



John P. Volpe

Associate Professor

AREAS OF EXPERTISE

Aquaculture
Seafood Ecology
Macroecology
Entropic & Metabolic Ecology
Sustainable Food & Wine

FUNDING TO DATE

\$3,584,927

UNDERGRADUATES TAUGHT

3583 Students

DEGREES SUPERVISED

17MSc | 5 PhD | 1 MA

EDUCATION

BSc U of Guelph 1991
MSc U of Guelph 1994
PhD U of Victoria 2001

EMPLOYMENT HISTORY

2012-Pres. Assoc. Professor UVic
2014-16 Officer 2Lt CAF PRes
2005-11 Asst. Professor UVic
2001-04 Asst. Professor Alberta
2000 Lecturer ENVI UVic
1995-96 Fish Bio BC Min Env

CONTACT

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Victoria, BC, Canada V8W-2Y2
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PERSONAL SUMMARY

I and my students use data intensive approaches to uncover linkages between ecological and social sustainability, particularly with regard to sustainable food and wine production, aquaculture and marine protected areas. An emerging area of interest is the application of systems theoretic analyses in food production systems to make explicit eco-social dynamics and relationships between measures of biodiversity, ecological function and resilience.

APPOINTMENTS & HONOURS

2013 Research Excellence Award - Faculty of Social Science, UVic
2010 Appointed Associate Professor University of Victoria
2007 Nominated – NSERC Steacie Fellow
2006 Nominated – NSERC Steacie Fellow
2005 Appointed Assistant Professor University of Victoria
2004 Nominated - Canada Research Chair Tier II, U of Victoria
2004 Nominated - Pew Fellow
2003 Adjunct Professor, Fisheries Centre, U. of British Columbia
2003 Adjunct Professor, Biology Department, U. of Victoria
2001 Appointed Asst Professor University of Alberta
2001 Nominated - Canada Research Chair Tier II, U of Alberta
2001 NSERC Post Doctoral Fellowship (declined)
2000 “133 Young Leaders of the New Millennium” Globe and Mail

COURSES TAUGHT AT UVIC

ES 200 Introduction to Environmental Studies
ES 240 Ecological Processes
ES 341 Ecological Restoration
ES 381 Ecology and Culture of Food
ES 446 Sustainable Fisheries
ES 482 Natural History and Ecology of Biological Invasions
ES 482 Complex Systems
ES 481 History, Science & Culture of Wine
ES 500 Environmental Theories, Methods and Skills I
ES 501 Environmental Theories, Methods and Skills II
ES 503 / 603 Environmental Studies Graduate Colloquium

PROFESSIONAL SOCIETY MEMBERSHIP

Canadian Society for Ecology and Evolution
New Zealand Ecological Society
Society for Conservation Biology

REFEREED PUBLISHED ARTICLES (Students under my supervision at time of research)

- 2017** Frey, S.A., J.T. Fisher, A.C. Burton and J.P. Volpe. 2017. Investigating animal activity patterns and temporal niche partitioning using camera trap data: Challenges and Opportunities. **Remote Sensing in Ecology and Conservation**. *In press*
DOI: 10.1002/rse2.60
- Stewart, F.E.C., J.T. Fisher, A.C. Burton, and J.P. Volpe. Species movement, not location, best predicts species occurrence data. *Submitted to Ecosphere*.
- Stewart, F.E.C., J.P. Volpe, J.S. Taylor, J. Bowman, P.J. Thomas, M.J. Pybus and J.T. Fisher. Distinguishing reintroduction from recolonization with genetic testing. **Biological Conservation** *In Press*.
- Heim, N.A., J.T. Fisher, A.P. Clevenger, J. Paczkowski, J.P. Volpe. Cumulative effects of climate and landscape change drive spatial distribution of Rocky Mountain wolverine. **Ecology and Evolution** *In press*
- 2016** Stewart F.E.C., N.A. Heim, A.P. Clevenger, J. Paczkowski, J.P. Volpe, and J.T. Fisher. Wolverine behaviour varies spatially with anthropogenic footprint: implications for conservation and inferences about declines. **Ecology and Evolution** 6:1493-1503
- Lancaster, D., P. Dearden, D.R. Haggarty, J.P. Volpe, N.C. Ban. 2016. Effectiveness of shore-based remote camera monitoring for quantifying recreational fisher compliance in marine conservation areas. **Aquatic Conservation**. *In press* DOI:10.1002/aqc.2736
- 2014** Fisher, J.T., C. Pasztor, A. Wilson, J.P. Volpe, and B. Anholt. 2014. Recolonizing sea otters spatially segregate from pinnipeds on the Canadian Pacific coastline: The implications of segregation for species conservation. **Biological Conservation** 177:148-155.
- Fisher, A.C., J.P. Volpe and J.T. Fisher. 2014. Occupancy dynamics of escaped farmed Atlantic salmon in Canadian Pacific coastal salmon streams. **Biological Invasions** 16:2137-2146.
- 2013** Price, M. A. Morton, J.G. Eriksson and J.P. Volpe. 2013. Fish processing facilities: new challenge to marine biosecurity in Canada. **Journal of Aquatic Animal Health** 25:290-294.
- Volpe, J.P., J.L.M. Gee, V.A. Ethier, M. Beck, A.J. Wilson and J.M.S. Stoner. 2013. Global Aquaculture Performance Index (GAPI): The first global environmental assessment of marine fish farming. **Sustainability** 5:3976-3991.
- Fisher, J.T., S. Bradbury, B. Anholt, L. Nolan, L. Roy, J.P. Volpe, and M. Wheatley. 2013. Wolverines on the Rocky Mountain slopes: natural heterogeneity and landscape alteration as predictors of distribution. **Canadian Journal of Zoology**. 91:706-716

Fisher, J.T., B. Anholt, S. Bradbury, M. Wheatley, and J.P. Volpe. 2013. Spatial segregation of sympatric marten and fishers: the influence of landscapes and species-scapes. **Ecography** 36:240-248.

2011 Fisher, J.T., B. Anholt, and J.P. Volpe. 2011. Body mass explains characteristic scales of habitat selection in terrestrial mammals. **Ecology and Evolution** 1:517-528.

Liu, Y. R.U. Sumaila, J.P. Volpe. 2011. The potential ecological and economic impacts of sea lice from farmed salmon on wild salmon fisheries. **Ecological Economics** 70: 1746-1755.

Krkosek, M.K., B.M. Connors, H.A. Ford, S. Peacock, P. Mages, J.S. Ford, A. Morton, J.P. Volpe, L.M. Dill, M.A. Lewis. 2011. Fish farms, parasites, and predators: implications for salmon population dynamics. **Ecological Applications** 21:897-914.

2009 Krkosek, M.K., A. Morton, J.P. Volpe, M.A. Lewis. Sea lice and salmon population dynamics: Effects of exposure for migratory fish. 2009. **Proceedings of the Royal Society of London, Series B**. 276:2819-2828.

Volpe, J.P. 2009. The efficiency trap. **Food Ethics** 4: 41-42.

2008 Kelly, J.R., H. Proctor and J.P. Volpe. 2008. Displacement of native eelgrass (*Zostera marina* L.) by introduced oysters (*Crassostrea gigas* Thunberg) significantly alters intertidal community structure. **Hydrobiologia** 596:57-66.

Kelly, J.R., and J.P. Volpe. 2008. Effects of non-native oyster (*Crassostrea gigas* Thunberg) on native eelgrass (*Zostera marina* L.) in the Strait of Georgia, British Columbia. **Botanica Marina** 50:143-150.

2007 Volpe, J.P. 2007. Reconciling fisheries with conservation and the ecological footprint of aquaculture. 4th World Fisheries Congress. **American Fisheries Society Symposium** 49:587-589.

Rodtka, M.C. and J.P. Volpe. 2007. Effects of water temperature on interspecific competition between juvenile bull trout and brook trout in an artificial stream. **Transaction of the American Fisheries Society** 136: 1714-1727.

Sumaila, U.R., J. Volpe and Y. Liu 2007. Potential economic benefits from sablefish farming in British Columbia. **Marine Policy** 31: 81-84.

2006 Krkošek, M., M.A. Lewis, A. Morton, L.N. Frazer and J.P. Volpe, 2006. Epizootics of wild fish induced by farm fish. **Proceedings of the National Academy of Sciences USA** 103: 15506-15510.

Krkošek, M., M.A. Lewis, J.P. Volpe and A. Morton. 2006. Fish farms and sea lice infestations in wild juvenile salmon in the Broughton Archipelago – A rebuttal to Brooks (2005). **Reviews in Fisheries Science** 14: 1-11.

- 2005 Krkošek, M., A. Morton, J.P. Volpe. 2005. Non-lethal assessment of juvenile Pacific salmon for parasitic sea lice infections **Transactions of the American Fisheries Society** 134: 711-716.
- Naylor, R., K. Hindar, I. Fleming, R. Goldberg, S. Williams, J.P. Volpe, F. Whoriskey, J. Eagle, D. Kelso, M. Mangel. 2005. Fugitive Salmon: A Framework for Assessing Risks of Escaped Fish from Aquaculture. **BioScience** 55: 427-437.
- Krkošek, M., M.A. Lewis and J.P. Volpe. 2005. Transmission dynamics of parasitic sea lice from farm to wild salmon. **Proceedings of the Royal Society of London, Series B.** 272:689-696.
- Volpe, J.P. 2005. Reply to Allen: Dollars without sense: The bait for big-money tuna ranching around the world. **BioScience**. 55:644.
- Volpe, J.P. 2005. Dollars without sense: The bait for big-money tuna ranching around the world. **BioScience**. 55:301-302.
- 2002 Morton, A. and J.P. Volpe. 2002. A description of Atlantic salmon *Salmo salar* in the Pacific salmon fishery in British Columbia, Canada, in 2000. **Alaska Fishery Research Bulletin** 9: 102-110.
- 2001 Volpe, J.P., B.W. Glickman and B.R. Anholt. 2001. Reproduction of Atlantic salmon (*Salmo salar*) in a controlled stream channel on Vancouver Island, British Columbia. **Transactions of the American Fisheries Society** 130: 489-494.
- Volpe, J.P., B.R. Anholt and B.W. Glickman. 2001. Competition among juvenile Atlantic salmon (*Salmo salar*) and steelhead trout (*Oncorhynchus mykiss*): Relevance to invasion potential in British Columbia. **Canadian Journal of Fisheries and Aquatic Sciences** 58: 197-207.
- Volpe, J.P. and B.R. Anholt. 2001. Atlantic salmon (*Salmo salar*) in British Columbia. *In* **Marine Bioinvasions: Proceedings of the First National Conference** (January 24-27 1999; edited by J. Pederson). Massachusetts Institute of Technology, Cambridge, MA. pp. 256-259.
- 2000 Volpe, J.P. and G. Horne. 2000. A simple and inexpensive method for providing natural forage in a laboratory environment. **North American Journal of Fisheries Management**. 20: 801-803.
- Volpe, J.P., E.B. Taylor, D.W. Rimmer, B.W. Glickman. 2000. Natural reproduction of aquaculture escaped Atlantic salmon (*Salmo salar*) in a coastal British Columbia river. **Conservation Biology** 14: 899-903.
- 1997 Taylor, E.B., Harvey, S., Pollard, and J. Volpe. 1997. Postglacial genetic differentiation between reproductive ecotypes of kokanee (*Oncorhynchus nerka*) in Okanagan Lake, British Columbia. **Molecular Ecology** 6: 503-517.

- 1996 da Cruz, A.D., J.P. Volpe, V. Saggi, J. Curry, M.P. Curado, B.W. Glickman. 1997. Radiation risk estimation in human populations: Lessons from the radiological accident in Brazil. **Mutation Research**. 373: 207-217.
- Volpe, J.P. and M.M. Ferguson. 1996. Molecular genetic examination of the polymorphic Arctic charr, *Salvelinus alpinus*, of Thingvallavatn, Iceland. **Molecular Ecology** 5: 763-772.

BOOK CHAPTERS

- Siddique, M. A. L and J.P. Volpe. 2009. Eco-friendly sustainable shrimp aquaculture in Bangladesh: A way of minimizing coastal degradation. **Integrated Coastal Zone Management**. Blackwell Publishing, UK (in press).
- Volpe, J.P. and K. Shaw. 2008. Fish farms and neoliberalism: Salmon aquaculture in British Columbia. In C. Gore and P. Stoett (eds.) **Environmental Challenges & Opportunities: Local-Global Perspectives on Canadian Issues**. Emond Montgomery, Toronto.
- Volpe, J.P. 2006. "Salmon sovereignty" and the dilemma of intensive Atlantic salmon aquaculture development in British Columbia. In Parrish, C.C., N.J. Turner, and S.M. Solberg (eds.). **Resetting the Kitchen Table: Food Security, Culture, Health and Resilience in Coastal Communities**. Hauppague, NY: Nova Science Publishers
- Dai, Hahn, Hawryshan, Lee, Temple, Kennedy, Neis, Parrish, Russo, Garrido, Stanley, Turner, Volpe, and Wroblewski. 2005. Future Options I: Aquaculture, Hatcheries, Tourism, Transportation, and Local Initiatives. In Ommer, R.E. and the Coasts Under Stress research project team. **Coasts Under Stress: Restructuring and Social-Ecological Health**. Montreal, PQ: McGill-Queen's University Press.
- Wroblewski, J., J.P. Volpe and D. Bavington. 2005. Manufacturing fish: Transition from wild harvest to aquaculture. In Sinclair, P.R. and R.E. Ommer (eds.) **Power and Restructuring: Canada's Coastal Society and Environment**. St. John's, NL: ISER Books.

OTHER PUBLICATIONS & RESEARCH PRODUCTS

- Volpe, J.P., J. Gee, M. Beck, V. Ethier. 2011. How Green Is Your Eco-label? Comparing the Environmental Benefits of Marine Aquaculture Standards. University of Victoria, Victoria, British Columbia, Canada. 56pgs. www.gapi.ca
- Volpe, J.P., M. Beck, V. Ethier, J. Gee, A. Wilson. 2010. Global Aquaculture Performance Index. University of Victoria, Victoria, British Columbia, Canada. 116pgs <www.gapi.ca>
- Volpe, J.P. 2009. Salmoni come polli. **Slow Food Journal** 39: 60-62 (in Italian)
- Sumaila, U.R., J.P. Volpe and Y. Liu. 2005 Ecological and Economic Impact Assessment of Sablefish Aquaculture in British Columbia. **Fisheries Centre Research Reports** 13: 3
- Volpe, J.P. 2004. Book review: *Imperfect Symmetry: Thermodynamics in Ecology and Evolution* by Lionel Johnson. **Fish and Fisheries**. 5:346-347.

- Volpe, J.P. 2004. Salmon Scare? Guest Columnist. **Seattle Post Intelligencer**. 1-25-04
- Volpe, J.P. 2003. Farming uncertainty in coastal British Columbia. **The Osprey** 44: 1, 6-8.
- Volpe, J.P. 2001. Super-Unnatural BC: Atlantic salmon in British Columbia. David Suzuki Foundation, Vancouver B.C. 32pp.
- Volpe, J.P. 2001. Invasion ecology of Atlantic salmon (*Salmo salar*) in British Columbia. **Ph.D. Thesis**. University of Victoria, British Columbia.
- Volpe, J.P. 2001. Farming uncertainty in coastal British Columbia. **The Steelhead Release** Autumn 2001: 20-25.
- Volpe, J.P. 2000. How do we know what we don't know? Atlantic salmon in British Columbia: A review. *In* P. Gallagher and C. Orr (eds.) Aquaculture and the Protection of Wild Salmon: Speaking for the Salmon Workshop Proceedings, Simon Fraser University March 1-3 2000 pp. 28-33.
- Volpe, J.P. 2000. The occurrence of Atlantic salmon in coastal streams of southern British Columbia during 1999. British Columbia Ministry of Environment Lands and Parks Regional File Report. Nanaimo, British Columbia
- Volpe, J.P. 2000. Atlantic salmon vs. Pacific salmon in British Columbia, Canada. **Aliens** 10: 21-22.
- Volpe, J.P. Salmon Roulette: Are we risking our Pacific salmon heritage for Atlantic salmon aquaculture? **The National Post**. October 20 1999 (*Editorial*).
- Volpe, J.P. 1999. The occurrence of Atlantic salmon in coastal streams of southern British Columbia during 1998. British Columbia Ministry of Environment Lands and Parks Regional File Report. Nanaimo, British Columbia.
- Volpe, J.P. 1998. The occurrence of Atlantic salmon in coastal streams of southern British Columbia during 1997. British Columbia Ministry of Environment Lands and Parks Regional File Report. Nanaimo, British Columbia.
- Volpe, J.P. Pennask Lake Broodstock Management Plan. Technical File. Fish Culture Section, Fisheries Branch B.C. Min. of Environment, Lands & Parks. January 1996. 36p.
- Volpe, J.P. Premier Lake Broodstock Management Plan. Technical File. Fish Culture Section, Fisheries Branch B.C. Min. of Environment, Lands & Parks. January 1996. 43p.
- Volpe, J.P. *Broodstock Summary Database, Ver. 1.0.* and User's Manual. *MSAccess & VBasic*. Fish Culture Section, B.C. Min. of Environment, Lands & Parks. March 1996. 10p.
- Volpe, J.P. *Fish Transfer Database, Ver. 2.0.* and User's Manual. *MSAccess & VBasic*. Fish Culture Section, Fisheries Branch B.C. Min. of Environment, Lands & Parks. March 1996. 22p.
- Volpe, J.P. 1994. A molecular genetic examination of the polymorphic Arctic charr, *Salvelinus alpinus*, of Thingvallavatn, Iceland. M.Sc. Thesis. University of Guelph, Guelph, Ontario.

Danzmann, R.G., M.J. Joyce and J.P. Volpe. 1991. Mitochondrial DNA variability in brook charr (*Salvelinus fontinalis*) populations sampled from the Lake Huron drainage: Management and conservation implications. Ontario Ministry of Natural Resources Technical Report.

INVITED LECTURES AND ADDRESSES (Invited & Fully Sponsored Only)

2016 Aquaculture Innovation Workshop (Keynote) - Roanoke Virginia Aug 21

2015 Slow Food Canada AGM Montreal March 22-26

2014 Terra Madre, Turin Italy. The Challenge of Slow Seafood Oct 23-27

2013 Yale University School of Forestry and Environmental Studies. Feb 20-22

2012 McGuinness Institute Wellington, NZ. Aquaculture and Global Protein., Dec 23.

The Atlantic Salmon Federation. Land-Based Closed-Containment Conference.
Keynote Speaker and Panelist October 10-11. Saint John, NB

Seattle WA. Aquaculture Innovation Workshop Keynote Speaker and Panelist May
15 -16. Supported by Tides Canada Foundation.

U of Tasmania. Managing Marine Farming: have we achieved best practice?
Keynote Speaker March 8 Hobart, Tasmania, Australia

2011 Seafood Summit. Salmon is Just the Tip of the Iceberg—Using New Science
Tools to Assess and Shift the Current Trajectory of Marine Aquaculture. Invited
speaker and panelist. Jan 31-Feb 2 Vancouver BC

2010 Seafood Summit. The Global Aquaculture Performance Index. Invited speaker and
panelist. Jan 22-25 Paris, France

Chile (multiple locations) Leader of exotic (farm) salmon expedition through
Chilean Patagonia rivers. Sponsored by and in collaboration with Oceania. Public
presentations and one-on-one meetings with federal fisheries minister and other
government decision makers (Santiago). May 30-June 6.

WWF International Salmon Aquaculture Dialogue. Speaker and respondent.
November 13-19 Bergen, Norway

Columbia University. Respondent – Ecological Performance Index. Board of
Directors Meeting. Dec 17-19 New York City

2009 Annual meeting of the American Association for the Advancement of Science
(AAAS). Aquaculture impacts, standards and sustainability. Feb 12-16 Chicago IL

Seafood Summit. USA 2009 The Global Aquaculture Performance Index. Invited
speaker and panelist San Diego, CA Jan 22-25

2008 Seafood Summit.. “The Global Aquaculture Performance Index”. Invited speaker.
Barcelona, Spain January 27-30

- 2007** University of Las Lagos. Genetic impacts of escaped farm salmon. Invited speaker Valaparisio, Chile Dec 17-20
- Simon Fraser University The challenge of seafood sustainability. Center for Dialogue. Vancouver, Oct. 11.
- Oregon State University-Department of Fisheries and Wildlife Science Friction: Commercial salmon aquaculture in British Columbia. Eugene, Oregon Oct 10
- SlowFish. Slow Food International Conference. The myth of efficiency and the future of seafood. *Invited speaker & panelist* Genova, Italy May 4-7
- University of Las Lagos. Potential impacts of exotic aquaculture escaped salmon *Invited speaker* Puerto Montt, Chile Jan 13-17
- 2006** Stanford University. Transcending Borders: Pacific salmon and interdisciplinary approaches to fisheries conservation. Palo Alto, CA,. *Invited speaker* Feb 1-2 2006
- Integrating aquaculture and ecological sciences for sustainable offshore aquaculture.. Florence, Italy May 10-13
- 2004** International Seafood Summit. Chicago, IL Oct 26-28. *Invited Speaker*
- Stanford University. International Sustainability Days October 13-16. *Invited Speaker* Palo Alto, CA
- University of Victoria. Annual Meeting of the Society for Ecological Restoration Plenary Address. Victoria, BC August 24-26.
- Culinary Institute of America - Annual Joint Meeting of the Association of the Study of Food and Society and the Agriculture, Food and Human Values Society. *Invited speaker* Hyde Park, NY June 10-13.
- 4th World Fisheries Congress - Forum on the Sustainable Seafood Movement Invited speaker and Forum presenter, May 3-6. Vancouver, BC
- 2003** U. of Victoria, School of Environmental Studies *Recruitment lecture* Victoria, BC Oct 8.
- Pacific States Marine Fisheries Commission Portland, Invited speaker. Oregon. November 17-19.
- Canadian Association of Geographers Annual Meeting, Invited speaker. Victoria, BC May 30.
- WWF Canada - Public Forum on Aquaculture, Invited speaker. Prince Rupert, BC May 3.
- UC Davis Biological Invasions and Biocultural Diversity Symposium. Invited speaker Davis, CA April 24-27
- UBC, Centre for Applied Conservation Research - Salmon Conservation and Aquaculture; *A Public Forum*. Invited speaker Vancouver, BC March 25

2002 North-West Salmon Summit. Invited speaker. Bellingham, WA Oct 18.

US Aquatic Nuisance Species Task Force AGM. Invited speaker October 17 Olympia, WA

First Nations Aquaculture Summit. Tsleil-Waututh Nation Cultural Centre, Invited speaker. Vancouver, BC Sept. 24-26.

Simon Fraser University - Center for Dialogue. Invited speaker. Vancouver, BC Oct. 11.

Stanford University Invited speaker Palo Alto, CA September 17

American Society of Limnology and Oceanography Annual Meeting. Invited speaker. Victoria, BC June 10-14.

American Society of Ichthyologists and Herpetologists Annual Meeting. Invited speaker. Kansas City, MO - July 3-8.

U.S. Forest Service. Invited speaker. Juneau, AK April 2-4.

Simon Fraser University-Biological Sciences Department. Burnaby, BC March 22

Simon Fraser University - *Speaking of Science Lecture Series*. Harbour Centre Campus Vancouver, BC March 21.

2001 Canadian Museum of Nature - National Workshop on Invasive Alien Species. Invited panelist. Ottawa, Ont Nov 5-7.

Prince Rupert Aquaculture Forum. Invited panelist. Prince Rupert, BC Oct 19-20.

Pacific States Marine Fisheries Commission. Portland Oregon. Sept 17 (cancelled – 9/11)

University of Alberta-Biology Department *Recruitment lecture* Edmonton, AB Feb 1.

2000 US Fish and Wildlife Atlantic Salmon Identification Workshop. Workshop Coordinator & Leader Lacey, WA June 19.

Seattle Central Community College. Invited speaker. Seattle, WA May 4.

Vancouver Aquarium-*Hot Topics Lecture Series*. Vancouver, BC March 29.

Simon Fraser University - Speaking for the Salmon International Workshop. Invited speaker. March 1-3. Burnaby, BC

CONTRIBUTED ACADEMIC / SCHOLARLY ORAL PRESENTATIONS

(Students **presenter** in bold)

Stewart, F.E.C., A.C. Burton, M. Pybus, D. Vujnovic, G. Hood, J.P. Volpe, and J.T. Fisher. 2017. Biological interpretation, accuracy, and precision of species occurrence data. The Alberta Chapter of the Wildlife Society, Lac LaBiche, Alberta.

Burgar, J.*, **F.E.C. Stewart**, A.C. Burton, J.P. Volpe, and J.T. Fisher. 2017. A comparison of multiple spatial capture-recapture models for estimating mammal densities in a changing landscape. 12th International Mammal Congress, Perth, Australia, July 9-16th, 2017.

Burgar, J.*, **F.E.C. Stewart**, A.C. Burton, J.P. Volpe, and J.T. Fisher. 2017. A comparison of multiple spatial capture-recapture models for estimating carnivore densities using field data. Canadian Society of Ecology and Evolution, Victoria, BC, May 7-11 2017.

Stewart, F.E.C., A.C. Burton, J.P. Volpe, and J.T. Fisher. 2017. What does species occurrence data really mean when individuals are mobile? Pacific Ecology and Evolution Conference, Bamfield, British Columbia.

Stewart, F.E.C., A.C. Burton, M. Pybus, D. Vujnovic, G. Hood, J.P. Volpe, and J.T. Fisher. 2017. Species occurrence data tells us where animals are, but more importantly where they move. The Canadian Society for Ecology and Evolution, Victoria, British Columbia.

Fisher, T.J., N.A. Heim, **F.E.C. Stewart**, C. James, S. Frey, and J.P. Volpe. 2016. Three's a crowd: anthropogenic footprint affects species-species interactions. The Wildlife Society, Raleigh, North Carolina.

Stewart, F.E.C., N. Heim, A.P. Clevenger, J. Paczkowski, J.P. Volpe, and J.T. Fisher. 2015. Wolverine behaviour varies with anthropogenic footprint: Implications for conservation and inferences about declines. The Canadian Society for Ecology and Evolution, Saskatoon, Saskatchewan.

Stewart, F.E.C., N. Heim, A.P. Clevenger, J. Paczkowski, J.P. Volpe, and J.T. Fisher. 2016. Using behaviour as a metric of landscape change. WeaselFest, Gavin Lake, British Columbia.

Stewart, F.E.C., J. S. Taylor, J.P. Volpe, and J.T. Fisher. 2016. Questioning fisher re-introduction success in central Alberta; genetic evidence for provincial scale connectivity. WeaselFest, Gavin Lake, British Columbia.

Stewart, F.E.C., M. Pybus, D. Vujnovic, G. Hood, J.P. Volpe, and J.T. Fisher. 2016. Genetic evidence for fisher recolonization success in central Alberta: implications for provincial-scale connectivity. The Alberta Chapter of the Wildlife Society, Drumheller, Alberta.

Stewart, F.E.C., N. Heim, A.P. Clevenger, J. Paczkowski, J.P. Volpe, and J.T. Fisher. 2015. Landscape-scale behavioral response by wolverines (*Gulo gulo*) to landscape development: evidence for a human-driven landscape of fear? The Alberta Chapter of the Wildlife Society. Edmonton, Alberta.

Stewart, F.E.C., N. Heim, A.P. Clevenger, J. Paczkowski, J.P. Volpe, and J.T. Fisher. 2015. Wolverine landscapes-of-fear; assessing landscape-scale human impacts on wolverine behaviour in the Eastern Rockies. Pacific Ecology and Evolution Conference. Bamfield, British Columbia.

Beck, M., J.P. Volpe and L.M. Horborg. 2013. Victoria Natural History Society Feb 12th

Beck, M., J.P. Volpe and L.M. Horborg. 2013. Pacific Ecology and Evolution March 1-3 Bamfield Marine Science Center

- Beck, M.,** J.P. Volpe and L.M. Horborg. 2013. WA-BC American Fisheries Society Chapter AGM March 25-28 Lake Chelan, Washington
- Beck, M.,** J.P. Volpe and L.M. Horborg. 2013. International Conference on Aquatic Invasive Species (ICAIS) Niagara Falls, Ontario April 21-25
- Beck, M.,** J.P. Volpe and L.M. Horborg. 2013. Canadian Aquatic Invasive Species Network II AGM May 2-3 Kananaskis, Alberta
- Beck, M.,** J.P. Volpe and L.M. Horborg. 2013. Canadian Society for Ecology and Evolution. Kelowna, BC May 12-15
- Beck, M.,** J.P. Volpe and L.M. Horborg. 2013. International Conference of Marine Bioinvasions, August 20-22 University of British Columbia, Vancouver BC
- Gee, J.** Aquaculture Information Management System: Website User-Based Interfaces. Food and Agriculture Organization of the UN / Department of Fisheries, Thailand. Terminal Workshop. Bangkok, Thailand. January 14, 2013
- Gee, J.** and J.P. Volpe. 2013. Policy and Regulatory Mandates and Objectives for an Aquaculture Information System. Food and Agriculture Organization of the UN / Department of Fisheries, Thailand. Terminal Workshop. Bangkok, Thailand. January 14.
- Gee, J.** and J.P. Volpe 2013. Policy and Regulatory Mandates and Objectives for an Aquaculture Information System. Food and Agriculture Organization of the UN / Department of Fisheries, Thailand. Terminal Workshop. National Training Course on Aquaculture Information Management System in Thailand. Bangkok, Thailand. January 10.
- Volpe, J.P.** The Beef or the Fish? 2012. How Putting Aquaculture in the Context of Global Protein Production Can Inform/Impact our Seafood Choices. 10th Seafood Summit. Hong Kong. Sept. 6-8.
- Beck, M.,** J.P. Volpe and L.M. Horborg. 2012. Reconciling Large-scale Model Predictions with Small-scale – Impacts and interactions of the invasive smallmouth bass (*Micropterus dolomieu*) with native species in British Columbian lakes. International Conference on Aquatic Invasive Species April 21-25, Niagara Falls ON
- Beck, M.,** J.P. Volpe and L.M. Horborg. 2012. Small mouths lead to big problems? Non-native Smallmouth bass (*Micropterus dolomieu*) in British Columbian lakes. American Fisheries Society Meeting May 15-17, Victoria, BC.
- Mucciarelli, V.M.,** J.P. Volpe, B. Starzomski, and D. Biffard. 2011. Investigating the drivers of biodiversity on an artificial reef in a subtidal marine ecosystem. International Marine Conservation Congress May 14th-18th, Victoria BC
- Volpe, J.P.,** 2011. Fat fish and sacred cows: The first global mariculture performance assessment forces a re-evaluation of fish farming's role in sustainable seafood. International Marine Conservation Congress May 14th-18th, Victoria BC

- Fisher, J.T.,** C. Pasztor, A. Wilson, J.P. Volpe and B. Anholt. 2011. Conservation of re-introduced sea otters in British Columbia: Habitat selection on a coastline of fear. International Marine Conservation Congress May 14th-18th, Victoria BC
- Park, A.** and Volpe, J.P. 2011. Out of the pan into the fire: Unforeseen consequences of a chemical therapeutant used on salmon farms. International Marine Conservation Congress May 14th-18th, Victoria BC
- Park, A** and Volpe, J.P. 2011. Biological effects of SLICE on non-target spot prawn (*Pandalus platyceros*). Commercial Prawn Fishermen Annual General Meeting March 30th Courtenay BC
- Park, A.** and Volpe, J. 2010. Detection of emamectin benzoate (SLICE) in non-target spot prawn (*Pandalus platyceros*) and determination of biological effects. Pacific Ecology and Evolution Conference March 5-7th, Bamfield BC.
- Park, A.** 2009. The effect of emamectin benzoate (SLICETM) application by salmon farms on non-target spot prawn (*Pandalus platyceros*). Fisheries and Marine Ecosystems Conference April 17-19th, White Rock BC.
- Park, A.** 2009. Environmental impacts of salmon aquaculture prophylactic chemical application. Pacific Ecology and Evolution Conference February 20-22, Bamfield BC.
- Fisher, J.T.,** B. Anholt, and J.P. Volpe. 2009. Patterns of multi-scale habitat selection by mammalian carnivores in a subalpine landscape. 3rd Annual Canadian Society for Ecology and Evolution Conference, Halifax, N.S.
- Volpe, J.P.** 2009. Sustainability and the myth of sustainability. NetSci 2009 June 29-July 3, Venice, Italy.
- Peet, C.,** J.P. Volpe, A. Mazumder, and A. Morton. 2007. The impact of salmon farming on the host parasite relationship between sea lice and juvenile salmon: implications for the health of wild salmon populations. Society for Conservation Biology 21st Annual Meeting July 1-5, Port Elizabeth, South Africa.
- Peet, C.,** J.P. Volpe, A. Mazumder, and A. Morton. 2007. The impact of salmon farming on the host parasite relationship between sea lice and juvenile salmon: implications for the health of wild salmon populations. American Fisheries Society Annual Meeting, San Francisco, Sept. 2-6.
- Volpe, J.P.** 2006. Swimming Against the Sustainability Current: The Growing Problem with Seafood. Annual meeting of the Agriculture, Food and Human Values Society. Boston, MA. June 7-11.
- Saini, J.S.** and J.P. Volpe. 2006. Food Writing in Developing Sustainable Gastronomy. Annual meeting of the Agriculture, Food and Human Values Society. Boston, MA. June 7-11.
- Peet, C.,** J.P. Volpe, and A. Mazumder. 2005. Interactions between the salmon louse and juvenile salmonids in British Columbia. 21st Annual Pink and Chum Salmon Workshop. Ketchikan, AK Feb 23-26.

- Peet, C.**, J.P. Volpe, and A. Mazumder. 2005. Possible impact of salmon farming on wild salmon populations. Society for Conservation Biology Annual Meeting. Brasilia, Brazil. July 15-19.
- Sumaila, U.R.**, J.P. Volpe and Y. Liu. 2005. Ecological and economic analysis of sablefish aquaculture in British Columbia. 2005 Forum of the North American Association of Fisheries Economists. University of British Columbia, Vancouver. May 25-27.
- Popowich, R.C.**, E.B. Taylor, J.D. Stelfox, and J.P. Volpe. 2005. Bull Trout x Brook Trout Hybrids: Using Genetics to Validate Morphological and Meristic Identification Techniques. Canadian Conference for Fisheries Research. Windsor, ON January 7.
- Popowich R.C.** and J.P. Volpe. 2004. Troubled waters: Cumulative anthropogenic activity and a declining bull trout population in the Elbow River watershed. Forest Land Fish Conference II. Edmonton, AB April 26-28. (*awarded "Best Student Paper").
- Rodtka, M.C.** and J.P. Volpe. 2004. Effects of stream temperature on interspecific competition between juvenile brook and bull trout. Forest Land Fish Conference II. Edmonton, AB April 26-28.
- Williamson, C.** and J.P. Volpe. 2004. Variable stable isotope ($\delta^{15}\text{N}$) enrichment across tissues in juvenile Atlantic salmon (*Salmo salar*) attributable to nutritional stress. Annual Meeting of the North American Benthological Society. Vancouver, BC June 6-10.
- Volpe, J.P.** and M. Skladany. Going beyond the box: Social, political and cultural dimensions of setting organic aquaculture standards. 2nd International Organic Aquaculture Workshop. Minneapolis, MN, July 15-17 2003.
- Popowich, R.C.** and J.P. Volpe. 2003. Competitive Interactions: Determining How Bull Trout/Brook Trout Hybrids Affect Native Albertan Bull Trout Populations. Alberta Conservation Association Partners In Conservation Conference. Edmonton, Alberta. January 24.
- Volpe, J.P.** Atlantic salmon (*Salmo salar*) in British Columbia and the biology of invasion: The sequel. Second International Conference on Marine Bioinvasions. New Orleans, Louisiana. April 9-11 2001.
- Volpe, J.P.**, B.R. Anholt and B.W. Glickman. 2000. Ecology of aquaculture escaped Atlantic salmon (*Salmo salar*) in British Columbia, Canada. Annual Meeting of the Society for Conservation Biology. Missoula, Montana. June 8-12.
- Volpe, J.P.**, B.R. Anholt and B.W. Glickman. 1999. Invasion ecology of aquaculture escapee Atlantic salmon (*Salmo salar*) on the Pacific coast. Aquaculture Canada 1999. Victoria, British Columbia. October 26-29.
- Volpe, J.P.**, B.R. Anholt and B.W. Glickman. 1999. Atlantic salmon (*Salmo salar*) in British Columbia and the biology of invasion. Annual Meeting of the International Northwest Chapter of the American Fisheries Society. Richmond, British Columbia. February 15-17.
- Volpe, J.P.**, B.R. Anholt and B.W. Glickman. 1999. Atlantic salmon (*Salmo salar*) in British Columbia and the biology of invasion. First National Conference on Marine Bioinvasions. Massachusetts Institute of Technology, Cambridge, Massachusetts. January 24-27.

- Volpe, J.P.** and S.M. Pollard. 1998. Describing units for conservation: when molecular genetic tools only tell half the story. Gene Conservation: Identification and Management of Genetic Diversity: A special session of the VII International Congress of Ecology. Florence, Italy. July 19-25, 1998.
- Volpe, J.P.** and B.W. Glickman. 1998. Coastal British Columbia: A case study of the colonization biology of Atlantic salmon (*Salmo salar*). 1998 Annual General Meeting of the American Fisheries Society, North Pacific International Chapter. Union, Washington. March 18-20 1998.
- Volpe, J.P.** and B.W. Glickman. 1997. It may be the "King of Fish" but can British Columbia afford Atlantic salmon (*Salmo salar*)? Annual Meeting of the Society for Conservation Biology. University of Victoria. June 6-9 1997.
- Volpe, J.P.**, L. Bernatchez and M.M. Ferguson. 1993. Molecular genetic variation in four sympatric morphs of Icelandic Arctic charr (*Salvelinus alpinus alpinus*). Canadian Conference on Freshwater Fisheries Research. Trent University. January 3-5 1993.
- Volpe, J.P.**, L. Bernatchez and M.M. Ferguson. 1993. Genetic variation found in the Arctic charr (*Salvelinus alpinus*) population of Thingvallavatn, Iceland using direct nucleotide sequencing. 32nd Annual Meeting of the Canadian Society of Zoologists. University of Guelph.
- Volpe, J.P.**, L. Bernatchez and M.M. Ferguson. 1993. Genetic variation found in the Arctic charr (*Salvelinus alpinus*) population of Thingvallavatn, Iceland using direct nucleotide sequencing. International Symposium for the Genetics of Subarctic Fish and Shellfish. May 17-19 1993, Juneau, Alaska.

CONTRIBUTED ACADEMIC / SCHOLARLY PRESENTATIONS (students underlined)

- Park, A. and Volpe, J.P. 2010. Detection of emamectin benzoate (SLICE) in non-target spot prawn (*Pandalus platyceros*) and determination of biological effects (Poster). International Sea Lice Conference May 9-12th, Victoria BC
- Hahn, R.L., B.R. Anholt, A.C. Hill, A. Mazumder and J.P. Volpe. 2006. Salmon farm wastes as a potential source of nutrients to adjacent intertidal communities in Clayoquot Sound, British Columbia. American Society of Limnology and Oceanography. Victoria, BC. June 4-9.
- Krkosek, M., M.A. Lewis, and J.P. Volpe. 2004. Modeling parasite transmission from farm to wild salmon. MITACS 5th Annual Conference, Dalhousie University, Halifax, NS. June 9-12.
- Rodtka, M. and J.P. Volpe. 2004. Effects of stream temperature on interspecific competition between juvenile brook and bull trout. 4th World Fisheries Congress. Vancouver, BC May 3-6.
- Peet, C.R., A. Mazumder, and J.P. Volpe. 2004. Interactions between the salmon louse (*L. salmonis*) and juvenile salmonids in British Columbia. 4th World Fisheries Congress. Vancouver, BC May 3-6.

Edwards, A., R. Nordin, J.P. Volpe, C. Peet, M. Kainz, A. Mazumder. 2003. Trophic position and mercury in sport and commercial fish from coastal Vancouver Island. Annual meeting of the Collaborative Mercury Research Network. St. Andrews, NB Nov 21-23.

Krkosek, M., M. Lewis, and J.P. Volpe 2003. The mathematical epidemiology of sea lice (*L. salmonis*) in salmon farms and the interaction between aquaculture and wild Pacific salmon. 6th International Conference on Sea Lice. St Andrews, New Brunswick, July 1-4.

Williamson, C., M. Rodtka and J.P. Volpe. 2003. Invasion of brook trout into a small Alberta stream: Insights into trophic shifts and effects on native bull trout. Alberta Conservation Association Partners In Conservation Conference. Edmonton, Alberta. January 24-25.

Rodtka, M. and J.P. Volpe. 2003. Effects of stream temperature on juvenile interspecific competition between exotic brook trout and native bull trout. Alberta Conservation Association Partners In Conservation Conference. Edmonton, AB January 24-25.

Hahn, L. B.R. Anholt, A. Mazumder, D. Duffus, B.W. Glickman and J.P. Volpe. 2001. Effects of salmon farm effluent on adjacent intertidal and *Zostera marina* communities. Pacific Ecology Conference, Bamfield, BC February 16-18.

Volpe, J.P., M.M. Ferguson. 1995. De-coupling of the genotype and phenotype in Arctic charr (*Salvelinus alpinus alpinus*) of Thingvallavatn, Iceland. Fisheries Society of the British Isles International Symposium - 1995. Plymouth, U.K. July 10-13 1995

UVIC TEACHING

(year course semester # students)

2000	ES400C	Fall	39		ES500	Fall	10
2004	ES335B	Summer	17	2011	ES501	Spring	10
2005	ES200	Spring	71		ES240	Fall	120
	ES200	Summer	50		ES482A	Fall	15
	ES341	Fall	69	2013	ES240	Spring	100
2006	ES446	Spring	35		ES446	Spring	37
	ES482A	Spring	13		ES240	Fall	110
	ES200	Fall	146		ES503	Fall	12
2007	ES200	Spring	143	2014	ES240	Spring	97
	ES446	Spring	50		ES482A	Spring	9
	ES240	Fall	115		ES503	Spring	12
	ES500	Fall	9		ES240	Fall	106
2008	ES200	Spring	150	2015	ES240	Spring	90
	ES341	Summer	18		ES503	Spring	12
	ES240	Fall	150		ES240	Fall	98
	ES500	Fall	12		ES503	Fall	12
2009	ES341	Spring	60	2016	ES240	Spring	98
	ES240	Fall	150		ES481	Spring	33
	ES500	Fall	10		ES240	Fall	99
2010	ES446	Spring	30		ES446	Fall	24
	ES501	Spring	10	2017	ES240	Spring	98
					ES481	Spring	25

ES240 Fall

ES482B Fall

ES 200 Introduction to Environmental Studies
ES 240 Ecological Processes
ES 341 Ecological Restoration
ES 446 Sustainable Fisheries
ES 482A Complex Systems

ES 482B Invasion Biology
ES481 History, Science & Culture of Wine
ES 500 Environmental Theories, Methods and Skills I
ES 501 Environmental Theories, Methods and Skills II
ES 503 / 603 Environmental Studies Graduate Colloquium

Graduate Research Supervision

(*co-supervisor*) * NSERC Graduate Scholar

†AB Ingenuity Graduate Scholar

Stefania Gorgopa	MSc		in program - citizen science, SCUBA and rockfish conservation
Siobhan Darlington*	MSc(Fisher)		in program - ungulate coexistence models
Gillian Fraser*	MSc(Fisher)		in program - predator macroecology
Desiree Bulger	MSc		in program - rockfish distribution via habitats
Sandra Frey*	MSc (<i>Fisher</i>)		in program - predator spatio-temporal activity patterns
Gray Daniels	MSc		in program - molecular tunneling & metabolic ecology
Lily Burke	MSc		in program - efficacy of BC Rockfish Conservation Areas (RCAs)
Frances Stewart*	PhD (<i>Fisher</i>)		in program - fisher landscape ecology and genetics
Christy James*	MSc(<i>Fisher</i>)		in program - ecological scale theory
Nikki Heim*	MSc (<i>Fisher</i>)	2015	Parks Canada Biologist Technician
Hannah Roessler	MA (Stephenson)	2013	Instructor - Pacific Rim College
Martina Beck	MSc	2013	Biologist, BC Min FLNRO
Valerie Ethier*	MSc	2013	Contractor
Valerie Mucciarelli*	MSc	2014	Education Coordinator, World Fisheries Trust
Ashley Park*	MSc	2013	Biologist - Archipelago Inc
Dane Stabel	MSc	2011	Bamfield Marine Station
Helen Ford	MSc	2011	Biologist-Parks Can
Hillary Harrup Archibald*	MSc (<i>Schaefer</i>)	2010	PhD Student- U of Western Australia
Amy Deveau*	MSc	2011	Independent GIS Analyst
Jennifer Gee	MSc	2010	UN FAO Analyst
Lise Townsend *	MSc (<i>Schaefer</i>)	2010	Consulting Biologist
Jason Fisher†	PhD (<i>Anholt</i>)	2011	Sr. Research Scientist - Alberta Innovates
Martin Krkošek*	PhD (Lewis)	2009	Assistant Professor - U of Toronto
Corey Peet	MSc. (Mazumder)	2007	Project Manager - Aquaculture Blueyou AG

Latif Saddique	M. Mar. Pol. (Dalhousie)	2006	PhD Candidate - Australia
Ryan Popowich	MSc	2005	Biologist – Golder Associates
Mike Rodtka*	MSc	2005	Biologist – Alberta Conservation Association
Jenn Kelly*	MSc	2005	Sr. Lab Instructor - UBC
Chris Williamson†	MSc	2005	Teacher – Bella Bella, BC
Preston McEachern	PhD	2004	Biologist – Province of Alberta
Theron Miller	PhD	2004	Biologist – State of Utah
Mike Sullivan†	PhD	2003	Biologist – Province of Alberta

Graduate Student Supervisory Committee Member

Cameron Freshwater	Juanes	UVic Biol	PhD	in program
Kira Hoffman	Starzomski	ENVI	PhD	in program
Nancy Shackelford	Starzomski	ENVI	PhD	in program
Lara Puetz	Tunncliffe	UVic Biol	MSc	2014
Jason Straka	Starzomski	ENVI	MSc	2012
Katharine Corriveau	Starzomski	ENVI	MSc	2012
Brooke Campbell	Pauly	UBC Fisheries	MSc	2011
Thomas Child	Turner	ENVI	MSc	2011
Alison Edwards	Mazumder	UVic Biol	MSc	2011
Brian Kopach	Duffus	UVic Geog	PhD	transfer-Calgary
Leanne Harris	Perlman	UVic Biol	MSc	2008
Severn Suzuki-Cullis	Turner	ENVI	MSc	2007
Yajie Liu	Sumaila	UBC Fisheries	PhD	2007
Jennifer Chow	Riemchen	UVic Biol	MSc	2007
Louise Hahn	Anholt	UVic Biol	MSc	2005
Heidi Swanson	Schindler	Alberta Biol	MSc	2004
Erin Kelly	St. Louis	Alberta Biol	MSc	2004
Stephanie Neufeld	Proctor	Alberta Biol	MSc	2004

Graduate Defence External Examiner

Andy Szabo	UVic Geog	MSc	2004
Christine Weldrick	UVic Geog	MSc	2011

Chair of Graduate Oral Defence

Nancy Wilde	UVic Psych	PhD	2005
Paul Teel	UVic Phil	MA	2006
Alvin Bergen	UVic M. Eng	PhD	2008
Nishad Khanna	UVic Educ	MSc	2011
Colette Starheim	UVic Geog	MSc	2011
Karyn Suchy	UVic Biol	PhD	2014
Francis Harrison	UVic Comp Sci	MSc	2015

Undergraduate Research Supervision

2013	Francine Beaujot	Undergraduate Honours Project (EOS)
2011	Elisabeth Sargeant	Undergraduate Honours Project (BIOL)

2010	Megan Adams Jenna Stoner	Undergraduate Honours Project (BIOL) NSERC USRA Scholar
2009	Megan Adams Erin Webb	NSERC USRA Scholar MITACS Co-Op Summer Scholar
2008	Melanie Page	NSERC USRA Scholar
2002	Jenn Kelly Jenn Kelly	Undergraduate Honours Project (Alberta) NSERC USRA Scholar (Alberta)
2007	Ashley Park Brock Ramshaw	NSERC USRA Scholar NSERC USRA Scholar
2006	Stephanie Peacock Helen Ford	NSERC USRA Scholar NSERC USRA Scholar
2005	Pamela Tudge	Environmental Studies Final Project
2002	Jean-Francios Buoffard Jean-Francios Buoffard	Undergraduate Honours Project (Alberta) NSERC USRA Scholar (Alberta)

RESEARCH FUNDING (*unsuccessful proposals indicated 2014 onwards*)

2018	38,855	Canadian Habitat Stewardship Program (Applicant - Galiano Conservancy)
2017	47,762	Canadian Habitat Stewardship Program (Applicant - Galiano Conservancy)
2016	468,100	NSERC (5 yr Discovery) - (<i>not funded</i>)
2015	10,000	Vancouver Foundation (<i>not funded</i>)
	25,016	Seaworld Busch Gardens Conservation Fund (<i>not funded</i>)
	63,358	Mitsubishi Corporation (<i>not funded</i>)
	71,933	Canadian Habitat Stewardship Program (Applicant - Galiano Conservancy)
	24,000	PICS Graduate Student Fellowship (<i>not funded</i>)
	1,522	British Columbia Jobs Grant (<i>not funded</i>)
	10,600	PADI Foundation (<i>not funded</i>)
2014	16,450	Canadian Wildlife Federation
	24,000	PICS Graduate Student Fellowship (<i>not funded</i>)
	7,000	UVic Internal Research Grant
	100,000	UVic Internal Research Grant (MEOPAR - PI Natalie Ban)
2012	15,210	Intervet (Schering-Plough)
	5,000	David Suzuki Foundation
	5,600	Fishwise
	49,000	Monterey Bay Aquarium Seafood Watch Program
	10,000	Sea Choice
2011	187,000	Pew Charitable Trusts
	15,000	MITACS
	66,200	Canadian Aquatic Invasive Species Network (CAISN-NSERC)
2010	287,000	Pew Charitable Trusts
	30,000	MITACS Accelerate
2009	5,000	Watershed Watch Society
	80,000	MITACS
	204,000	Lenfest Ocean Program
2008	10,000	Pew Charitable Trusts
	10,000	Canadian Sablefish Association
	45,000	Pacific Salmon Forum
2007	86,500	NSERC Discovery (over 5 years)

2006	47,100	Invasive Alien Species Partnership Program (PI Purnima Govindarajulu)
	27,000	Pacific Salmon Forum
	35,000	National Geographic Society
	£180,000	Darwin Foundation (Co-PI)
2005	18,000	U of Victoria Start-up
2004	17,000	Canadian Sablefish Association
	30,000	Alberta Conservation Association
2003	5,000	Canadian Wildlife Federation
	102,158	Canadian Foundation for Innovation (CFI) - New Opportunities
	102,158	AB Science & Research Investments Program
2002	28,000	Alberta Conservation Association
	993,551	Canadian Foundation for Innovation (CFI) – Innovation Fund (ACCRU) (Co-PI)
	90,000	NSERC Discovery (over 5 years)
2001	156,000	NSERC/ SHRC – Major Collaborative Research Initiative (Coasts Under Stress)
	80,000	University of Alberta Start-up
	270,000	BC Habitat Conservation Trust

PROFESIONAL SERVICE

Testimony

New Zealand Federal Board of Inquiry in Salmon Aquaculture November 2012

BC Superior Court (Mainstream Canada v Staniford) Dec 2011 / Jan 2012 Vancouver BC

BC Legislative Committee on Sustainable Aquaculture. Oct 18 2006. Victoria, BC

Alaska State Senate. May 24 2004. Juneau, AK.

Leggatt Inquiry Into BC Aquaculture. October 10 2001. Vancouver, BC.

Canadian Federal Senate Fisheries Committee. May 9 2001. Vancouver, BC.

Canadian Federal Senate Fisheries Committee. March 30 2000. Duncan, BC

Canadian Fed. Parliamentary Comm. on Fisheries and Oceans. Feb.16 2000. Victoria, BC.

Washington State Senate. Sept. 16 1999. Olympia, WA

Nonacademic Appointments

2014-current Board of Directors, Rockfish Conservation Foundation

2014-current; 2002-05 Scientific Advisory Board, Seafood Watch Program

Monterey Bay Aquarium

2001-04 Scientific Advisory Board, Raincoast Conservation Society

2004-present Canadian Ark of Taste Review Board, Slow Food International

Administrative Appointments and Duties

External

2015 External Program Reviewer - U Waterloo Environ & Resource Studies

UVic

2015 Dean's Advisory Committee

2014 UVic Faculty Pension Fund Trustee (*unsuccessful in election*)

2008-09 UVic Senate – Soc Sci Representative

2008-11; 2014-present UVic Marine Safety Committee

2007-11 Graduate Advisor – School of Environmental Studies
2005-11 Restoration of Natural Systems Program Advisory Board
2005 SS&M (DTB) Building Committee
2005 Social Science Internal Grant Review Committee

School of Environmental Studies

2015-present ENVI Graduate Committee
2015 Search Committee - Ethnoecology tenure track position
2013 Director - School of Environmental Studies (6 month term)
2010 Search Committee - ENVI Director (Stephenson)
2008-09 Search Committee - Ian McTaggart-Cowan Chair (Starzomski)
2008 Search Committee - Ethnoecology Limited Term (Schrieber)
2008 Search Committee - Ethnoecology tenure track position (Lantz)
2007 Search Committee - Sr. Lab Instructor (Beckwith)
2005 Search Committee - LEEF Chair – *Cultures and Ecosystems at Risk*
2005 Search Committee - RNS Director (Schaefer)
2007-11 ENVI Graduate Student Advisor
2005-present ENVI ARPT Committee