



Anne K. Salomon  
School of Resource and Environmental Management  
Simon Fraser University  
Curriculum Vitae  
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## EDUCATION

Doctorate of Philosophy, University of Washington 2006  
Masters of Science, University of British Columbia 2000  
Bachelor of Science (Hon), Queen's University 1996

## ACADEMIC POSITIONS

Sept 2015	Associate Professor, School of Resource and Environmental Management, Simon Fraser University
2009-2015	Assistant Professor, School of Resource and Environmental Management, Simon Fraser University
2008-2010	David H. Smith Postdoctoral Fellow, Marine Science Institute, University of California Santa Barbara
2007	Postdoctoral Fellow, Marine Science Institute, University of California Santa Barbara
2003	Visiting Scholar, Leigh Marine Laboratory, University of Auckland
2002	Research Assistant, School of Marine Affairs, University of Washington
2001	Research Assistant, Department of Zoology, University of Washington
1996	Research Assistant, Fisheries Center, University of British Columbia
1996	Research Assistant, Center for Biodiversity, University of British Columbia

## RESEARCH GRANTS

1. **Salomon, A.K.** 2016-2021. Ecosystem tipping points in an era of global change. Natural Sciences and Engineering Research Council of Canada Discovery Grant (\$180,000)
2. **Salomon, A.K.** 2016-2017. Informing the conservation and management of Pacific Herring on Canada's west coast. MITACS (\$30,000)
3. **Salomon, A.K., J. Burt, Kii'iljuus (Barb Wilson).** 2016. Community engagement as a tool for enhancing adaptive capacity to sea otter recovery. SFU Community Engagement Initiative. (\$9,450)
4. Pitcher, T., **A.K. Salomon**, M.J. Krkosek, E.A. Pakhomov, D. Yang. 2013-2015. Understanding the ecosystem role of Pacific herring in coupled social-ecological systems: Advancing forage fish science. Natural Sciences and Engineering Research Council of Canada Strategic Grant (\$682,335)
5. **Salomon, A.K.** 2013-2016. Cascading effects of predator recovery on coupled human-ocean systems. Pew Charitable Trusts (\$150,000)
6. **Salomon, A.K.** 2013-2014. Tipping points in high latitude kelp forest ecosystems. Tula Foundation (\$40,000)
7. Lepofsky, D., **A.K. Salomon**, N. Turner, K. Rowell, J. Silver. 2013. Ancient mariculture among the coastal First Nations of British Columbia: Integrating archaeological, ecological and traditional knowledge. Wenner-Gren Grant (\$19,800)
8. Lepofsky, D., **A.K. Salomon.** 2013. The social and ecological context of ancient mariculture in Heiltsuk



- traditional territory, British Columbia. Social Sciences and Humanities Research Council of Canada (\$9,980)
9. Martin, J.L., S. Chamaillé-Jammes, **A.K. Salomon** et al. 2013. Crossing ecosystem boundaries: do subsidies from ocean kelp forests exacerbate deer impact on forest biodiversity? National Geographic (\$19,750)
  10. Lertzman, K., T. Sisk, **A.K. Salomon**. 2012. Scientific assessment of oil sands impacts on biocultural diversity. Tides Canada (\$70,000)
  11. Hessing-Lewis, M., B. Keeling, **A.K. Salomon**, D. Lepofsky, B. Hunt, E. Pakhomov, L. Hauser. 2012. Investigating the causes and consequences of herring population declines on BC's Central Coast. Tula Foundation (\$80,000)
  12. **Salomon, A.K.** 2011. Mobile marine research laboratory. Canadian Foundation for Innovation and British Columbia Knowledge Development Fund (\$275,000)
  13. Pinkerton, E., **A.K. Salomon**, D. Harris. 2011-2013. Overcoming barriers to the exercise of aboriginal rights to healthy clam fisheries: learning through partnerships. Social Sciences and Humanities Research Council of Canada Partnership Development Grant (\$214,046)
  14. Lepofsky, D., A. Cooper, K. Letzman, M. Robards, **A.K. Salomon**, D. Yang. 2011-2013. The herring school: bringing together culture, ecology, and governance to support sustainability on BC's Central Coast. Social Sciences and Humanities Research Council of Canada Partnership Development Grant (\$192,450)
  15. **Salomon, A.K.** 2011. Investigating the resilience of kelp forest ecosystems on BC's Central Coast. Tula Foundation (\$20,000)
  16. **Salomon, A.K.** 2010-2015. Forecasting marine ecosystem resilience: Variation in species interactions and food web dynamics in a changing world. Natural Sciences and Engineering Research Council of Canada Discovery Grant (\$145,000)
  17. **Salomon, A.K.**, L Lee. 2010. Sea otters, kelp forests and the recovery of northern abalone. Tula Foundation (\$11,780)
  18. **Salomon, A.K.** 2010-2015. Assessing the ecosystem effects of marine zoning in Gwaii Haanas National Park Reserve and Haida Heritage Site, British Columbia. Parks Canada Contribution Agreement (\$66,000)
  19. **Salomon, A.K.** 2010-2014. Cross system trophic cascades: investigating the indirect effects of terrestrial invasive predators on marine intertidal community dynamics, Gwaii Haanas National Park Reserve and Haida Heritage Site. Parks Canada Contribution Agreement (\$44,000)
  20. **Salomon, A.K.** 2009. Assessing coastal food web dynamics to inform ecosystem-based management and conservation. Simon Fraser University President's Research Start-Up Grant (\$100,000)
  21. **Salomon, A.K.**, Port Graham Tribal Council. 2009. Imam Cimiucia: Our Changing Sea. Rasmuson Foundation (\$19,800)
  22. Lepofsky, D., M. Washington, D. Deur, J. Harper, K. Rowell, **A.K. Salomon**, J. Welch. 2009. Documenting ancient management of marine resources among the Tla'Amin of southwest BC: Integrating archaeological, ecological, and traditional knowledge. National Geographic (\$21,060)



23. **Salomon, A.K.**, J. Ruesink. 2003-2005. Investigating the relative roles of natural and shoreline harvest in altering the community structure, dynamics, and diversity of the Kenai Peninsula's rocky intertidal. Gulf of Alaska Ecosystem Monitoring and Research Program Grant (\$141,900)
24. **Salomon, A.K.** J. Ruesink, R. Babcock, T. Langlois. 2002. Investigating the ecosystem-level effects of temperate marine reserves using stable isotope analysis. PADI Project Aware Foundation (\$2,500)
25. **Salomon, A.K.** J. Ruesink, R. Babcock, T. Langlois. 2002. Investigating the ecosystem-level effects of temperate marine reserves using stable isotope analysis. Washington Sea Grant (\$2,000)
26. **Salomon, A.K.** 1999. The role of marine protected areas in temperate marine ecosystems; and analysis of empirical evidence, site selection methodology and design principles. Parks Canada (\$5,000)

### TEACHING GRANTS

1. **Salomon, A.K.**, K. Lertzman. 2013. Resilience of social-ecological systems. Simon Fraser University's Faculty of Environment Collaborative Teaching Grant (\$20,000)
2. **Salomon, A.K.**, K. Lertzman, D. Lepofsky, N. Turner. 2012. Human impacts on ancient and contemporary coastal ecosystems; Managing for social-ecological resilience. Simon Fraser University's Faculty of Environment Collaborative Teaching Grant (\$20,000)

### PEER-REVIEWED JOURNAL PUBLICATIONS

**Authorship Order:** To identify publications originating from my research program for which I contributed the primary intellectual idea, framework and mentorship, funding, lab space, and field logistics, as of 2013, I have chosen to identify my role as Principle Investigator by placing myself at the end of the list of co-authors.

**Legend:** Students & Post-Docs under my supervision, \*Principle Investigator, JIF: Journal Impact Factor

1. Keeling, B., M. Hessing-Lewis, C. Housty, D.K. Okamoto, E. Gregr, **A.K. Salomon\***. *In Press. Accepted Dec 27 2016*. Factors driving spatial variation in egg survival of an ecologically and culturally important forage fish. *Aquatic Conservation: Marine and Freshwater Ecosystems*.  
**JIF 2015: 2.415**
2. Krumhansl, K.A., J.N. Bergman, **A.K. Salomon\***. *In Press. Accepted Dec 16 2016*. Assessing the ecosystem-level consequences of a small-scale artisanal kelp fishery within the context of climate-change. *Ecological Applications*.  
**JIF 2015: 4.252**
3. Lynham, J., B.S. Halpren, T. Blenckner, T. Essington, J. Estes, M. Hunsicker, C. Kappel, **A.K. Salomon**, C. Scrborough, K.A. Selkoe, A. Stier. 2017. Costly stakeholder participation creates inertia in marine ecosystems. *Marine Policy* 76: 122-129.  
**JIF 2015: 2.453**
4. Green, S.J., K. Demes, M. Arbeider, W.J. Palen, **A.K. Salomon**, T.D. Sisk, M. Webster, M. E. Ryan. 2016. Oil sands and the marine environment: Current knowledge and future challenges. *Frontier in Ecology and the Environment*. doi:10.1002/fee.1446  
**JIF 2015: 8.504**



5. Lee, L., J. Watson, R. Trebilco, **AK. Salomon\***. 2016. Indirect effects and prey behavior mediate interactions between an endangered prey and recovering predator. *Ecosphere* 7(12):e01604. 10.1002/ecs2.1604  
**JIF 2015: 2.287**
  
6. Krumhansl, K.A., D.K. Okamoto, A. Rassweiler, M. Novak, J.J. Bolton, K.C. Cavanaugh, S.D. Connell, C.R. Johnson, B. Konar, S.D. Ling, F. Micheli, K. Norderhaug, A. Perez-Matus, I. Sousa-Pinto, D. Reed, **A.K. Salomon**, N.T. Shears, T. Wernberg, R.J. Anderson, N. Barrett, A.H. Buschmann, M.H. Carr, J.E. Caselle, S. Derrien-Courtel, G.J. Edgar, M.S. Edwards, J. Estes, C. Goodwin, M.C. Kenner, D. J. Kushner, F.E. Moy, J. Nunn, R.S. Steneck, J.A. Vasquez, J. Watson, J. Whitman. J.E.K. Byrnes. Global patterns of kelp forest change. 2016. *Proceedings of the National Academy of Science* 113 (48) 13785-13790.  
**JIF 2015: 9.423**
  
7. Jackley, J., L. Gardner, A. Djunaedi, **A.K. Salomon\***. 2016 Ancient clam gardens, traditional management portfolios, and the resilience of coupled human-ocean systems. *Ecology and Society*.21(4):20  
<https://doi.org/10.5751/ES-08747-210420>  
**JIF 2015: 4.644**
  
8. Trebilco, R., N.K. Dulvy, S.C. Anderson, **A.K. Salomon\***. 2016. The paradox of inverted biomass pyramids in kelp forest fish communities. *Proceedings of the Royal Society B Biological Sciences*. 283:20160816.  
**JIF 2015: 4.823**
  
9. Stevenson C.F., K.W. Demes, **A.K. Salomon\***. 2016. Accounting for size-specific predation improves our ability to predict the strength of a trophic cascade. *Ecology and Evolution*.1-13. doi: 10.1002/ece3.1870  
**JIF 2015: 2.537**
  
10. Trebilco, R., N.K. Dulvy, H. Stewart, **A.K. Salomon\***. 2015. The role of habitat complexity in shaping the size structure of a temperate reef fish community. *Marine Ecological Progress Series* 532:197-211.  
**JIF 2015: 2.87**
  
11. Selkoe. K.A. T. Blenckner, M.R. Caldwell, L. Crowder, A. Erickson, T. Essington, J. Estes, R. Fujita, B.S. Halpern, M. Hunsicker, C.V. Kappel, R. Kelly, J.N. Kittinger, P.S. Levin, J. Lyman, M. Mach, R. Martone, L. Mease, **A.K. Salomon**, J. Samhouri, C. Scarborough, A. Stier, C. White, J. Zedler. 2015. Principles for managing marine ecosystems prone to tipping points. *Ecosystem Health and Sustainability* 1(5):1-18.  
**JIF 2015: N/A as this Ecological Society of America (ESA) journal was launched in 2015**
  
12. Lepofsky, D., N.F. Smith, N. Cardinal, J. Harper, M. Morris, Gitla (E. White), R. Bouchard, D.I.D. Kennedy, **A.K. Salomon**, M. Puckett, K. Rowell and E. McLay. 2015. Ancient shellfish mariculture on the northwest coast of North America. *American Antiquity* 80(2) 236-259.  
**JIF 2015: 1.988**
  
13. Ling S.D., R.E. Scheibling, C.R. Johnson, A. Rassweiler, N. Shears, S.D. Connell, **A.K. Salomon**, K.M. Norderhaug, A. Perez-Matus, J.C. Hernandez, S. Clemente, L. Blamey, B. Hereu, E. Ballesteros, E. Sala, J. Garrabou, E. Cebrian, M. Zabala, D. Fujita. 2015. Global regime-shift dynamics of catastrophic sea urchin overgrazing. *Philosophical Transactions of the Royal Society B*. 370: 20130269.  
**JIF 2015: 5.847**



14. Ban, N.C., C. McDougall, M. Beck, **A.K. Salomon**, K. Cripps. 2014. Applying empirical estimates of marine protected area effectiveness to assess conservation plans. *Biological Conservation* 180:134-148.  
**JIF 2015: 3.985**
15. von der Porten, M., A.B. Cooper, N.A. Bickerton, **A.K. Salomon\***. 2014 Quantifying the spatial ecology of human-bear conflict in a wildland-urban landscape. *Canadian Wildlife Biology and Management* 3(2): 70-80.  
**JIF 2013: N/A**
16. Palen, W.J., T.D. Sisk, M.E. Ryan, J.L. Arvai, M. Jaccard, **A.K. Salomon**, T. Homer-Dixon, K. Lertzman. 2014. Consider the global impacts of oil pipelines. *Nature* 510:465-467.  
**JIF 2013: 42.351**
17. Groesbeck, A., K. Rowell, D. Lepofsky, **A.K. Salomon\***. 2014. Ancient clam gardens increased shellfish production: Adaptive strategies from the past can inform food security today. *PLOS One* 9 (3): e91235.  
**JIF 2013: 3.534**
  - *featured on national public radio in Canada: CBC's Quirks & Quarks and locally in the Vancouver Sun*
18. Tewksbury, J.J., J.G. T. Anderson, J. D. Bakker, T.J. Billo, P.W. Dunwiddie, M.J. Groom, S.E. Hampton, S.G. Herman, D.J. Levey, N.J. Machnicki, C. Martinez del Rio, M.E. Power, K. Rowell, **A.K. Salomon**, L. Stacey, S.C. Trombulak, T. A. Wheeler. 2014. Natural history's place in science and society. *BioScience* 64(4): 300-309.  
**JIF 2013: 5.439**
  - *featured in Nature magazine*
19. Trebilco, R., J.K. Baum, **A.K. Salomon**, N.K. Dulvy. 2013. Size-based constraints on Elton's pyramid of life. *Trends in Ecology and Evolution* 28: 423-431.  
**JIF 2013: 15.353**
  - *recommended by Faculty of 1000*
20. Singh, G.G., R.W. Markel, R.G. Martone, **A.K. Salomon**, C.D.G. Harley, K.M. A. Chan. 2013. Sea otters homogenize mussel beds and reduce habitat provisioning in a rocky intertidal ecosystem. *PLOS One* 8(5): e65435.  
**JIF 2013: 3.534**
21. Szpak, P., T.J. Orchard, **A.K. Salomon**, D.R. Gröcke. 2013. Regional ecological variability and impact of the maritime fur trade on nearshore ecosystems in southern Haida Gwaii (British Columbia, Canada): Evidence from stable isotope analysis of rockfish (*Sebastes* spp.) bone collagen. *Archaeological and Anthropological Sciences* 5:159-182.  
**JIF 2013: 1.060**
22. Chester, A., K. Starosta, C. Andreoiu, R. Ashley, A. Barton, J.-C. Brodovitch, M. Brown, T. Domingo, C. Janusson, H. Kucera, K. Myrtle, D. Riddell, K. Scheel, **A. Salomon**, P. Voss. 2013. Monitoring rainwater and seaweed reveals the presence of <sup>131</sup>I in southwest and central British Columbia, Canada following the Fukushima nuclear accident in Japan. *Journal of Environmental Radioactivity* 124: 205-213.  
**JIF 2013: 3.571**
23. Olson, E.L., **A.K. Salomon**, A.J. Wirsing, M.R. Heithaus. 2012. Large Scale movement patterns of male loggerhead sea turtles (*Caretta caretta*) in Shark Bay, Australia. *Journal of Marine and Freshwater Research* 63: 1108-1116.  
**JIF 2013: 2.250**



24. Huntington, H., S. Gearheard, A. Mahoney, **A.K. Salomon**. 2011. Integrating traditional and scientific knowledge through collaborative field research: Identifying elements for success. *Arctic* 64: 437-445.  
**JIF 2013: 1.077**
25. **Salomon, A.K.**, S. Gaichas, O. Jensen, V.N. Agostini, N.A. Sloan, J. Rice, T. McClanahan, R. Fujita, M. Ruckelshaus, P. Levin, N.K. Dulvy, B. Babcock. 2011. Bridging the divide between fisheries and marine conservation science. *Bulletin of Marine Science* 87: 251-274.  
**JIF 2013: 1.333**
26. Bakker, V., J. Baum, J. Brodie, **A.K. Salomon**, B. Dickson, H. Gibbs, O. Jensen, P. McIntyre. 2010. The changing landscape of conservation science funding in the United States. *Conservation Letters* 3: 435-44.  
**JIF 2013: 5.032**
27. **Salomon, A.K.**, S.K. Gaichas, N.T. Shears, J.E. Smith, E.M.P. Madin, S.D. Gaines. 2010. Key features and context-dependent effects of fishery-induced trophic cascades. *Conservation Biology* 24: 382-394.  
**JIF 2013: 4.320**
28. Baskett, M.L., **A.K. Salomon**. 2010. Recruitment facilitation can drive alternative states on temperate reefs. *Ecology* 9: 1763-1773.  
**JIF 2012: 5.175**
29. Doukakis, P., E.C.M. Parsons, W.C.G. Burns, **A.K. Salomon**, E. Hines, J.A. Cigliano. 2009. Gaining traction: Re-treading the wheels of marine conservation. *Conservation Biology* 23: 841-846.  
**JIF 2013: 4.320**
30. **Salomon, A.K.**, N.T. Shears, T. Langlois, R.C. Babcock. 2008. Cascading effects of fishing can alter carbon flow through a temperate coastal ecosystem. *Ecological Applications* 18: 1874-1887.  
**JIF 2012: 3.815**
31. Shears, N.T., R.C. Babcock, **A.K. Salomon**. 2008. Context-dependent effects of fishing: Variation in kelp forest trophic cascades across environmental gradients. *Ecological Applications* 18: 1860-1873.  
**JIF 2012: 3.815**
32. **Salomon, A.K.**, N.M. Tanape Sr., H.P. Huntington. 2007. Serial depletion of marine invertebrates leads to the decline of a strongly interacting grazer. *Ecological Applications* 17: 1752-1770.  
**JIF 2012: 3.815**  
- recommended by Faculty of 1000
33. **Salomon, A.K.**, J.L. Ruesink, R.E. DeWreede. 2006. Population viability, ecological processes and biodiversity: Valuing sites for reserve selection. *Biological Conservation* 128: 79-92.  
**JIF 2013: 4.036**
34. Semmens, B.X., E. R. Buhle, **A.K. Salomon**, C.V. Pattengill-Semmens. 2004. A hotspot of non-native marine fishes: evidence for the aquarium trade as an invasion pathway. *Marine Ecological Progress Series* 266: 239-244.  
**JIF 2013: 2.64**



35. Cumming, B.F., K.R. Laird, J.R. Bennett, J.P. Smol, **A.K. Salomon**. 2002. Persistent millennial-scale shifts in moisture regimes in western Canada during the past six millennia. *Proceedings of the National Academy of Science* 99: 16117-16121.  
**JIF 2013: 9.809**
36. **Salomon, A.K.**, N. Waller, C. McIlhagga, R. Yung, and C. Walters. 2002. Modeling the trophic effects of marine protected area zoning policies; A case study. *Aquatic Ecology* 36: 85-95.  
**JIF 2013: 1.456**
37. **Salomon, A.K.**, J.L. Ruesink, B.X. Semmens, and R.T. Paine. 2001. Incorporating human and ecological communities in marine conservation: An alternative to Zacharias and Roff. *Conservation Biology* 15: 1452-1455. **JIF 2013: 4.320**

## PEER-REVIEWED JOURNAL PUBLICATIONS IN REVIEW

## PEER-REVIEWED BOOKS AND BOOK CHAPTERS

1. **Salomon, A.K.** \*, B.J. Wilson, E. White, N. Tanape Sr., T. M. Happynook. 2015. First Nations perspectives on sea otter conservation in British Columbia and Alaska; Insights into coupled human-ocean systems. In: Sea otter conservation Eds: S. Larson, G. VanBlaricom and J. Bodkin. Elsevier. p. 301-331.  
<http://dx.doi.org/10.1016/B978-0-12-801402-8.00011-1>
2. Groesbeck, A., K. Rowell, D. Lepofsky, **A.K. Salomon\***. 2015. Ancient clam gardens. In: The archaeology of food: An encyclopedia. Ed: K. Metheny. Rowman & Littlefield. p.24-25.
3. **Salomon, A.K.** and K. Rowell. 2012. The Art of Ecology; How Field Notes and Sketches Offer Insights into Nature. In: Observation and Ecology; Broadening the Scope of Science to Understand a Complex World. Eds: R. Sagrin and A. Pauchard. Island Press.
4. **Salomon, A.K.**, N. Tanape Sr., H.P. Huntington. 2011. Imam Cimiucia; Our Changing Sea. Alaska Sea Grant & University of Alaska Press.  
- *Winner of the Alaska Library Association's 2012 Alaskan Award for its "significant literary contribution to the understanding of Alaska and Alaskan history."*  
- *Winner of the National Association of Government Communicators' 2012 Award for best book.*
5. **Salomon, A.K.** 2008. Ecosystems. In: Encyclopaedia of Ecology. General Ecology. Vol.2. Editors: S.E. Jørgensen and B.D. Fath. pp.1155-1165.

## PEER-REVIEWED TECHNICAL REPORTS

1. Trebilco, R., K.W. Demes, L.C. Lee, B.E. Keeling, N.A. Sloan, H.L. Stewart, and **A.K. Salomon\***. 2014. Summary of baseline kelp forest surveys within and adjacent to Gwaii Haanas National Park Reserve, National Marine Conservation Area Reserve and Haida Heritage Site, Haida Gwaii, British Columbia, Canada. Fisheries and Oceans Canada. p.1-33
2. Burt, J.M., P. Akins, E. Latham, M. Beck, **A.K. Salomon\***, N. Ban\*. 2013. Marine protected area network design features that support resilient human-ocean systems. p. 1-57





3. Jessen, S., K. Chan, I. Côté, P. Dearden, E. De Santo, M.J. Fortin, J. Gardener, F. Guichard, W. Haider, L. Honka, G. Jamieson, D.L. Kramer, A. McCrea-Strub, R. Menafrá, M. Mulrennan, W.A. Montevecchi, J. Roff, **A.K. Salomon** and A. Woodley. 2011. Science-based guidelines for MPAs and MPA networks in Canada. Vancouver: Canadian parks and Wilderness Society. p. 1- 58
4. **Salomon, A.K.** 2006. Investigating the relative roles of natural factors and shoreline harvest in altering the community structure, dynamics and diversity of the Kenai Peninsula's rocky intertidal, Gulf Ecosystem Monitoring and Research Project Final Report (GEM Project 030647), University of Washington, Seattle, Washington.
5. Bunday, A., G. Giannico, C. Holt, **A. Salomon**. 2005. An analysis of how natural sciences are addressing fisheries within the context of conservation. In: Innovation and outlook in fisheries; An assessment of research presented at the 4<sup>th</sup> World Fisheries Congress. Eds. R. Chuenpagdee, A. Bunday. UBC Fisheries Center Report 13: 18-34.
6. **Salomon, A.K.**, A. Fukuyama, D. Urban, G. Eckert, S. Saupe. 2004. Recommendations towards an ecosystem-based approach to marine invertebrate conservation in Alaska. Prepared for the Alaska Department of Fish and Game Conservation Wildlife Strategy.
7. **Salomon, A.K.** 2000. The role of marine protected areas in temperate marine ecosystems; an analysis of empirical evidence, site selection methodology and design principles. Canadian Heritage Parks Canada, Western Canada Service Center.

#### NON-REFEREED TECHNICAL REPORTS

1. Puckett, M., D. Lepofsky, S. Formosa, K. Rowell, **A.K. Salomon**. 2012. Quadra Island clam garden archeological field report. p. 28.
2. Hessing-Lewis, M., B. Keeling, A. Gerrard, and **A.K. Salomon\***. 2011. Investigating the social and ecological causes and consequences of Pacific herring declines in BC's Central Coast. 2011 Field Report. p.26
3. Lee, L., B. Davis, **A.K. Salomon\***. 2011. Investigating the ecological consequences of sea otter recovery in the Central Coast of British Columbia. Coastal Marine Ecology and Conservation Lab. School of Resource and Environmental Management.
4. Caldwell, M., T. Clark, D. Lepofsky, A. Groesbeck, **A.K. Salomon** and K. Rowell. 2011. Quadra Island 2010 Clam Garden Exploration.
5. Lee, L., R. Trebilco, **A.K. Salomon\***. 2010. Kelp forest food webs in Gwaii Haanas; Ecosystem-Level effects of predator depletion and recovery. 2009 Field Report. Coastal Marine Ecology and Conservation Lab. School of Resource and Environmental Management.

#### THESES

1. **Salomon, A.K.** 2006. Trophic Effects of Fishing on Temperate Coastal Food Webs and Ecosystem Dynamics. PhD Thesis. University of Washington. Supervisors: Drs. Jennifer Ruesink and Bob Paine





2. **Salomon, A.K.** 2000. Biodiversity and Population Viability; Implications for Marine Protected Area Site Selection. M.Sc. Thesis. University of British Columbia. Supervisors: Drs. Rob DeWreede and Jennifer Ruesink
3. **Salomon, A. K.** 1996. A 3000 Year Paleolimnological Record of Climatic Change in British Columbia. Undergraduate Honours Thesis. Queen's University. Supervisors: Drs. Brian F. Cumming and John P. Smol.

#### NON-REFEREED GENERAL PUBLICATIONS

1. Burt, J., Kii'ijuu (B. Wilson), **A.K. Salomon\***. 2016. Coastal voices community update.
2. Trebilco, R., N.K. Dulvy, H. Stewart, **A.K. Salomon\*** 2015. Summary of recent scientific publication based on field research on Haida Gwaii & Gwaii Haanas.
3. Homer-Dixon, T., M. Jaccard, K. Lertzman, W. Palen, M. Ryan, A. Salomon, T. Sisk. 2015. Scientists Call for a Moratorium on Oil Sands Development. <http://www.oilsandsmoratorium.org/>
4. Hessing-Lewis, M., B. Keeling, A. Gerrard, and **A.K. Salomon\*** 2011. Herring School 2011 Field Report Newsletter. p.3
5. **Salomon. A.K.** Notes from the field of a Smith Fellow. Society for Conservation Biology Newsletter. 15(4): 15
6. **Salomon, A.K.** 2002. Ecological interactions and indirect effects in marine reserves: Expect the Unexpected. Puget Sound Water Quality Action Team. Puget Sound Notes 46: 8-12.

#### FILMS, VIDEOS & WEB SITES

1. Herb, I., G. Callegari, J. Isabella, **A.K. Salomon\***. Coastal Voices: Navigating the Return of Sea Otters. 2015. <http://coastalvoices.net/>  
Selected to be screened at: Culture Unplugged Festival 2016
2. Burt, J., **A.K. Salomon\***. Shifting outer shores: Tipping points in rocky reef ecosystems. <http://cmeclab.com/research/>
3. Wunsch, M., **A.K. Salomon**. Clam Garden Project: Notes from the field 2014. <https://www.youtube.com/watch?v=9nZfV9GVRRk>

#### HONOURS AND AWARDS

2015	Award for Excellence in Graduate Supervision Awarded by: SFU Dean of Graduate Studies	\$6,500
2013	International Recognition of Professional Excellence Prize Awarded by: The International Ecology Institute <a href="http://www.int-res.com/ecology-institute/eci-home/">http://www.int-res.com/ecology-institute/eci-home/</a>	\$4,000
2013	Pew Fellow in Marine Conservation <a href="http://www.pewenvironment.org/research-programs/marine-fellows/">http://www.pewenvironment.org/research-programs/marine-fellows/</a>	\$150,000



## FELLOWSHIPS

2009	Endowed Research Fellowship, Faculty of Environment SFU	\$5,000
2008	David H. Smith Conservation Research Fellowship	\$136,000
2005	National Oceanic and Atmospheric Administration Research Award	\$25,000
2005	Society for Conservation Biology Student Award	\$600
2002	Women in Science Fellowship, University of Washington	\$6,450
2002	Experimental Field Ecology Award, University of Washington	\$1,500
2001-2002	National Estuarine Research Reserve Graduate Fellowship, NOAA	\$17,500
2001	Fisheries and Oceans Canada Graduate Research Scholarship	\$5,000
2000-2002	Natural Sciences and Engineering Research Council of Canada PGSB	\$38,200
1998-2000	Natural Sciences and Engineering Research Council of Canada PGSA	\$34,000
1998	James Ray Scholarship, University of Washington	\$1,900
1997	University of Victoria Fellowship	\$11,400
1996	Dr. Clendenning Scholarship for Marine Biology, Queen's University	\$300

## PROFESSIONAL SERVICE OUTSIDE THE UNIVERSITY

2016	Scientific Advisor & Member, Central Coast Marine Plan Implementation team for the Marine Area Planning Partnership (MaPP)
2014	Workshop Co-Convener: Visioning the Future of Kelp Forests, Sea Otters and Human Interactions. Run in collaboration with Hakai Institute, several Coastal First Nations and Central Coast Indigenous Resource Alliance. <i>- featured twice in the Globe and Mail. June 18, 2014: Scientists, native leaders invoke Exxon Valdez spill in response to Gateway. by Mark Hume. July 19, 2014: The remarkable comeback of sea otters to the BC coast. by Mark Hume</i>
2014	Workshop Participant and Co-Convener: Oil Sands Scientific Synthesis and Advanced Communications Workshop in collaboration with Drs. Lertzman, Jaccard, Palen, Sisk, Ryan and Ms. Baron
2012-present	Subject Editor for Ecology and Society
2012-2014	Scientific Advisor & Member, Central Coast Marine Plan Advisory Committee (CCMPAC) for the Marine Area Planning Partnership (MaPP) <i>- featured in film; "MaPPing BC's Ocean Future" <a href="http://youtu.be/pCjGVBoHEjc">http://youtu.be/pCjGVBoHEjc</a></i>
2013-present	Scientific Advisor: Ocean Tipping Points Project, Stanford University's Center for Ocean Solutions
2012-present	Participant: Kelp Forests and Global Climate Change (National Center for Ecological Analysis and Synthesis working group)
2012	Scientific Advisor: MPA Monitoring Enterprise. Ecosystem Condition Assessment: From Data to Decisions (National Center for Ecological Analysis and Synthesis)
2011-present	Council Member: World Wildlife Fund's Pacific Advisory Council



2011	Participant: National Science Foundation workshop on Natural History in Research and Environmental Management (Leads: Drs. Tewksbury, Rowell, Fleischner)
2011	Scientific Advisor: Canadian Marine Protected Area Scientific Design Guidelines, Canadian Parks and Wilderness Committee
2010	Scientific Advisor and Steering Committee Member: Ecosystem-Based Management in Gwaii Haanas National Marine Conservation Area
2010	Co-Symposium organizer: Tackling the Future's Most Pressing Conservation Challenges in a Changing World. Society for Conservation Biology Annual Meeting, Edmonton, Alberta In collaboration with Drs. Mike Dombeck and Holly Gibbs
2009-present	Member: Haida Gwaii Marine Stewardship Group
2009	Review Panel Member: California's North Central Coast Marine Reserve Baseline Monitoring Research Program
2007-10	Director: Board of Directors, Society for Conservation Biology, Marine Section
2008-09	Science Advisor: Scientific Working Group North Central Coast Marine Reserve Baseline Monitoring Program
2008-09	Co-Symposium organizer: Bridging the gap between fisheries and marine conservation to advance ecosystem-based management. International Marine Conservation Congress. In collaboration with Drs. Olaf Jensen, Vera Agostini, Sarah Gaichas and Norm Sloan
2008-09	Co-Symposium organizer: Marine Ecological Theory in Practice: Informing Marine Conservation Strategies in the 21 <sup>st</sup> Century, International Temperate Reefs Symposium. Adelaide, Australia. In collaboration with Dr. Karina Nielsen
2008-09	Program Committee Co-Chair: Ecosystem-Based Management Theme, International Marine Conservation Congress, Washington, DC
2007	Scientific Advisory Board for California Fish and Game Commission 5 year review of the Channel Islands National Marine Sanctuary Marine reserves
2007	Co-Symposium organizer: Ecosystem Consequences of Fishing. Society for Conservation Biology, Port Elizabeth, South Africa In collaboration with Dr. Steve Gaines
2004-05	Chair: Alaska Department of Fish and Game Conservation Strategy, Marine Invertebrate Working Group
2004	Participant: Gulf of Alaska Monitoring and Research Program Nearshore Working Group
2003	Participant: Marine Ecosystem Health, Northwest Straits Marine Science Working Group
2000-06	University of Washington's Women in Science and Engineering Program



1999 Member: Society for Canadian Women in Science and Technology

### Journal Reviews

Ecology, Ecological Applications, Limnology and Oceanography, Frontiers in Ecology and the Environment, Marine Ecology Progress Series, Ecological Informatics, Conservation Biology, Marine Biology, Aquatic Conservation, Aquatic Living Resources, Phycologia, Journal of Oceanography, Journal of Nature Conservation, Museum of Natural History Center for Biodiversity and Conservation, Theoretical Ecology, Conservation Letters, Hydrobiologia, Ecology and Society, Science, PLOS One, PNAS

### Grant Reviews

NSERC, National Science Foundation, Gulf of Alaska Ecosystem Monitoring and Research Program, National Sea Grant, National Oceanic and Atmospheric Association CAMEO, California Sea Grant, Alaska Sea Grant, Washington Sea Grant

### GRADUATE STUDENT SUPERVISION

#### Legend:

Natural Sciences and Engineering Research Council of Canada Post Graduate Scholarship Masters (NSERC PGS M) and Doctoral (NSERC PGS D), Masters of Resource Management (MRM), Masters of Science (MSc)

### Graduated Students

Student (Scholarship)	Degree	Completion Date	Thesis Title (Status of Associated Research Publications) Current Position
1. Josh Silberg (NSERC PGS M)	MRM	April 2015	Indirect effects of sea otter ( <i>Enhydra lutris</i> ) range expansion on reef fish on British Columbia's Central Coast  <b>Science Communications &amp; Outreach, Hakai Institute</b>
2. Leah Honka (NSERC PGS M)	MRM	Dec 2014	Quantifying sea otter ( <i>Enhydra lutris</i> ) foraging dynamics on British Columbia's Central Coast  <b>Researcher, Pacific Salmon Foundation</b>
3. Rowan Trebilco co-advised with N. Dulvy (NSERC Vanier)	PhD	July 2014	Size-based insight into the structure and function of reef fish communities  <i>3 Peer-Reviewed Journal Publications</i>  <b>Ecological Statistician, Antarctic Climate &amp; Ecosystems Cooperative Research Center, Hobart, Tasmania</b>
4. Kyle Empringham	MRM	Sept 2013	Marine conservation in nonprofits: an analysis of advocacy and outreach campaigns  <b>Public Engagement Specialist for BC and Western Canada,</b>

**David Suzuki Foundation**

5. Christine Gruman (NSERC PGS M) MRM April 2013 Context-dependence of a cross-system trophic cascade in Gwaii Haanas, British Columbia

**Manager of Natural Resources, Huu-ay-aht First Nations**

6. Amy Groesbeck MRM April 2013 Ancient clam gardens increased production: adaptive strategies from the past can inform food security today

*1 Peer-Reviewed Journal Publication*

**Biologist, Natural Resource Department, Tulalip Tribe**

7. Brittany Keeling (NSERC PGS M) MRM April 2013 Quantifying the Magnitude and Mechanisms Driving Herring (*Clupea pallasii*) Egg Loss on the Central Coast of British Columbia, Canada

*1 Peer-Reviewed Journal Publication*

**Fisheries Biologist, Alberta Conservation Association**

8. Erica Olson MRM Dec 2011 Large-Scale Movement Patterns of Male Loggerhead Sea Turtles (*Caretta caretta*) in Shark Bay, Australia

*1 Peer-Reviewed Journal Publication*

**Systems Ecologist, ESSA Technologies**

9. Mary von der Porten (NSERC PGS M) MRM Aug 2010 Mitigating human-black bear conflicts by understanding spatial patterns and associated site characteristics

*1 Peer-Reviewed Journal Publication*

**Veterinarian School, University of Saskatchewan**

*Current Graduate Students*

Student (Scholarship)	Degree	Start Date	Thesis Title
1. Skye Augustine (SFU First Nations Graduate Fellowship)	PhD	Sept 2016	Integrating multiple knowledge systems to revive Coast Salish clam gardens; Fostering social-ecological resilience and reconciliation in Canada
2. Erin Slade (NSERC PGS M)	MRM	Sept 2016	Estimating historic baselines in sea otter prevalence using archaeological and contemporary California mussels



3.	Hannah Kobluk	MRM	Sept 2016	Balancing conservation, food security & poverty alleviation: Evaluating small-scale artisanal harvest of Yagia ( <i>Egregia Menziesii</i> )
4.	Carolyn Prentice (Hakai Fellowship)	MRM	Sept 2015	Quantifying variation in blue carbon stores in eelgrass meadows
5.	Natasha Salter (NSERC PGS M)	MRM	Sept 2015	Clam gardens and secondary productivity
6.	Markus Thompson	MRM	Sept 2015	Herring spatial dynamics and management
7.	Gabrielle Pang (transfer from Andy Cooper)	MRM	Sept 2014	Predator impacts on isotopic niche widths
8.	Jenn Burt (NSERC PGS D)	PhD	Jan 2013	Mechanisms driving high latitude kelp forest dynamics from local to regional scales
9.	Lynn Lee (NSERC PGS D)	MRM transfer to PhD	Sept 2009 Sept 2010	Kelp forests, sea otters and people: A social-ecological approach to northern abalone conservation

### Postdoctoral Fellows

Student (Fellowship)	Funding	Start Date End Date	Status: Active/Completed Current Position
1. Dr. Dan Okamoto (NSERC Strategic Grant Post Doctoral Fellow)	NSERC SPG	Nov 2014 December 2016	Completed <b>Postdoctoral Fellow University of Florida</b>
2. Dr. Kira Krumhansl (NSERC PDF / Hakai Post Doctoral Fellow)	NSERC Tula Foundation	April 2014 March 2016	Completed <b>Postdoctoral Fellow Dalhousie University</b>
3. Dr. Marco Hatch co-advised with Dr. D. Lepofsky (NSF Fellow)	NSF	Jan 2014 march 2016	Completed Assistant Professor, <b>Western Washington University</b>
4. Dr. Kyle Demes (Hakai Post Doctoral Fellow)	Tula Foundation	May 2013	Completed <b>Research Coordinator Hakai Institute</b>
5. Dr. Margot Hessing-Lewis (Hakai Post Doctoral Fellow)	Tula Foundation	Jan 2012	Completed <b>Research Faculty</b>

*Undergraduate Students*

Student	Date	Current Position
1. Tanya Prinzing, NSERC USRA	May-Aug 2016	Undergraduate
2. Daniel Tan, NSERC USRA	May-Aug 2015	Consulting
3. Christine Stevenson, NSERC USRA	May-Aug 2014	Masters Student UBC
4. Gabby Pang, VPR USRA	May-Aug 2014	Masters Student Simon Fraser University
5. Angie Coultier, (full-time) Lab Assistant	June-Aug 2014	N/A
6. Angeleen Olson, (full-time) Lab Manager	May-Aug 2014	Masters Student University of Victoria
7. Christine Stevenson, Undergrad Directed Studies	Jan –April 2014	Lab Manager Simon Fraser University
8. Nicole Stamnes, Undergrad Directed Studies	Jan –April 2014	Masters Student University of Waterloo
9. Angie Coultier, Work Study Student	Sept 2013-May 2014	N/A
10. Angeleen Olson, NSERC USRA	May - Aug 2013	Masters Student University of Victoria
11. Angeleen Olson, Undergraduate Honours Thesis Student	Sept 2012-May 2013	Masters Student University of Victoria
12. Christina McKenzie, NSERC USRA	May-Sept 2012	Veterinarian School, University of Saskatchewan
13. Angeleen Olson, NSERC USRA	May-Sept 2012	Masters Student University of Victoria
14. Brooke Davis, (full-time) Lab and Field Assistant	Sept –Dec 2011	Masters Student University of Washington DFO
15. Melissa Heft, Undergrad Directed Studies	Sept - Dec 2011	N/A
16. Brooke Davis, NSERC USRA	May - Sept 2010	Masters Student University of Washington DFO
17. Matt Drake, NSERC USRA	May - Sept 2010	N/A

*Graduate Student Committees*

Student	Degree Enrolled For
1. Gerald Sign (Harley & Chan, UBC)	MSc (completed Dec 2010)
2. Stephan Dick (Shurin, UBC)	MSc (completed Nov 2013)





3. Brock Ramshaw (Pakhomov, UBC)	MSc (completed May 2012)
4. Anna Gerrard (Rutherford, REM)	MRM (completed July 2014)
5. Jennifer Arblaster (Gobas, REM)	MRM (completed Jan 2012)
6. Brent Loken (Lertzman, REM)	PhD (completed Jan 2016)
7. Jeanette Bruce (Reynolds, Bio)	MSc
8. Corey Phillips (Moore, Bio)	PhD (completed Sept 2014)
9. Holly Nesbit (Moore, REM)	MRM (completed Feb 2014)
10. Christie McMillan (Cooper, REM)	MRM (completed May 2014)
11. Eric Angle (Pinkerton, SFU)	PhD
12. Lindsay Aylesworth (Vincent, UBC)	PhD (completed July 2016)
13. Misha Puckett (Lepofsky, SFU)	MA
14. Luke Rogers (Krkosek, UofT)	PhD
15. Neil Ladell (Pinkerton, SFU)	PhD
16. Will Atlas (Moore, SFU)	PhD
17. Barbara Wilson (Zandvliet, SFU)	MEd
18. Charlotte Whitney (Ban, UVic)	PhD
19. Edward Tao Ya Gui (Knowler, SFU)	MRM
20. Erin Rechsteiner (Darimont, UVic)	PhD

#### *External Thesis Examinations*

<b>Student (Advisor, Institution, Department)</b>	<b>Defense Date</b>	<b>Degree Granted</b>
1. Nicole Gerbrant (Routledge, SFU, Stats)	Nov 2013	MSc
2. Kelly Squires (Lertzman, SFU, REM)	Feb 2013	PhD
3. Emily Darling (Côté, SFU, Biology)	Nov 2012	PhD
4. Martin Marzloff (Johnson, University of Tasmania)	May 2012	PhD
5. Ryan Cloutier (Côté, SFU, Biology)	Dec 2011	MSc



6. Michael Silvergieter  
(Ydenberg & Lank, SFU, Biology)

April 2009

MSc

### External PhD Candidacy Examinations

Student	Defense Date	Degree
1. Maria Spiliotopoulou (Mark Roseland, SFU, REM)	April 2016	PhD
2. Jesus Pulido Castanon (Knowler, SFU, REM)	Dec 2015	PhD
3. Crystal McRae (Côté, SFU, Biology)	Dec 2015	PhD
4. Brett Howard (Côté, SFU, Biology)	April 2014	PhD
5. Ryan Trenholm (Haider, SFU, REM)	June 2012	PhD
6. Jenny Linton (Reynolds, SFU, Biology)	Feb 2012	PhD
7. Sabine Jessen (Gill, SFU, Geography)	Sept 2011	PhD
8. Brett Favaro (Côté, SFU, Biology)	April 2011	PhD
9. Holly Middleton (Ydenberg, SFU, Biology)	Sept 2010	PhD

### PhD Candidacy Examination Chair

Student	Defense Date	Degree
Joe Bailey (Kohfeld, SFU, REM)	Nov 2012	PhD

### INVITED ACADEMIC TALKS

1. **Salomon, A.K.** 2016. Quantifying resilience of a social-ecological system to guide transformation in fisheries governance. International Marine Conservation Congress. Symposium: Making knowledge matter: Incorporating traditional and local knowledge into marine assessments and management. St. John Newfoundland, Canada. (Invited by Drs. Tessa Francis & Phil Levin)
2. **Salomon, A.K.** 2016. Coastal Voices: Navigation regime shifts & environmental justice along the Northern eastern Pacific. International Marine Conservation Congress. Symposium: Solving marine conservation problems using all available tools. St. John Newfoundland, Canada. (Invited by Drs. A. Alexander & N. Bennett)
3. **Salomon, A.K.** 2016. Tipping points and adaptation in coupled human-ocean systems. Scripps Institution of Oceanography. La Jolla, California, USA. (Invited by: Dr. Stuart Sandin)



4. **Salomon, A.K.** 2016. Achieving resilient coastal oceans and communities: Insights from Canada's Pacific Coast. Scripps Institution of Oceanography. La Jolla, California, USA. (Invited by: Dr. Stuart Sandin)
5. **Salomon, A.K.** 2016. Tipping points and transformations in coupled human-ocean systems. University of Washington. Seattle, Washington, USA. (Invited by: IGERT Student Invited Speaker)
6. **Salomon, A.K.** 2016. Tipping points in coupled human-ocean systems. University of Northern British Columbia. Prince George, Canada. (Invited by: Wildlife Graduate Students Invited Speaker)
7. **Salomon, A.K.** 2016. Tipping Points, Adaptation and Transformation in Coupled Human-Ocean Systems. Romberg Tiburon Center, San Francisco State University. Tiburon, USA. (Invited by: Director Dr. Karina Nielsen)
8. **Salomon, A.K.** 2015. Applications of traditional knowledge to fisheries management on Canada's west coast. Pew Fellows Annual Meeting. Fishers Knowledge Symposium. Puerto Rico. USA. (Invited by: Dorothy Childers)
9. **Salomon, A.K.** 2014. Engaging communities in research and teaching: Building resilience in coupled human-ocean systems. Canadian College and University Environmental Network Conference. (Invited by: Dr. Rick Rutledge)
10. **Salomon, A.K.** 2014. What factors confer resilience to coupled human-ocean ecosystems? Rutgers University Seminar Series. (Invited by: Dr. Olaf Jensen)
11. **Salomon, A.K.** 2013. Cascading effects of predator recovery on coupled human-ocean ecosystems. 2013 Pew Fellows Annual Meeting. Malahide, Ireland. (Invited by: Organizing Committee)
12. **Salomon, A.K.** 2013. Stolen, borrowed, or innovated; Paradigms and their evolution in marine conservation science. Western Society of Naturalists, Presidential Symposium, Oxnard, California, USA (Invited by: Dr. Michael Graham)
13. **Salomon, A.K.** 2013. Resilience in social-ecological systems. Scripps Institution for Oceanography. Seminar Series. La Jolla, California, USA. (Invited by: Organizing Committee)
14. **Salomon, A.K.** 2012. Merging data and theory in kelp forest ecosystems: Illuminating nature's dynamic. Western Society of Naturalists. Student Invited Symposium. Monterey, California, USA. (Invited by: Organizing Committee)
15. **Salomon, A.K.** 2012. Design principles for a social-ecological movement of sustainability; Lessons from nature and deep time. Peter Wall Institute for Advanced Studies. Ecosystems: Services, stewardship, and sustainability. UBC. (Invited by: Drs. Terrie Satterfield and Kai Chan, UBC)
16. **Salomon, A.K.** and N. Tanape Sr. 2012. Human-ocean ecosystems; Balancing the needs of people and nature. Homer Marine Science Meeting. Plenary Address. Homer, Alaska, USA. (Invited by: Organizing Committee)
17. **Salomon, A.K.** 2012. Discussant. Six things everyone cares about: Connecting ecosystems and human well-being. American Association for the Advancement of Science. Vancouver, BC, Canada. (Invited by: Dr. Mary Ruckelshaus, Natural Capital Project, Stanford)



18. **Salomon, A.K.** 2012. Discussant. A science communications clinic: Good science, good communication: Talking to the Media and the public. American Association for the Advancement of Science. Vancouver, BC, Canada. (Invited by: Nancy Baron, COMPASS)
19. **Salomon, A.K.** 2012. Human alteration of coastal food webs; Navigating towards social and ecological resilience. University of Victoria, Environmental Studies, Seminar Series. Victoria, BC, Canada. (Invited by: Dr. Brian Starzomski)
20. **Salomon, A.K.** 2012. Functional redundancy in predator diversity enhances the resilience of kelp forests to trophic cascades. Resilience Alliance. Montpellier, France. (Invited by: Meeting Planning Committee)
21. **Salomon, A.K.** 2011. Democratizing conservation science through engagement with indigenous communities. Fuller Symposium; Science for Nature. Washington, DC. (Invited by: Carter Roberts, Director, WWF)
22. **Salomon, A.K.** with N. Sloan and P. Pearson. 2011. Gwaii Haanas: Supporting resilient ecosystems, cultures and partnerships. International Marine Conservation Congress Plenary Address. Victoria, BC. (Invited by: Congress Planning Committee)
23. **Salomon, A.K.** 2011. Science, policy and politics; How to lose your political virginity and maintain your scientific credibility. Pacific Ecology and Evolution Conference, Bamfield Marine Science Station (Invited by: Student Organizing Committee)
24. **Salomon, A.K.** 2011. UBC Green College Colloquium: Braiding Traditional Ecological Knowledge and Western Science to Inform Conservation and Management. (Invited by: Dr. Tom Sisk)
25. **Salomon, A.K.** 2010. Human alteration of kelp forest ecosystems; Navigating towards social-ecological resilience. Faculty of Environment Seminar Series. Simon Fraser University. (Invited by: Dr. John Pierce, Dean)
26. **Salomon, A.K.,** N. Tanape, H. Huntington. 2010. Weaving Traditional knowledge, historical records and quantitative ecology to illuminate the causes of shellfish declines in Alaska. Ethnobiology Annual Meeting Victoria, BC (Invited by: Dr. Dana Lepofsky)
27. **Salomon, A.K.** 2010. Cascading effects of predator depletion can alter key ecological processes and the resilience of a kelp forest ecosystem. John & Mary Louise Riley Seminar Series. Bodega Bay Marine Station, University of California, Davis. (Invited by: Seminar Committee)
28. **Salomon, A.K.** and K Rowel. 2009. Training poetic ecologists; why natural history is critical to advancing contemporary ecology and conservation. Special Symposium Natural history: The basis for ecological understanding and a global sustainable society. Ecological Society of America Symposium. Albuquerque, New Mexico. (Invited by: Dr. Josh Tewksbury)
29. **Salomon, A.K.** 2009. Human alteration of coastal food webs: Navigating towards social-ecological resilience. Ecology Evolution Departmental Seminar, University of British Columbia. (Invited by: Drs. Kai Chan and Chris Harley)
30. **Salomon, A.K.** 2009. Human alteration of coastal food webs: Navigating towards social-ecological resilience. Ecology Evolution and Marine Biology Departmental Seminar, University of California Santa Barbara. (Invited by: Seminar Committee)



31. **Salomon, A.K.** 2009. Quantifying resilience and species interactions in Southern Californian kelp forests: Ecological theory meets conservation in practice. UC Berkley Gump Field Station Seminar Series, Moorea, French Polynesia. (Invited by Dr. Hannah Stewart)
32. **Salomon, A.K.** 2009. Quantifying resilience and species interactions in Southern Californian kelp forests: Ecological theory meets conservation in practice. Symposium: Marine Ecological Theory In Practice: Informing Marine Conservation Strategies in the 21<sup>st</sup> Century. International Temperate Reefs Symposium. Adelaide, Australia.
33. **Salomon, A.K.** 2008 Using isotopes to infer trophic relationships in kelp forest food webs: Perks Pitfalls and solutions. Student Invited Symposium: Ecological perspectives through stable isotope analysis. Western Society of Naturalists, Vancouver, BC. (Invited by: Student Organizing Committee)
34. **Salomon, A.K.,** Shears, N. Katz, S. Kushner, D. 2008. Has fishing altered community stability and species interaction strengths in Southern Californian Kelp forests? Symposium: Connecting ecological and socioeconomic monitoring to management for marine protected areas in California's Channel Islands. Society for Conservation Biology, Tennessee. (Invited by Dr. Satie Arime)
35. **Salomon, A.K.,** N. Shears, S. Gaines. 2007. Disassembling Poseidon; Cascading effects of reducing consumer populations in the sea. Symposium: Cascading Consequences of Fishing. Society for Conservation Biology, South Africa.
36. **Salomon, A.K.** 2006. Synergistic serial depletion leads to the decline of a keystone grazer and the alteration of a coastal ecosystem. Symposium: The experimental ecology-macroalgae connection. Phycological Society of America, Juneau, Alaska. (Invited by: Dr. Robert Paine)
37. **Salomon, A.K.** 2006. Top-Down control leads to the alteration of a coastal ecosystem in Alaska. National Center for Ecological Advancement and Synthesis, Santa Barbara, California. (Invited by Dr. Stephanie Hampton)
38. **Salomon, A.K.** 2006. Synergistic serial depletion leads the decline of a keystone grazer and the alteration of a coastal ecosystem. Moss Landing Marine Laboratory, Moss landing, California. (Invited by: Dr. Ellen Hines)
39. **Salomon, A.K.** 2006. Top-Down Control of a keystone grazer leads to the alteration of a coastal ecosystem in Alaska. Sonoma State Colloquium Series, Santa Rosa, California. (Invited by: Dr. Karina Nielsen)
40. **Salomon, A.K.,** N. Tanpe Sr., H.P. Huntington, J.L. Ruesink. 2006. Ecological Detectives; traditional knowledge, anthropology and western science uncover the causes of shellfish declines in Port Graham Bay, Alaska. Marine Science in Kachemak Bay, Homer, Alaska.
41. **Salomon, A.K.,** D. Glahn, M. McMullen, L. Villarreal, J.L. Ruesink. 2006. Natural and human predators alter the community structure, dynamics and diversity of the Kenai Peninsula's rocky intertidal. Marine Science in Kachemak Bay, Homer, Alaska.

#### INVITED GOVERNMENT AND NONGOVERNMENTAL TALKS



1. **Salomon, A.K.** and R. Hilborn 2015. Food security & biodiversity: Can marine protected areas deliver both? In: Seeking Convergence: MPA and Fisheries Science Forum, Vancouver, BC, Canada. (Invited by S. Jessen CPAWS and J. McIssac Fishers Caucus)
2. **Salomon, A.K.** 2013. Coupled human-ocean ecosystems: Navigating towards ecological and social resilience. National Marine Fisheries Service. Seattle, Washington, USA. (Invited by: Dr. Eric Buhle)
3. **Salomon, A.K.** and Kii'iljus (Barb Wilson). 2013. Visioning sea otter and kelp forest research collaborations with First Nations and US Tribes. Nuu-chah-ulth Council of Ha'wiih Forum on Fisheries. Gold River, BC. (Invited by: Nuu-chah-nulth Fisheries Committee)
4. **Salomon, A.K.** and Kii'iljus (Barb Wilson). 2013. Visioning sea otter and kelp forest research collaborations. Old Masset, BC. (Invited by: Haida Hereditary Chiefs Council)
5. **Salomon, A.K.** 2010. Ecosystem approaches to conservation and management; Rules of thumb for Gwaii Haanas NMCAR. Ecosystem-Based Management Workshop. Skidegate, BC. Parks Canada. (Invited by: Gwaii Haanas Archipelago Management Board)
6. **Salomon, A.K.**, N. Sloan, L. Lee 2009. Assessing the ecosystem effects of marine zoning in Gwaii Haanas, British Columbia. (Invited by: Fisheries Committee, Council for the Haida Nation).
7. **Salomon, A.K.**, Shears, N. Katz, S. Kushner, D. 2008. How do marine reserves alter kelp forest ecosystem function? California Department of Fish and Game Commission: Five Year Review of the Channel Islands Marine Reserves. Oxnard, California. (Invited by: National Oceanic and Atmospheric Association)

#### INVITED PUBLIC LECTURES

1. **Salomon, A.K.** 2016. Adapting to Surprise in Our Coastal Ocean: Lessons from ecology, Archaeology & Indigenous Knowledge. The Barbara and Richard Rosenberg Institute for Marine Biology and Environmental Science Public Forum. Romberg Tiburon Center, San Francisco State University. Tiburon, USA. (Invited by: Director Dr. Karina Nielsen)
2. Burt, J., K. Krumhansl, M. Hatch, D. Okamoto, M. Thompson, E. Rechsteiner, S. Harper, **Salomon, A.K.** 2016. Knowledge Sharing: Herring, clam gardens and kelp forests on BC's central coast. Bella Bella, BC, Canada. (Invited by: Harvey Humchitt & Kelly Brown)
3. **Salomon, A.K.** What will the BC coast look like in twenty years? June 16 2015. Marine Area Partnership Screening of 'The Great Bear Sea: Reflecting on the past planning for the future'. Panel Discussion. Vancouver Aquarium, Vancouver, BC (Invited by: Director Karen Anspacher)
4. **Salomon, A.K.**, L. Honka, L. Nichol and L. Dill. 2014. Sea otter foraging behavior on BC's Central Coast. Public forum on taking care of abalone. Haida Heritage Centre at Kay Llnagaay, Skidegate, BC. (Invited by: Organizing Committee)
5. **Salomon, A.K.** and Kii'iljus (Barb Wilson). 2014. Coastal leaders visioning the future of kelp forest systems. Public forum on taking care of abalone. Haida Heritage Centre at Kay Llnagaay, Skidegate, BC. (Invited by: Organizing Committee)



6. **Salomon, A.K.** 2012. Coupled human-ocean ecosystems; balancing the needs of people and nature. Presidential Lecture. SFU Harbour Center. Vancouver, BC. (Invited by: SFU President Andrew Petter)
7. Paine, R.T., **A.K. Salomon**. 2012. Understanding nature's dynamic; Why food webs and sea otters matter. Haida Heritage Centre at Kay Llnagaay, Skidegate, BC. (Invited by: Dr. Norm Sloan and Mr. Dave Argument)
8. **Salomon, A.K.**, L. Lee. 2010. Liquid jungles; Taking the pulse of kelp forest ecosystems in Gwaii Haanas. Haida Heritage Centre at Kay Llnagaay, Skidegate, BC. (Invited by: Gwaii Haanas)
9. **Salomon, A.K.** 2009. World beneath the waves. From Earth to Ocean-Stories of Gwaii Haanas Parks Canada Speaker Series. Vancouver Aquarium. Vancouver, BC. (Invited by: Nick Irving, Parks Canada)
10. **Salomon, A.K.** 2009. New approaches to understanding kelp forest ecosystem health. Sea to Shore Public Lecture Series. Santa Barbara and Ventura, California. (Invited by: Steve Katz, National Oceanic and Atmospheric Association)
11. **Salomon, A.K. and Nick Tanape Sr.** 2008. Combining traditional knowledge and western science to inform marine resource management in South Central Alaska. Skidegate (2), Old Masset, Prince Rupert (2), and Vancouver BC.
12. **Salomon, A.K.** 2005. Ecological Detectives; Uncovering the causes and consequences of shellfish declines on the tip of the Kenai Peninsula. Sitka WhaleFest, Sitka, Alaska.
13. **Salomon, A.K.**, L. Villarreal. 2004. Bidarkis, lawnmowers of the seashore. National Estuarine Research Reserve Public Seminar Series, Islands and Oceans Visitor Center, Homer, Alaska.
14. **Salomon, A.K.**, N. Tanape, Sr. 2003. The bidarki project; Investigating the relative roles of natural factors and shoreline harvest in altering the community structure and dynamics of the Kenai Peninsula's rocky intertidal. Wisdom Keepers Meeting, Port Graham, Alaska.
15. **Salomon, A.K.** 2002. Marine conservation planning; Marine reserve design principles demystified. Northwest Straits Commission, Marine Resources Training Workshop, Port Ludlow, Washington.
16. **Salomon, A.K.** and J.L. Ruesink. 2001. Marine reserve design. Northwest Straits Commission, Marine Resources Committee Training Workshop, Anacortes, Washington.

## TEACHING RECORD

Semester	Course Number	Course Title
2016-Spring	REM 660	Resilience of Social-ecological systems Graduate Seminar
2015-Fall	REM 611	Applied Population and Community Ecology
2015-Summer	REM 660	Resilience of Social Ecological Systems Field Course Hakai
2013-Fall	REM 611	Applied Population and Community Ecology
2013-Summer	REM 660	Resilience of Social Ecological Systems Field Course Hakai





2012-Fall	REM 611	Applied Population and Community Ecology
2012-Summer	REM 660	Resilience of Social Ecological Systems Field Course Hakai
2011-Fall	REM 611	Applied Population and Community Ecology
2010-Fall	REM 660	Resilience Theory in Practice
2010-Fall	REM 611	Applied Population and Community Ecology
2010-Spring	REM 311	Applied Ecology and Sustainable Environments
2009-Fall	REM 611	Applied Population and Community Ecology

## ADMINISTRATIVE AND COMMITTEE RESPONSIBILITIES AT SFU

### *Departmental Committees*

1. Aboriginal Environmental Management and Governance Faculty Search Committee, Member: spring 2016
2. NSERC Graduate Student Scholarship Committee, Chair: fall 2015
3. Innovation in Teaching Task Force, Chair: 2014
4. Seminar Series Committee, Chair: 2010-11, 2011-12, 2012-13, 2013-14, 2015-2016
5. NSERC Graduate Student Scholarship Committee, Chair: 2013-14
6. External Chair Advisory Committee, Member: 2012-13
7. Canada Research Chair in Fisheries Science Search Committee, Member: 2011-12
8. Ecology Search Committee, Member: 2010-11
9. Undergraduate Committee, Member: 2009, 2010-2011
10. Graduate Studies Committee, Member: 2009-10  
Acting Chair: Dec1 2009 – Jan 4 2010; Feb 15 -26 2010
11. Tenure and Promotion Committee, Member: 2009 – 10, 2010-11, 2012-13, May 2014, Sept 2015-May 2016
12. Aboriginal Resource Management and Governance Search Committee, Member 2016

### *Faculty Committees*

1. Dean of Graduate Studies Awards Committee, Member: spring 2015
2. Hakai Network for Coastal People, Ecosystems and Management, Steering Committee Member: 2010-2014  
Acting Director: Sept-Dec 2011
3. Faculty of the Environment Programming Committee, Back-up Member: April 2009

## PROFESSIONAL SOCIETIES

Resilience Alliance, Society for Conservation Biology, Ecological Society of America, Western Society of Naturalists

## PROFESSIONAL TRAINING



2010	Wilburforce Foundation Media Training
2007	Multivariate Autoregressive modeling workshop National Center for Ecological Analysis and Synthesis
2007	CLIOTOP Climate Impacts on Ocean Top Predators, The Challenge of Change: Managing for Sustainability of Oceanic Top Predator Species, Marine Science Institute, UCSB
2007	Bayesian Modeling Workshop, National Center for Ecological Analysis and Synthesis
2007	Sustainable Fisheries & Designated Access Privileges, National Center for Ecological Analysis and Synthesis working group
2007	Hierarchical Bayesian Modeling Workshop, Marine Science Institute, UCSB, Dr. Jim Clark, Duke University
2006	Ecoinformatics Workshop, Albuquerque, New Mexico SEEK Program

## CERTIFICATIONS

2010	Canadian Association of Underwater Sciences science diver
2002	American Academy of Underwater Sciences science diver
1997, 2002	PADI Open water SCUBA Diving certification, NITROX Certification
1991-present	VHF radio certification, First aid and CPR certification

## MEDIA

1. CKNW Radio Dec 26 2015. Sea otter recovery.
2. CBC Television. Sept 6, 2014. Reaching Blue: Finding Hope Beneath the Surface. By film maker Ian Hinkle
3. The Globe and Mail. July 19, 2014. The remarkable comeback of sea otters to the BC coast. By Mark Hume
4. The Globe and Mail. June 17, 2014. Scientists, native leaders invoke Exxon Valdez spill in response to Gateway. By Mark Hume
5. CBC Quirks and Quarks. April 5, 2014. Aboriginal gardens make happy clams. By Bob McDonald and Jim Lebars
6. Nature Magazine. April 2, 2014. Natural decline; is the naturalist a species in crisis? 508:7-8
7. The Vancouver Sun. March 19, 2014. BC clams reveal and ancient secret. By Randy Shore
8. The Globe and Mail. Jan 8, 2014. Blinded sea otter recovers at aquarium. By Mark Hume
9. Ocean Conservancy Web Site. March 2014. Honoring the women who fight for our oceans.
10. Georgia Straight. Oct 30, 2013. Marine ecologist Anne Salomon dives into Coastal Change. By Gail Johnson
11. Georgia Straight. Oct 7, 2013. Prize-winning SFU ecologist Anne Salomon enjoys Olympic moment. By Charlie Smith
12. Times Colonist. March 19, 2013. Advocates call for moratorium on BC herring fishery in wake of declining stocks. By Judith Lavoie
13. BC Magazine. Fall 2012. Tending the seascape. By Jude Isabella
14. The Globe and Mail. July 9, 2012. Parks Canada eyes eradication in war on rats. By Mark Hume
15. New Scientist. March 23, 2012. Prehistoric fisheries offer clues to sustainable catch. By Jude Isabella
16. Juneau Empire. Feb 26, 2012. Alaska Sea Grant book wins Alaska Library Association's Alaskana Award
17. Simon Fraser University News. Feb 2, 2012. SFU scientists to address AAAS meeting
18. Archaeology Magazine. Sept 2011. The Edible Seascape. Vol 64(5) by Jude Isabella
19. Homer Tribune. Aug 10, 2011. Tanape co-authors book on climate change. By Naomi Klouda
20. Simon Fraser University News. July 21, 2011. Under the Sea, In a Clam's Garden.
21. Times Colonist. May 17, 2011. Report Asks Ottawa to Protect Oceans. By Judith Lavoie
22. Fish Lines. May 2011. Vol. 31, No. 5. Changing Sea Book Launch in Nanwalek. By Sue Keller
23. BC Ministry of Science and Universities Web Site. Year of Science. May 2011. Little Fish Big Importance.



24. Nature Magazine. 2011. Rhythm and Reason. 469: 33. By Nicola Jones
25. Vancouver Observer. Feb 6, 2009. Abandoning Abandon: Dancing Science. By Lee Gass
26. SFU Media Matters. 2009 1211. Copenhagen Conference on Climate Change.
27. National Park Service. Feb 27, 2009. New Approaches to Understanding Kelp Forest Ecosystem Health.
28. Queen Charlotte Observer. Feb 18, 2008. Science Traditional Knowledge.