon Workshop, SFU.
- Moore, J.W.** 2016. Submission to the Expert Panel on Environmental Assessment. Nanaimo, BC.

Jonathan W. Moore

Curriculum Vitae

Moore, J.W., and 134 other scientists. 2016. Scientific flaws in assessment of environmental risks from the proposed Pacific NorthWest Liquefied Natural Gas facility at Lelu Island, Skeena River estuary. Open letter to Honourable Prime Minister Trudeau, Honourable Catherine McKenna, Honourable Hunter Tootoo, Honourable Jim Carr, Honourable Jody Wilson-Raybould. 9 pages.

Moore, J.W., C. Carr-Harris, and J. Gordon. 2015. Salmon science as related to proposed development in the Skeena River estuary. Report to: Lax Kw'alaams and Skeena Fisheries Commission. 54 pages.

Carr-Harris, C., and **J.W. Moore**. 2015. Briefing Document: PNW LNG and Risks to Fish and Fisheries. Report to: Federal Environmental Assessment Agency and Lax Kw'alaams First Nation.

Tallis and ~238 co-signatories. 2014. Working together: A call for inclusive conservation. *Nature* 515: 27-28.

Kapps, K.A., C.L. Atkinson, A. Rugenski, C. Baxter, K.S. Boersma, C.C. Carey, P.B. McIntyre, **J.W. Moore**, W.H. Nowlin, and C.C. Vaughn. 2012. Impacts of species addition and species loss on ecosystem function in freshwater systems. *Bulletin of the Ecological Society of America* 93(4): 402-408.

Moore, K.D, and **J.W. Moore**. The Gift of Salmon. 2003. *Discover*: 44-49.

Moore, J.W. 2001. Fly-Fishing from Scratch. *Field and Stream* 105: 20-21.

Superscripts

**Information from GoogleScholar, December 2016. H-index is 25; total number of citations is 2539.*

***Shared first authorship*

¹Undergraduate at time of research

²Graduate student at time of research (restricted to when JWM was a faculty member)

³Postdoctoral researcher at time of research (restricted to when JWM was a faculty member)

Photography

University of Washington, School for Environment, Calendar, 2014.

Ecological Applications, Cover Photograph, 2012.

Ecology, Cover Photograph, 2007.

ENGAGEMENT WITH ENVIRONMENTAL DECISION-MAKING AND POLICY

Price, M., I. Cote, **J.W. Moore**, and 10 co-authors, with 200 co-signatories. 2018. Open letter to BC Premier John Horgan about BC environmental assessment.

Invited phone meeting with member of the Canadian Environmental Assessment Agency (CEAA). Sept 2018.

Union of B.C. Municipalities passed resolution B119 to “upgrade flood infrastructure to consider fish and access fish habitat”. This was inspired by Watershed Watch’s Connected Waters campaign, stemming from our research on floodgates in the lower Fraser River. Sept 2018.

Affidavit submitted in court cases of: SkeenaWild v. Pacific Northwest LNG and the Government of Canada, Gitanyow First Nation v. Pacific Northwest LNG and the Government of Canada, and upriver Nations v. Pacific Northwest LNG and the Government of Canada. 2017. This affidavit contained scientific papers from our group relevant to environmental assessment of PNW LNG in the Skeena River estuary.

Jonathan W. Moore

Curriculum Vitae

Moore, J.W. Written submission to Provincial panel examining professional reliance in resource management. 2018.

Moore, J.W. Oral and written submission to the Expert Panel on Environmental Assessment. Nanaimo, BC. Dec, 2016.

Moore, J.W. Written submission regarding Terms of Reference for Expert Panel on Environmental Assessment. Oct, 2016.

Moore, J.W. Briefing notes to Member of Parliament Nathan Cullen regarding Skeena Estuary salmon science and PNW LNG. 2016.

Moore, J.W. Scientific expert for Saik'uz First Nation and Stellat'en First Nation for potential litigation against Rio Tinto Alcan. 2016.

First Nations Chiefs and **J.W. Moore** met with Members of Cabinet from DFO, NRCAN, CEAA regarding PNW LNG (Ottawa). March, 2016.

Moore, J.W. and 134 scientists. Scientific Flaws in the Environmental Assessment of PNW LNG. Open letter to Prime Minister and other Members of Cabinet. March 10, 2016.

Invasive species legislation. Collaborated with Ministry of Environment to study a nonnative snakehead fish found in Burnaby, B.C. Led to new legislation banning all snakeheads, and numerous other potentially invasive fishes, from possession, transport, trade, and breeding in British Columbia. 2013.

MEDIA

- Glacier retreat and salmon. Coverage of Glaciers and Salmon Futures working group. 2018. <http://glacierhub.org/2018/11/01/human-interference-in-the-pacific-northwest-alaska-will-wild-salmon-survive/>.
- Pinks and Steelhead. Coverage of Bailey et al. 2018. <https://www.tu.org/blog-posts/pinks-and-steelhead>
- Water connects for better or worse. Coverage of ASLO plenary. Oct 2018. <https://aslopubs.onlinelibrary.wiley.com/doi/10.1002/lob.10265>
- When scientists become storytellers. Coverage of Gross et al. 2018. Conservation Stories from the Front Lines. <https://psmag.com/environment/when-scientists-become-storytellers-plos-biology> June 2018.
- Science in environmental assessments. Coverage of Jacob et al. 2018. National Observer. DeSmog Canada. May 10, 2018.
- Featured Scientist. Jon was the featured scientist for the Canadian Scientist conversation, hosted by Evidence for Democracy. March 2018. <https://storify.com/E4Dca/cdnscichat-april-2018>
- Fantasy Island: Exporting British Columbia's abundant energy resources should have been a slam dunk. How did a multibillion-dollar dream go up in smoke? Jan 16, 2018, Feature Article in Foreign Policy. Quotes Moore and discusses research findings.
- The crucial link between the life cycle of the sockeye and the environment. Jan 11, 2018. The Manitoban. Discusses Moore et al. Science paper.
- *Featured Researchers*. Dec 12, 2017. SFU Faculty of Science.
- *Where are the salmon? The Orcas want to know* (Features work by Seifert and Moore on floodgates). Nov 27, 2017. West Coast Environmental Law Blog.

Jonathan W. Moore

Curriculum Vitae

- *A great victory for Skeena River Salmon in LNG Project Demise.* (Discussed role of collaborative science in illuminating the risks of PNW LNG). Oct 17, 2017. Osprey.
- *Towards fish-friendly flood protection.* (Coverage of Seifert and Moore Estuaries and Coasts). Oct 5, 2017. CBC, GeorgiaStraight, MetroNews Canada, CBC radio, FIS.
- *Community research on migratory whitefish.* (Coverage of new collaborative work by postdoc Emma Hodgson on Peel River). CBC North.
- *'Our salmon will not survive': Gitksan Nation raising funds to fight Pacific Northwest LNG in court* (Features JW Moore and Skeena Research). March 27, 2017. Desmog Canada.
- *Winners, losers among fish when landscapes change* (Coverage of Moore and Olden Global Change Biology). Feb 8, 2017. UW Today, SFU, Journal of the San Juan Islands.
- *Indigenous groups concerned about LNG pipeline project.* (Features JW Moore and Skeena research). Jan 30, 2017. The Peak.
- *So you want to change the world?* (Features JW Moore and Skeena research). Dec 22, 2016. Nature.
- *The Skeena Estuary as salmon stopover habitat.* (Coverage of Moore et al. Marine Ecology Progress Series). Nov 9, 2016. CBC, Globe and Mail, Nature, Desmog Canada, National Observer. MetroNews Vancouver.
- *BC First Nations and environmental groups disappointed in Trudeau's LNG decision.* (Quotes JW Moore). Nov 2, 2016. Toronto NOW.
- *What makes good science and who decides?* (Quotes JW Moore) Nov 1, 2016. Alberta Outdoorsmen.
- *Occupying the Skeena.* Features collaborative Skeena research. (Quotes JW Moore) Nov 1, 2016. Fly-fisherman.
- *The 40 year old study that should have killed PNW LNG.* (Quotes JW Moore) Sept 29, 2016. Desmog Canada.
- *Canada aims to rewrite environmental law.* (Quotes JW Moore) Sept 29, 2016. Science.
- *The Nursery: Unlocking the habitat secrets of one of the planet's most important salmon fisheries—and the specter of industrial development that threatens its very existence.* (Focal article on collaborative Skeena research). Sept 21, 2016. bioGraphic <http://biographic.com/posts/sto/the-nursery>
- *Divide and conquer: At the centre of the biggest resource deal in Canada, a town is torn apart.* Discourse Media. <http://www.towardreconciliation.discoursemedia.org/investigation/divide-and-conquer/>
- *Flood control structures in tidal creeks and sloughs harm fish in the lower Fraser River.* (Coverage of Scott et al. 2016) April 28, 2016, Vancouver Sun, The Province, Global News, TheEcoreport.com, SFU News, Watershed Watch Press Release (<https://www.watershed-watch.org/resources/salmon-news-summary-for-may-4-2016-2/>), Raincoast (<http://www.raincoast.org/2016/05/flood-control-structures-fraser-river/>).
- *Salmon biodiversity supports First Nations fisheries.* (Coverage of Nesbitt and Moore 2016), July 8, 2016. Vancouver Sun, Globe and Mail, West Coast Environmental Law Blog.
- *A Pacific Salmon hub is under threat.* (Covers Skeena research) April 26, 2016, National Geographic.
- *135 scientists critique Skeena Estuary environmental assessment,* letter led by J.W.Moore. March 10, 2016. Print, radio, and TV coverage across Canada, including: Vancouver Sun, Vancouver

Jonathan W. Moore

Curriculum Vitae

Province, Globe and Mail, Times Colonist, Huffington Post, Tyee, Canadian Business, Canadian Manufacturing, Terrace Standard, Northern View, CFNR, Alaska Highway News, Vancouver Metro, Vancouver Province, Calgary Herald, Saskatoon Star Phoenix, Montreal Gazette, Ottawa Citizen, Ottawa Community News, Inside Toronto, Waterloo Chronicle, Halifax Chronicle Herald, Prince George Citizen, Guelph Tribune, Guelph Today, Windsor Star, Kitchener Post, Huffington Post, The Battlefords (Saskatchewan), Lillooet News, Grand Forks Gazette, Goldstream Gazette, New Hamburg Independent, Kingston, Kelowna, CBC radio, CBC Kelowna, Day Break North, News 1130 (Vancouver), 680 News. CJME (Saskatchewan) Radio Canada.

- *Science, Industry, and Salmon*. Feb 17, 2016, World Herald.
- *Declaration of Protection by Tribal Chiefs of Skeena Estuary*. Jan 22-24, 2016. (Coverage of Salmon Summit where J.W.Moore presented): CTV News, The Tyee, Intercontinental Cry, Bezinga, 660news.com, CBC news, VICE NEWS, Indian Country News, BC Business, and 70 other articles.
Video of event (<https://www.facebook.com/SkeenaWild/videos/946635742052589/?pnref=story>) has been viewed over 69,000 times.
- *Unnatural balance: how food waste impacts world's wildlife*. (Coverage of Osterback et al. 2015 Biological Conservation): eYale360.
- *Opinion: Faulty science muddies waters of LNG plan for Lelu Island*. Dec 15, 2015. The Vancouver Sun.
- *The Dubious Environmental Science Behind a \$36B Energy Project in BC*. Nov 26, 2015. VICE NEWS.
- *Risks of Petronas LNG to salmon*. Nov, 2015. Globe and Mail.
- *Scientific update on PNW LNG and Salmon*. Sept, 2015: The Northern View.
- *Grand Central Station for Salmon*. August, 2015. (Coverage of Moore et al. Science 2015): Globe and Mail; Vancouver Sun; CBC Early Edition; Desmog; Warrior Publications; The Fish Site; Digital Journal; Tyee; CJFW.FM; CFTK-TV.com; Olduvia.com; reddit.com; shalemartets.com; rbwebnews.com; Business in Vancouver.
- *The problem with (self-regulated) environmental assessments*. July, 2015. BC Business. *National Magazine Award Winner.
- *mySFU story, 50th anniversary campaign*. Globe and Mail.
- *Think like a watershed*. Feb, 2015. (Coverage of Moore et al. Ecology 2015): Vancouver Sun.
- *Salmon habitat in the Skeena estuary and LNG development*. July 2014. (Coverage of Carr-Harris, Gottesfeld, and Moore 2014). Vancouver Observer.
- *Snakehead science*. November 2013. (Coverage of Scott et al. 2013): Burnabynow.com; Vancouver Observer; and >40 more articles
- *Snakehead discovery*. May 2012: thestar.com; Globe and Mail; BCinvasives.ca; Burnabynowleader.com; CBC.ca; Yahoo!; Vancouver Sun; Burnaby Now.

*Tracked media since 2012.

Jonathan W. Moore

Curriculum Vitae

ACADEMIC MENTORING

Postdoctoral researcher

- Kyle Wilson, SFU, 2018-present.
Emma Hodgson, SFU. Liber Ero Fellow. 2017-present.
Paul Weidman, SFU, coadvised. Mitacs Fellow. 2015-2017.
Eduardo Martins, SFU, coadvised. Liber Ero Fellow. 2015-2016. Current position: University of Northern British Columbia.
Joel Harding, SFU, coadvised. Mitacs Fellow. 2015-2016.
Current position: Fisheries and Oceans Canada, Whitehorse.
Justin Yeakel, SFU. 2012-2014.
Current position: Assistant Professor, University of California Merced.
Doug Braun, SFU. 2013.
Current position: Fisheries and Oceans Canada, Burnaby.
Mark Novak, UCSC (co-advised by M. Tim Tinker), 2008-2011.
Current position: Assistant Professor, Oregon State University.

Graduate students

- Alex Sawyer (degree sought: Masters), SFU Biological Sciences, 2019-present.
Anna Potapova (degree sought: Masters), SFU Biological Sciences, 2019-present.
Nikki Kroetsch, (degree sought: Masters), SFU REM, 2018-present. Co-advised by David Patterson.
Karlene Loudon (degree sought: Masters), SFU REM, 2018-present. Co-advised by David Patterson.
Danielle LoScerbo (degree sought: Masters), SFU REM, 2018-present. Co-advised by David Patterson.
Luke Warkentin (degree sought: Masters), SFU Biological Sciences, 2018-present.
Karl Seitz (degree sought: Masters), SFU Biological Sciences. 2017-present.
Elissa Sweeney-Bergen (degree sought: Masters), SFU Biological Sciences. 2017-present.
Colin Bailey (degree sought: Ph.D.), SFU Biological Sciences, 2015-present.
Samantha Wilson (degree sought: Ph.D.), SFU Biological Sciences, 2015-present.
Kara Pitman (degree sought: Ph.D.), SFU Biological Sciences, 2015-present.
Will Atlas (degree sought: Ph.D.), SFU Biological Sciences, 2014-present.
- Kyle Chezik (degree awarded: Ph.D.), SFU Biological Sciences, 2013-2019. Current position: Data Science Fellow with Insight Data Science
Michael Arbeider (degree awarded: Masters), SFU Biological Sciences, 2016-2018. Current position: Fisheries and Oceans Canada.
Audrey Laine (host for visiting graduate student from France), 2016.
Ciara Sharpe (degree awarded: Masters), SFU Biological Sciences, 2015-2017. Current position: Fisheries Biologist working with northern BC First Nations.
Rebecca Seifert (degree awarded: Masters of Resource Management), SFU REM, 2013-2016. Current position: Ministry of Environment.
Charmaine Carr-Harris (degree awarded: Masters), SFU Biological Sciences, 2012-2015.
Current position: Biologist, Fisheries and Oceans Canada.
David Scott (degree awarded: Masters of Resource Management), SFU REM, 2012-2014.
Current position: Raincoast.
Michael Beakes, (degree awarded: Ph.D.), SFU, 2009-2014.
Current position: California Fish and Game.
Corey Phillis, (degree awarded: Ph.D.), SFU, 2008-2014.
Current position: Research Specialist (Data Analyst), Metropolitan Water District of Southern California.
Ann-Marie Osterback, (degree awarded: Ph.D.), UCSC, 2008-2014.
Current position: NOAA, Southwest Fisheries Science Center.
Holly Nesbitt, (degree awarded: Masters of Resource Management), SFU REM, 2011-2014.

Jonathan W. Moore

Curriculum Vitae

Current position: Associate at Compass Resource Management.
Corinna (Lichota) Favaro, (degree awarded: MSc), SFU Biological Sciences, 2011-2013.
Current position: Fisheries and Oceans Canada, Newfoundland.
Walter Heady (degree awarded Ph.D.), UCSC, 2008-2012. Co-advised by Dr. Mark Carr.
Current position: Coastal Marine Ecologist at The Nature Conservancy.

Research Technicians

Lauren Law, Lab Manager, SFU, 2018-present.
Luke Andersson, Lab Manager, SFU, 2016-2018.
Courtney DesLauriers, Data Manager, SFU, 2017-2018.
Kirsten Bradford, Laboratory Technician, SFU, 2016-2018.
Erik Olson, Laboratory Technician, SFU, 2017-2018.
Nikki Kroetsch, Laboratory Technician, SFU, 2017-2018.
Megan Vaughn, Lab Manager, SFU, 2015-2016.
Samantha Wilson, Lab Manager, SFU, 2013-2015.
Current position: PhD student, SFU.
Ellika Crichton, Research Technician, SFU, 2014.
Current position: Vancouver Aquarium.
Jen Gordon, Research Technician, SFU, 2013-2014.
Current position: Fisheries Biologist, Lax Kw'alaams First Nation.
Angela Fortune, Research Technician, SFU, 2013-2014.
Current position: graduate student, University of Victoria.
Will Atlas, Lab Manager, SFU, 2012-2013.
Current position: graduate student, SFU.
Emma Hodgson, Research Technician, SFU, 2011-2012.
Current position: graduate student, NSF fellow, University of Washington.
Justin Fox, Research Technician, Ecology and Evolutionary Biology, UCSC, 2009.
Current position: Director Business Development at Concero Search Partners, LLC
Laura Twardochleb, Research Technician, Ecology and Evolutionary Biology, UCSC, 2009.
Current position: graduate student, NSF fellow, University of Washington.
Cristina Cois, Research Technician, Ecology and Evolutionary Biology, UCSC, 2009.
Current position: Lab Manager, UC Berkeley, Insect Population Ecology Laboratory.

Undergraduate students

Jordan Stewart, Independent Study Student, SFU, 2019-present.
Sarah Gutzmann, Independent Study Student, SFU, 2019-present.
Mikayla More O'Ferrall, Undergraduate Technician, SFU, 2017-present.
Leama Vallely, Independent Study Student, SFU, 2018.
Griffin Dare, Honours Student, SFU, 2018. Co-supervised by Wendy Palen.
Reo Zukashi, Work-Study Student, SFU, 2017-2018.
Carolina Costa-Giomi, Work-Study Student and NSERC USRA, SFU, 2018.
Nikki Kroetsch, NSERC USRA, SFU, 2017-2018.
Sarah Gutzmann, NSERC USRA, SFU, 2017.
Frances Ramsey, NSERC USRA, SFU, 2017.
Jonny Van Elselander, work study student, SFU, 2016.
Kirsten Bradford, NSERC USRA, SFU, 2016.
Christopher Pan, NSERC USRA, SFU, 2016.
Heather Adams, ISS, SFU, 2015.
Luke Warkentin, ISS, SFU, 2015.
Current position: Environmental Consulting
Kirsten Bradford, NSERC USRA, SFU, 2015.
Ellika Crichton, VPR USRA, SFU, 2014.
Daniel Tan, NSERC USRA, SFU, 2014.
Michael Arbeider, NSERC USRA, SFU, 2013-2014.

Jonathan W. Moore

Curriculum Vitae

Current position: Masters student, SFU. Award: Best Undergraduate Research—Biology.
Jen Gordon, VPR USRA, SFU, 2013.

Current position: Fisheries Biologist, Lax Kw'alaams First Nation.
Angela Fortune, Independent study and volunteer, SFU, 2012-2013.

Current position: graduate student, University of Victoria.
Angeleen Olson, Honours undergraduate, SFU, 2012-2013.

Current position: graduate student, University of Victoria.
Steve Sharon, Honours undergraduate, SFU, 2011-2012.

Current position: graduate student, Western Ontario.
Rachel Charish, Honours undergraduate, SFU, 2011-2012.
Greg Lee, ISS, SFU, 2011.

Umami, Ecology and Evolutionary Biology, UCSC, 2010.

Alina Langford, Ecology and Evolutionary Biology, UCSC, 2010. Award recipient.

Annie Keating, Ecology and Evolutionary Biology, UCSC. 2009.

Regina Thill, Ecology and Evolutionary Biology, UCSC. 2009.

Sam Bourett, Ecology and Evolutionary Biology, UCSC. 2009.

Nic Retford, Ecology and Evolutionary Biology, UCSC. 2009.

Ian Ralston, Environmental Studies, UCSC. 2008.

Michael Durighello, Environmental Studies, UCSC. 2008.

Graduate Committees

Exam committee member:

Arthur Bass (PhD external examiner, University of British Columbia 2018)

Cameron Freshwater (PhD external examiner, University of Victoria 2017)

Eric Angel (PhD internal examiner, SFU 2017)

Mike Malick (PhD internal examiner, SFU 2017)

Jonathan Ebel (PhD external examiner, Memorial University 2016)

Jean Polfus (PhD external examiner, University of Manitoba 2016)

Eric Hertz (PhD external examiner, University of Victoria 2016)

Nicola Smith (Candidacy examiner, SFU 2015)

Kirsten Gorman (PhD defense examiner, SFU 2015)

Rowan Trebilco (PhD defense examiner, SFU 2014)

Stephanie Green (PhD defense examiner, SFU 2012)

Conan Phelan (PhD defense examiner, SFU 2012)

Chantale Begin (PhD defense examiner, SFU 2012)

Will Atlas (public examiner, MSc defense, SFU 2012)

Grahame Gielens (public examiner, MSc defense, SFU)

Sherri Elwell (public examiner, MSc defense, SFU)

Jill Olin (external examiner, PhD defense, University of Winsor 2011)

Joel Harding (SFU 2011)

Angela DeQuiros (UCSC)

Corey Phillis (UCSC)

Ann-Marie Osterback (UCSC)

Kim Brewitt (UCSC)

Erin McCreless (UCSC)

Helen O'Brien (UCSC)

Ashley Rogers (UCSC)

Thesis committee member:

Tyler Kelly (SFU, 2016-present)

Nico Munoz (SFU, 2016-present)

Feng Lin (SFU, 2016-present)

Rylee Murray (SFU, 2015-present)

Jenny Bigman (SFU, 2015-present)

Pascale Gibeau (SFU, 2013-present)

Jonathan W. Moore

Curriculum Vitae

Marlene Wagner (SFU, 2013-present)
Brett Howard (SFU, 2013-present)
Emily Whattam (SFU, 2011-present)
Fiona Francis (SFU, 2015-2019)
Stacey Hrushowy (SFU, 2015-2018)
Gabby Pang (SFU, 2015-2018)
Luis Cruz (SFU, 2013-2017)
Joshua Silberg (SFU, 2013-2015)
Sean Anderson (SFU, 2012-2015)
Jenny Linton (SFU, 2011-2015)
Jeanette Bruce (SFU, 2011-2014)
Kim Brewitt (UCSC, Ph.D., 2009-2014)
Brittany Keeling (SFU, 2011-2013)
Evan Henderson (SFU, 2011-2012)
Cyril Michel (UCSC, 2008 - 2010)

WORKING GROUPS AND COLLABORATIONS

Central Coast Salmon Conservation

Expert member, conservation planning meeting (2018).

Salmon Future: Glacial Retreat and Salmon.

This working group brought together 15 scientists from England, Alaska, California, Washington, Oregon, and Canada to discuss how glacial retreat may shift salmon habitat. This working group was a part of the Salmon Science Network grant that I co-lead, funded by the Gordon and Betty Moore Foundation. I was one of three co-lead organizers of this workshop.

International Year of the Salmon

Steering committee member (2017-present).

Nicola Research & Technical Committee

Committee member (2017-present). The NRTC is a technical group that guides the development of research and operational projects in the Nicola watershed. The purpose of the NRTC is to support operational and research projects based on information and feedback from Nicola watershed land and water operators/managers including the Nicola Tribal Association, Ministry of Forests, Lands, Natural Resource Operations and Rural Development, and Fisheries and Oceans Canada.

Speaking for the Salmon Think Tank.

This Think Tank brought together approximately 30 scientists from the US, Ireland, Norway, Iceland, Atlantic Canada, and Pacific Canada from governmental, academic, private, and indigenous sectors to discuss the state of BC salmon and potential management actions given stressors such as aquaculture. My role was as a member of Steering Committee, Moderator, and Presenter of findings. Simon Fraser University (2016).

Wild Salmon Center

Science advisory panel (2016-present).

R training for First Nations fisheries biologists

Workshop was a collaboration between Moore lab and Skeena Fisheries Commission. Prince Rupert (2016).

Transboundary Rivers

Expert member; international scientific think-tank (2015).

Jonathan W. Moore

Curriculum Vitae

Taking Stock of Salmon

Expert member—Moore Foundation Program Review, Workshop participant (2015).

National Center for Ecological Analyses and Synthesis

Exxon Valdez Oil Spill—Portfolio effects. Workshop participant (2014-2015).

Scientific advisor for First Nations in Skeena River watersheds.

Build capacity and serve in advisory role for key scientific and management decisions among First Nations groups. Works closely with Skeena Fisheries Commission, Lake Babine Nation, Lax Kw'alaams First Nation.

Member of *Aboriginal Independent Scientific Review Team*; a small group of lawyers, scientists, and First Nations community leaders providing scientific interpretation of proposed industrial developments in the Skeena River (2013-2014).

Technical advisory committee

Appointed member of a scientific advisory team for a cumulative effects process for Skeena River, organized by the Pacific Salmon Foundation (2014-2015).

Expert Scientific Contributor

World Wildlife Foundation, Skeena cumulative effects framework (2015).

Metlakatla First Nation, Skeena estuary cumulative effects framework (2014 – 2015).

Liber Ero postdoctoral program

Designed and implemented national postdoctoral research program for conservation science.

Served on Advisory Board (2013 - 2014).

Other scientific communication and leadership

Moderator and steering committee member, Open House, Centre for Coastal Studies, SFU 2014.

Moderator, Charting Healthy Oceans, Centre for Coastal Studies, SFU 2013.

Moderator and steering committee member, Open House, Centre for Coastal Studies, SFU 2013.

Steering committee, Speaking for the Salmon. Centre for Coastal Studies, SFU 2013.

Steering committee, Speaking for the Salmon. Centre for Coastal Studies, SFU 2011.

Organizer for Coast2Coast seminar series that linked 32 institutions across Canada, *Open Communication of Science*, IRMACS, 2012.

Stable Isotope Mixing Models

Trinity University, Dublin, Ireland (2013)

SERVICE

Service to Simon Fraser University

Community-engaged research (University-level), 2018-present.

Steering Committee, Pacific Water Research Centre, 2017- present.

Terrestrial Ecology Search Committee, Biological Sciences, 2016-2017.

Tenure and Promotion, REM, 2016-2018.

Departmental Scholarship Committee (DSC), Biological Science, 2014-present.

Undergraduate committee, REM, 2012-2017.

Appointments committee, Biological Sciences, 2016-2017.

Undergraduate awards committee, REM, 2016-2017.

Tenure and Promotion, REM, 2013-2014.

Appointments Committee, Biological Sciences, 2014-2015.

Tenure and Promotion, Biological Sciences, 2013-2014.

Tenure and Promotion, REM, 2013-2014.

Search committee, Avalanche Chair. REM, 2013.

Search committee, lecturer. Biological Sciences, 2012.

Jonathan W. Moore

Curriculum Vitae

Tenure and Promotion, REM, 2011-2012.

Steering committee, Ecological Restoration Program, Faculty of Environment, 2011-2016.

Professional Service

Society Memberships

American Fisheries Society

North American Benthological Society

American Society of Limnology and Oceanography

Ecological Society of America

Editorial responsibilities

Subject matter editor for:

Oikos (2009 to 2014)

Guest editor for:

Ecological Applications (2012)

Grant reviewer for:

National Science Foundation (NSF)

National Geographic Society (NGS)

National Sciences and Engineering Research Council of Canada (NSERC)

University of Alaska Fairbanks student grant competition

Alaska SeaGrant

Manuscript reviewer for:

Aquatic Ecology, Biological Conservation, BioScience, Canadian Journal of Fisheries and Aquatic Sciences, Conservation Letters, Ecological Applications, Ecological Monographs, Ecological Research, Ecology, Ecology of Freshwater Fishes, Ecology Letters, Ecosphere, Ecosystems, Functional Ecology, Freshwater Ecology, Freshwater Science, Frontiers in Ecology and the Environment, Global Change Biology, Journal of Animal Ecology, Journal of Applied Ecology, Journal of Freshwater Ecology, Journal of Limnology, Journal of the North American Benthological Society, Lake and Reservoir Management, Limnology and Oceanography, Marine Ecology, Marine Ecology Progress Series, North American Journal of Fisheries Management, Northwest Science, Oikos, Proceedings of the National Academy of Sciences, Proceedings from the Royal Academy of London, Scientific Reports.

PRESENTATIONS

Invited Scientific Presentations

Moore, J.W. *Invited talk.* Hidden Salmon Biodiversity in an Era of Global Change. FFSBC-BC Government Fisheries Technical Committee Meetings. Kelowna, BC. 2019.

Moore, J.W. *Invited talk.* Shifting marine mammals and salmon. Pew Marine Fellows Annual Meeting. Sooke, BC. 2018.

Moore, J.W. *Invited talk.* Salmon genetics for stewardship. Nuu-Chah-Nulth Tribal Council. Anacla, BC. 2018.

Moore, J.W. *Invited talk.* The influence of climatic conditions and land and water use on water temperatures. Nicola Basin Collaborative Research and Technical Committee. Merritt, BC. 2018.

Moore, J.W. *Invited webinar.* Estuary function. Hosted by Bird Studies Canada and Our Living Waters. 2018.

Jonathan W. Moore

Curriculum Vitae

Moore, J.W. *Invited plenary presentation.* Connections and resilience in salmon watersheds. American Society of Limnology and Oceanography. 2018. Victoria, BC. This international conference brought together scientists from at least 40 countries.

**This presentation received press coverage:

<https://aslopubs.onlinelibrary.wiley.com/doi/10.1002/lob.10265>

Moore, J.W. *Invited talk.* Climate resilience in salmon watersheds. NSERC visit. 2018. SFU.

Moore, J.W. *Invited talk.* How to give a conference presentation. Faculty of Environment Graduate Student Research Day. 2018. SFU.

Moore, J.W., *Invited talk.* Oregon Division of the American Fisheries Society. 2018. Eugene, OR.

Moore, J.W., *Invited speech.* Gitwilgyoots Tribe, Traditional Feast. 2017. Prince Rupert, BC.

Moore, J.W., *Invited talk.* Watershed connections in environmental decisions. 2017. Canadian Society of Ecology and Evolution. Victoria, BC.

Moore, J.W., *Invited feature presentation.* 2017. Collaborative Skeena Salmon Science. World Wildlife Federation. Wosk Centre for Dialogue. Vancouver, BC.

Moore, J.W. *Invited presentation.* 2017. Wild Salmon Science Network. International Year of the Salmon Planning Meeting. Delta, BC.

Moore, J.W., C. Carr-Harris, J. Gordon 2016. *Invited talk.* Science in environmental decision-making. North American Congress for Conservation Biology, Madison, Wisconsin.

Moore, J.W. 2016. *Invited seminar.* Science in environmental decision-making. Carleton College.

Moore, J.W. 2016. *Invited talk.* Making the invisible migration less invisible. Invisible Migration Celebration. Prince Rupert.

Moore, J.W. 2016. *Invited seminar.* SFU salmon science. Skeena Fisheries Commission. Prince Rupert.

Moore, J.W. 2016. *Invited talk.* Challenges and opportunities for salmon habitat management. First Nations Wild Salmon Alliance. Vancouver.

Moore, J.W. 2016. *Invited talk.* LNG and salmon: what does the science say? Presentation to the Union of British Columbia Indian Chiefs. Musqueam Reserve.

Moore, J.W. 2016. *Invited talk.* Thinking like a watershed. Fraser Valley Watershed Council. Abbotsford.

Moore, J.W. 2016. *Invited talks.* Salmon Summit. Pacific NorthWest LNG and Salmon: What does the science say? Prince Rupert.

Moore, J.W. 2016. *Invited talk* on science regarding LNG projects in the Skeena for Freshwater Alliance. Webinar.

Moore, J.W. 2015. *Invited talk* to council and membership of Lax Kw'alaams First Nation. Scientific update: salmon in the Skeena estuary and Petronas LNG. Vancouver.

Moore, J.W. 2015. *Invited talk* to council and membership of Lax Kw'alaams First Nation. Scientific update: salmon in the Skeena estuary and Petronas LNG. Lax Kw'alaams Village.

Jonathan W. Moore

Curriculum Vitae

- Moore, J.W.**, C.Carr-Harris, and H.K. Nesbitt. 2015. *Invited talk*. Watershed connections, salmon biodiversity, and First Nations fisheries. American Fisheries Society Symposium, Portland OR.
- C.Carr-Harris, and **J.W. Moore**. 2015. *Invited talk*. Juvenile salmon use of the Skeena River estuary: implications for LNG development. American Fisheries Society Symposium, Portland OR.
- Moore, J.W.** 2015. *Invited seminar*. River Form and Function. University of Oregon, Environmental Architecture.
- Moore, J.W.**, J. Harvey, and J. Gordon. 2015. *Invited talk*. Watershed connections, salmon biodiversity, and First Nations fisheries. SFU-BLUE, preamble to the Canadian Water Summit Conference.
- Moore, J.W.** 2015. *Invited seminar* to council and membership of Lax Kw'alaams First Nation. Environmental Risks of Petronas LNG. Vancouver.
- Moore, J.W.** 2015. *Invited seminar* to council and membership of Lax Kw'alaams First Nation. Environmental Risks of Petronas LNG. Lax Kw'alaams Village.
- Moore, J.W.** 2015. *Invited seminar* to council and membership of Lax Kw'alaams First Nation. Environmental Risks of Petronas LNG. Prince Rupert.
- Moore, J.W.** 2015. *Keynote Speaker*. SFU IDEAS symposium. Standing in a River.
- Moore, J.W.** 2014. *Graduate student invited seminar*. Pipelines or salmon: what is the future of western Canada? Ecology Center, Utah State University.
- Moore, J.W.** 2014. *Graduate student invited seminar*. The stability, diversity, and conservation of large river networks. Ecology Center, Utah State University.
- Moore, J.W.** 2014. *Invited seminar*. River Form and Function. University of Oregon, Environmental Architecture.
- Moore, J.W.** 2014. *Invited seminar*. Fraser River sockeye. University of Calgary. Adams River, BC.
- Moore, J.W.** 2014. *Invited talk*. Salmon in the Skeena River estuary. World Wildlife Federation, Cumulative Effects Workshop, Prince Rupert, BC.
- Moore, J.W.** 2014. *Invited seminar*. Free-flowing rivers and their diversity, stability, and conservation. MonsterJam seminar series, Northwest Fisheries Science Center, NOAA, Seattle, WA.
- Moore, J.W.** 2014. *Departmental seminar*. Free-flowing rivers and their diversity, stability, and conservation. REM and BISC seminar series, Simon Fraser University, Burnaby, BC.
- Moore, J.W.** 2014. *Invited presentation*. Diversity and resilience: planning ahead. Steelhead Management Meeting. Skamania, WA.
- Moore, J.W.** 2014. *Stevenson lecture, invited keynote*. Bi-directional connectivity in river networks and watershed conservation. Canadian Conference for Fisheries Research and Canadian Limnological Society. Yellowknife, NWT.
- Moore, J.W.** 2013. *Invited presentation*. Diversity and resilience in steelhead. Provincial Steelhead Management Meeting. Vancouver, BC.

Jonathan W. Moore

Curriculum Vitae

- Moore, J.W.** 2013. *Invited seminar*. Diversity and stability in watersheds. Biological Department Seminar, University of Victoria. Victoria, BC.
- Moore, J.W.** and J.D. Olden 2012. *Invited talk*. Ecosystem-consequences of community disassembly in streams. Ecological Society of America. Portland, OR.
- Moore, J.W.** 2012. *Invited seminar*. Linking freshwater biodiversity to ecosystem stability and function. Simon Fraser University, IRMACS colloquium. Burnaby, BC.
- Moore, J.W.** 2012. *Invited keynote*. Material and process subsidies in coastal ecosystems. University of British Columbia workshop on subsidies. Vancouver, BC.
- Moore, J.W.** 2012. *Invited seminar*. Freshwater biodiversity shifts and ecosystem consequences. University of British Columbia. Vancouver, BC.
- Moore, J.W.** 2012. *Invited seminar*. Resilience and salmon ecosystems. Port Moody Ecological Society annual meeting. Port Moody, BC
- Moore, J.W.** 2011. *Invited seminar*. Freshwater biodiversity: controls and consequences from populations to ecosystems. University of Windsor. Windsor, ON.
- Moore, J.W.** 2011. (declined). *Invited keynote*, International Conference of Ecology and Conservation of Freshwater Fish, Portugal.
- Moore, J.W.** 2011. *Invited presentation*. Stable isotope ecology. Trinity College, Dublin, Ireland.
- Moore, J.W.** 2011. *Invited presentation*. Trophic cascades, detrital dynamics, and biotic resistance: signal crayfish in California streams. American Fisheries Society. Seattle, WA.
- Beakes, M.P., S.A. Hayes, and **J.W. Moore**. 2011. *Invited presentation*. Wildfire and stream ecosystem dynamics. American Fisheries Society. Seattle, WA.
- Moore, J.W.** *Invited seminar*. 2011. Skeena Fisheries Science Commission. Terrace, BC.
- Moore, J.W.** 2010. *Invited seminar*. Freshwater biodiversity: controls and consequences from populations to ecosystems. Environmental Studies, University of California, Santa Cruz, CA.
- Moore, J.W.** 2010. *Invited seminar*. Freshwater biodiversity: controls and consequences from populations to ecosystems. Simon Fraser University. Burnaby, BC.
- Moore, J.W.** 2009. *Invited seminar*. Native salmon, invasive crayfish, and the disassembly of stream communities. Hopkins Marine Lab, Stanford University, CA.
- Moore, J.W.** 2009. *Invited seminar*. Ecosystem engineers in streams. University of California Berkeley. Berkeley, CA.
- Moore, J.W.** 2007. *Invited seminar*. The importance of species: salmon, ecosystem engineers, and streams. Western Washington University, Bellingham, WA.
- Moore, J.W.** 2007. *Invited seminar*. The importance of species: salmon, ecosystem engineers, and streams. Carleton College, Northfield, MN.
- Moore, J.W.** 2006. *Invited seminar*. Diverse impacts of a dominant species: ecosystem engineering by salmon on streams. Department of Ecology and Evolutionary Biology, University of California Santa Cruz, CA.

Jonathan W. Moore

Curriculum Vitae

- Moore, J.W.** 2006. *Invited seminar*. Impacts of ecosystem engineers on streams: a case-study of nest-digging salmon in Alaska. Northwest Fisheries Science Center, National Marine Fisheries Service, Seattle, WA.
- Moore, J.W.** 2006. *Invited seminar*. Impacts of salmon on streams. Biology Department, Idaho State University, Pocatello, ID.
- Moore, J.W.** 2005. *Invited seminar*. Impacts of salmon on coastal ecosystems: A case study from the Bristol Bay region, Alaska. Flathead Lake Biological Station, University of Montana, MT.
- Moore, J.W.**, and D.E. Schindler. 2005. *Invited presentation*. Impacts of bioturbation by spawning salmon on the community dynamics and ecosystem processes of Alaskan streams. North American Benthological Society, New Orleans, LA.
- Moore, J.W.** 2003. *Invited presentation*. Salmon in Alaskan Streams. 2003. ARCS. Seattle, WA.

Talks and other presentations

- Chezik, K.A., S.C. Anderson, and **J.W. Moore**. 2017. River networks dampen long-term hydrological signals of climate change. Canadian Society of Ecology and Evolution. Victoria, BC.
- Chezik, K.A., S.C. Anderson, and **J.W. Moore**. 2017. *Invited talk*. River networks dampen long-term hydrological signals of climate change. American Water Resources Association, Salt Lake City, UT.
- Arbeider, M.A., C. Sharpe, C. Carr-Harris, and **J.W. Moore**. 2017. Preferred prey hotspots for juvenile salmon in the Skeena estuary. Salmon Ocean Ecology Meeting. Seattle, WA.
- Arbeider, M.A., C. Sharpe, C. Carr-Harris, and **J.W. Moore**. 2017. Preferred prey hotspots for juvenile salmon in the Skeena estuary. Salmon Ocean Ecology Meeting. Seattle, WA.
- Pitman, K., M. Sloat, V. Radic, A. Bliss, and **J.W. Moore**. 2017. Glacier recession and salmon futures. Canadian Society of Ecology and Evolution. Victoria, BC.
- Seifert, R., and **J.W. Moore**. 2016. Finding openings to balance flood protection and fish in the Lower Fraser. Salish Sea Conference. Vancouver, BC.
- Chezik, K., and **J.W. Moore**. 2015. Attenuating Climate Induced Flow Trends. American Fisheries Society Symposium, Portland OR.
- Nesbitt, H., and **J.W. Moore**. 2015. Biodiversity and stability of aboriginal salmon fisheries in the Fraser River watershed. American Geophysical Union conference, San Francisco CA.
- Atlas, W., T. Buehrens, D. McCubbing, and **J.W. Moore**. 2015. Spatial Contraction and Shifting Density Dependence: Implications for Conservation in Depressed Populations of Anadromous Fish. American Fisheries Society Symposium, Portland OR.
- Atlas, W., T. Buehrens, D. McCubbing, and **J.W. Moore**. 2015. Spatial Contraction and Shifting Density Dependence: Implications for Conservation in Depressed Populations of Anadromous Fish. BC Chapter, American Fisheries Society Symposium, Richmond, BC.

Jonathan W. Moore

Curriculum Vitae

- Seifert, R., and **J.W. Moore**. 2015. Tidal Creeks and Connectivity: Toward Balancing Fish and Flood Protection. American Fisheries Society Symposium, Portland OR.
- Martins, E. and 8 others. 2015. A life-cycle modeling approach to investigate cumulative effects on Fraser River sockeye salmon dynamics. American Fisheries Society Symposium, Portland OR.
- Scott, D, and **J.W. Moore**. 2014. Impacts of small scale flood proofing barriers on fish communities in tidal creeks. Eco Evo Retreat. Brackendale, BC. *Best talk by Masters student*.
- Phillis, C.C., D.E. Pearse, S.A. Hayes, A.B. Cooper, and **J.W. Moore**. 2014. Eco-Evolutionary dynamics and the indirect effect of density on aquatic ecosystems. Joint Aquatic Society Meeting. Portland, OR.
- Moore, J.W.** and J.D. Olden. 2014. Response diversity and non-native species buffer stream ecosystems from anthropogenic change. Joint Aquatic Society Meeting. Portland, OR.
- Beakes, M.P., **J.W. Moore**, S.A. Hayes, and S.M. Sogard. 2014. Seasonality, wildfire, and shifting subsidies for stream food webs. Joint Aquatic Society Meeting. Portland, OR.
- Arbeider, M., J. Gordon, D. Scott, S.M. Wilson, and J.W. Moore. 2014. When the tides don't turn: hypoxic zones and flood protection structures. Pacific Ecology and Evolution Conference. Bamfield, BC. *Runner-up best applied poster*.
- Scott, D, **J.W. Moore**, M. Arbeider, and J. Gordon. 2014. Altering Connectivity in Tidal Creeks: Impacts of flood proofing on fish communities in Lower Fraser streams. Pacific Ecology and Evolution Conference. Bamfield, BC.
- Fortune, A., C. Carr-Harris, and **J.W. Moore**. 2014. The scale of freshwater habitat importance: Investigating the early marine survival of Kitwanga River sockeye salmon (*Oncorhynchus nerka*) using scale pattern analysis. Pacific Ecology and Evolution Conference. Bamfield, BC. *Runner-up best poster*.
- Scott, D, and **J.W. Moore**. 2014. Altering Connectivity in Tidal Creeks: Impacts of flood proofing on fish communities in Lower Fraser streams. Inter-Departmental Ecology of Aquatic Systems. Simon Fraser University. Burnaby, BC.
- Herborg, M., **J.W. Moore**, D. Scott, C. Clark-Murray, and N.R. Serrao. 2013. The Burnaby snakehead—how we caught it and what we learned. Marine Invasions. Victoria, BC.
- Moore, J.W.** 2013. Stability and diversity of Pacific salmonids. Canadian Society of Ecology and Evolution. Kelowna, BC.
- Yeakel, J., M. Aguila, P. Guimaerez, and **J.W. Moore**. 2013. Synchronization and stability in watersheds. Canadian Society of Ecology and Evolution. Kelowna, BC.
- Lichota, C, and **J.W. Moore**. 2013. Impacts of barriers in urban streams on fish assemblages. Canadian Society of Ecology and Evolution. Kelowna, BC.
- Phillis, C., S.A. Hayes, **J.W. Moore**, and D. Pearse. 2013. From steelhead to trout in 25 generations: rapid evolution of a migratory life-history. Canadian Society of Ecology and Evolution. Kelowna, BC.
- Beakes, M.P., and **J.W. Moore**. 2013. Evaluating the impacts of wildfire on California coastal stream food webs. American Fisheries Society, Western Division. Boise, ID.

Jonathan W. Moore

Curriculum Vitae

- Osterback, A.-M., D.M. Frechette, S.A. Hayes, M.H. Bond, S.A. Shaffer, and **J.W. Moore**. 2012. Subsidized predation on imperiled species: gulls, landfills, and salmonids. Ecological Society of America. Portland, OR.
- Beakes, M.P., and **J.W. Moore**. 2012. Evaluating the impacts of wildfire on California coastal stream food webs. Ecological Society of America. Portland, OR.
- Donohoe, C.J., R. Johnson, P.K. Weber, and **J.W. Moore**. 2012. Migratory composition and maternal origin of natural and hatchery origin rainbow trout (*Oncorhynchus mykiss*) from the Lower Mokelumne River. American Fisheries Society. Cal-Neva.
- Hayes, S.A., M.H. Bond, **J.W. Moore**, D.E. Pearse, and W.H. Satterthwaite. 2012. Exploring the if's, when's and where's of steelhead estuarine and ocean habitat use. American Fisheries Society. Minneapolis, MN.
- Nesbitt, H.K., and **J.W. Moore**. 2012. Dendritic biodiversity in a large watershed and portfolio effects in First Nation fisheries. Ecological Society of America. Portland, OR.
- Phillis, C.C., D.E. Pearse, and **J.W. Moore**. 2012. Dam evolution: rapid evolution of fish migration in response to novel river barriers. Ecological Society of America. Portland, OR.
- Phillis, C.C., D.E. Pearse, and **J.W. Moore**. 2011. Ecological consequences of rapid life-history evolution in rainbow trout. American Fisheries Society. Seattle, WA.
- Phillis, C.C., D.E. Pearse, and **J.W. Moore**. 2011. Ecological consequences of rapid life-history evolution in rainbow trout. Ecological Society of America. Austin, TX.
- Frechette, D.M., A.-M. Osterback, S.A. Hayes, S.A. Shaffer, **J.W. Moore**, and J.T. Harvey. 2011. Gulls eat fish: assessing predation risk of juvenile salmonids using radio-telemetry. American Fisheries Society. Seattle, WA.
- Osterback, A.-M., D.M. Frechette, S.A. Hayes, M.H. Bond, S.A. Shaffer, and **J.W. Moore**. 2011. Subsidized predation on imperiled species: gulls, landfills, and salmonids. American Fisheries Society. Seattle, WA.
- Moore, J.W.**, L.A. Twardochleb, S.M. Carlson, J. Fox, J. Hwan, and S. Hayes. 2010. Trophic cascades, detrital dynamics, and invasive crayfish. American Society of Limnology and Oceanography, North American Benthological Society. Santa Fe, NM.
- Novak, M., R. Leidy, and **J.W. Moore**. 2010. Nestedness reveals dual nature of community disassembly. American Society of Limnology and Oceanography, North American Benthological Society. Santa Fe, NM.
- Osterback, A.M., D.M. Frechette, S.A. Hayes, M.H. Bond, S.A. Shaffer, and **J.W. Moore**. 2010. Subsidized predators and imperiled prey: the impact of avian predators on salmonids. American Society of Limnology and Oceanography, North American Benthological Society. Santa Fe, NM.
- Beakes, M.P., C. Cois, N. Retford, L. Twardochleb, and **J.W. Moore**. 2010. Incipient impacts of wildfire on a California stream. American Society of Limnology and Oceanography, North American Benthological Society. Santa Fe, NM.
- Flecker, A., P.B. McIntyre, and **J.W. Moore**. 2010. Migratory fishes as material and process subsidies in riverine ecosystems. American Society of Limnology and Oceanography, North American Benthological Society. Santa Fe, NM.

Jonathan W. Moore

Curriculum Vitae

- Moore, J.W.**, S.M. Carlson, J. Fox, J. Hwan, and S. Hayes. 2009. Impacts of dominant native and invasive species on California stream ecosystems. Ecological Society of America. Albuquerque, NM.
- Semmens, B.X., E.J. Ward, **J.W. Moore**, and C.T. Darimont. 2009. Analytic methods for incorporating intra- and inter-group variability in Bayesian stable isotope mixing models. Ecological Society of America. Albuquerque, NM.
- Osterback, A.-M. K., D.M. Frechette, S. Hayes, M.H. Bond, S.A. Shaffer, and **J.W. Moore**. 2009. Subsidized predators and imperiled prey: the impact of avian predators on salmonids. Ecological Society of America. Albuquerque, NM.
- Moore, J.W.** 2008. Ecosystem engineering, eco-evolutionary dynamics, and salmon. Stanford/UCSC species interaction workshop.
- Moore, J.W.**, M.M. McClure, and L.A. Rogers. 2008. Synchronization of a portfolio of salmon populations, Ecological Society of America. Milwaukee, WI.
- Flecker, A.S., P. McIntyre, and **J.W. Moore**. 2008. Migratory fishes as key subsidies in stream ecosystems. American Fisheries Society. Ottawa, ON.
- Moore, J.W.** 2007. Threshold in stream subsidies: salmon eggs, trout, and potential conflicts between commercial and recreational fisheries. American Fisheries Society. San Francisco, CA.
- Moore, J.W.** 2007. Do salmon drive evolution in stream insects? Ecological Society of America. San Jose, CA.
- Moore, J.W.** 2006. *Doctoral dissertation*. Diverse impacts of a dominant species: ecosystem engineering by salmon in streams. Biology Department, University of Washington, Seattle, WA.
- Moore, J.W.** 2006. Biotic control of stream fluxes: spawning salmon drive nutrient and matter export. North American Benthological Society. Anchorage, AK.
- Moore, J.W.**, and D.E. Schindler. 2005. Impacts of bioturbation by spawning salmon on the community dynamics and ecosystem processes of Alaskan streams. American Fisheries Society, Anchorage, AK.
- Moore, J.W.** and D.E. Schindler. 2005. Modification of stream habitats by spawning sockeye salmon. ASLO. Salt Lake City, UT.
- Moore, J.W.** and D.E. Schindler. 2004. Impacts of spawning salmon on the seasonal dynamics of Alaskan streams. Ecological Society of America meeting. Portland, OR.
- Payne, L.X, and **J.W. Moore**. 2004. Mobile scavengers create hotspots of biological productivity in freshwater ecosystems. Ecological Society of America meeting. Portland, OR.
- Ruff, C., **J.W. Moore**, and D.E. Schindler. 2004. Poster. Importance of salmon resources to Alaska fish: evidence from diets and stable isotopes. Ecological Society of America meeting. Portland, OR.
- Moore, J.W.**, and D.E. Schindler. 2003. Impacts of spawning salmon on Alaskan stream ecology. Geology. Seattle, WA.
- Moore, J.W.**, D.E. Schindler, and M.D. Scheuerell. 2003. Ecosystem consequences of disturbance by spawning salmon in Alaska. Ecological Society of America. Savannah, GA.

Jonathan W. Moore

Curriculum Vitae

Moore, J.W., D.E. Schindler, and M.D. Scheuerell. 2002. Disturbance of stream and lake benthos by spawning salmon. American Society of Limnology and Oceanography. Victoria, BC.

Schindler, D.E., M.D. Scheuerell, **J.W. Moore**, R. Hilborn, T.P. Quinn, P.R. Leavitt, and V.L. St. Louis, 2002. Climate, marine-derived nutrients, and fisheries as drivers of pacific salmon population dynamics. American Society of Limnology and Oceanography. Victoria, BC.

Moore, J.W., D.E. Schindler, M.D. Scheuerell, J. Frodge, and D. Smith. 2001. Lake eutrophication at the urban fringe. Ecological Society of America meeting. Madison, WI.