

JOANNA L. SMITH, PH.D., RPBIO

PO Box 535 · Smithers, BC, Canada · V0J 2N0 | joanna_smith@tnc.org

POSITIONS

2014 - present TNC Canada, Global Oceans Team
2014 - present Simon Fraser University, Adjunct Professor
2011 - 2014 Birdsmith Ecological Research, Principal & Senior Scientist
2008 - 2011 The Nature Conservancy, Marine Ecologist & Science Supervisor
1995 - 2008 Birdsmith Ecological Research, Principal & Biologist

EDUCATION

2008 Ph.D. in Fisheries, School of Aquatic and Fishery Sciences, Univ of Washington, Seattle, WA
1998 Diploma, Traditional Wooden Boat Building, Port Townsend, WA, USA
1995 M.Sc. in Biology, Univ of Victoria, BC
1991 B.Sc. in Biology and Environmental Studies, Univ of Victoria, BC

EXPERIENCE

Adjunct Professor. SIMON FRASER UNIVERSITY, Resource Environmental Program (2014 – present). Advise graduate students. Lecture on marine sciences, conservation and planning. Collaborate with colleagues.

Marine Spatial Planning Science Manager. Global Marine Team. TNC CANADA (an affiliate of The Nature Conservancy) (2014-present). Programmatic and technical leadership and support to multi-objective marine planning initiatives globally.

Provide leadership and process management for the Global Marine Team to advance multi-objective marine planning for improved oceans management globally. Design planning processes, develop technical products and complete science-based marine plans using consultative and participatory planning processes with governments, marine stakeholders and communities. Support TNC regional programs in local, regional and national planning processes including process design, governance frameworks, stakeholder engagement strategies, science review, GIS support, communications plans, and process documentation. Collaborate with TNC staff and external colleagues to develop spatial tools and science to inform marine planning including ecosystem services (e.g., Mapping Ocean Wealth, Natural Capital InVEST), web-based planning tools (e.g., SeaSketch), coastal resilience, coral reef restoration, marine protected areas networks, fisheries, and climate change adaptation. Provide leadership to advance a robust MSP Community of Practice for TNC and the global MSP community of practitioners.

Marine Spatial Planning Science Coordinator. BIRDSMITH ECOLOGICAL RESEARCH. British Columbia, Canada (2011-2014). Scientific and technical leadership for a provincial and First Nations multi-objective planning process. CLIENT: Marine Planning Partnership for the North Pacific Coast.

Develop marine plans using science and traditional ecological knowledge. Build governmental and stakeholder support. Provide leadership to planning staff, contractors and scientists. Lead scientific and technical outputs including protected areas, zoning, indicators, climate change, habitat risk assessments, Marxan and Marine InVEST. Develop a web-based tool to support spatial plans (SeaSketch). Develop communications materials and strategies. Work with management team to manage \$8.1 million budget and timeline with funders. With Pacific North Coast Integrated Management Area Initiative (PNCIMA), 2011.

Principal and Senior Scientist. BIRDSMITH ECOLOGICAL RESEARCH. British Columbia, Canada (2011-2014). Develop partnerships with federal and provincial government agencies, First Nations, academia, and communities to advance scientific research on seabirds, protected areas and marine planning. Principal for strategic plans, funding opportunities, administration, and webmaster.

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Aquatic Sciences Supervisor. THE NATURE CONSERVANCY, Seattle, USA (2008-2011). Programmatic and scientific leadership for marine sciences and planning including technical products, strategy, grants, business plans, community engagement, and partnerships.

Advance marine spatial planning (MSP) in Washington including collaborations with North American, Global Marine Team, Treaty Tribes, University of Washington and corporate partnerships. Work with External Affairs to develop MSP legislation in WA state. Develop capacity and technical support for MSP with Treaty Tribes and Marine Resource Committees including decision-support tools. Facilitate learning of TNC's MSP projects with presentations and community meetings. Direct and supervise WAFO science staff including hiring and capacity decisions; 6-months acting Director for 14-member science team. Coordinate with conservation programs to develop and implement business plans for Puget Sound, San Juan Islands and Outer Coast. Identify funding opportunities to support marine work; grants awarded include \$500,000 NOAA (marine debris removal with the Quinault Nation) and \$150,000 with Boeing (Marine Spatial Planning in Puget Sound). Be a spokesperson for TNC's work.

Researcher. UNIVERSITY OF WASHINGTON, Seattle, WA (2002-2008)

Principal Investigator for two research projects for PhD thesis on foraging ecology and habitat use by aquatic birds. Grant writing, international field logistics, staffing, and communications. Webmaster for PhD research site, Parrish Lab site, and several undergraduate courses.

Investigate the foraging ecology of an endemic seabird in Chile (*Pterodroma externa*; IUCN red-listed) to identify foraging habitats and understand their breeding biology. Work with the local community to address threats to endemic birds on Robinson Crusoe Islands, especially introduced predators. Develop communication materials and collaborate with government agencies (CONAF). Investigate the foraging ecology of a piscivorous bird (*Mergus merganser*) on the mid-Columbia River, USA. Partner with Chelan County Public Utility District to address avian predation on endangered salmon near hydroelectric dams.

Principal. BIRDSMITH ECOLOGICAL RESEARCH. British Columbia, Canada (1995-2007)

Founder of private company to engage in ecological research, conservation and education in coastal ecosystems and local communities. Develop partnerships with governments, non-profit organisations, academia, corporations, and communities in Canada and United States. MAJOR CLIENTS:

FISHERIES AND OCEANS CANADA. Investigate seabird bycatch in western Canada's commercial gillnet and longline fisheries, 1999-2006. Science lead for all technical materials. Program manager to build federal partners, industry outreach/education, and fundraising. Develop and establish Canada's National Plan of Action (NPOA-Seabirds). Draft new regulations for Pacific longline fisheries to reduce seabird bycatch. Co-Partners: Canadian Wildlife Service, Environment Canada, and Archipelago Marine Research.

LASKEEK BAY CONSERVATION SOCIETY. Senior biologist for a remote field station on Haida Gwaii from 1997-2002. Develop research priorities, publish results and maintain long-term datasets for nesting seabirds, songbirds, plants, marine mammals and introduced species. Co-Partner: Environment Canada.

US FISH AND WILDLIFE SERVICE. Develop a 3-page colour, laminated seabird guide for commercial fisheries in Alaska to reduce seabird bycatch. Co-Partner: Environment Canada.

COSEWIC. Co-lead development of Recovery Plan with 8-member team for two seabird species (short-tailed albatross and pink-footed shearwater). Author Status Report for short-tailed albatross and co-author Status Report for the black-footed albatross. Co-Partners: Environment Canada and Procellaria Consulting.

OTHER CLIENTS. Ethnobotanical surveys for Prophet River Nation - Murphy Oil and Gas Company and Univ of Victoria; Biodiversity monitoring and long-term priority planning for coastal old-growth forests - Long Beach Model Forest Society; Marbled Murrelet inventory in old-growth forests, Haida Gwaii - Husby Forest Products Ltd.; Grizzly bear habitat restoration on south coast - Tom Johnson and Associates, BC; Coastal watershed inventories and rare ecosystem mapping in northern BC - BC Ministry of Forests and; Rare & endangered northern plant community mapping - Ministry of Environment, Lands and Parks.

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Researcher. SIMON FRASER UNIVERSITY, Vancouver, BC (1994, 2006)

Maintain long-term data series, train field staff and maintain field camp for remote research station, Anne Vallée/Triangle Island Ecological Reserve, Canada.

Researcher. UNIVERSITY OF VICTORIA, Victoria, BC (1990-1995)

Principal Investigator for a Masters thesis on the life history and parasitoid complex of an introduced insect (*Neuroterus saltatorius*). Coordinate research with property owners, develop outreach materials, and work with governments to draft policy guidance and conserve threatened Garry Oak ecosystems. Field assistant for long-term monitoring project on Mount St. Helens, WA and H.J. Andrews Experimental, OR forest to assess vegetation; in collaboration with Oregon State University.

TEACHING & OUTDOOR EDUCATION

2007	Bevan Series on Sustainable Fisheries, Univ of Washington, Assistant & Instructor
2007	Biology of Marine Birds, Bamfield Marine Sciences Centre, Assistant & Instructor
2006	Fish Ecology and Habitat Mapping, UW Friday Harbor Labs, Assistant & Instructor
2005	Introduction to Marine Biology, Univ of Washington, Teaching Assistant
2002	Temperate Rainforest Ecology, Bamfield Marine Sciences Centre
2000	Temperate Rainforest Ecology, Bamfield Marine Sciences Centre, Teaching Assistant
1995-2005	Biology of Marine Birds, Bamfield Marine Sciences Centre, Teaching Assistant
1999-2001	Seabird Identification for At-Sea Fisheries Observers, Fisheries and Oceans Canada
1999	Pacific Crest Outward Bound School, Anacortes, WA
1991	Mini-University, Univ of Victoria
1993-1991	National Evaluator and Instructor, Canadian Yachting Association
1992-1995	Introduction to Ecology, Univ of Victoria

Invited Guest Lectures

2015	Marine Fisheries and Management Tools, Northwest Community College, Smithers BC
2012	MPA gap analysis in Washington State, Puget Sound Partnership, Seattle, WA
2012	Marine protection and planning, BC Institute of Technology, BC
2010	Marine and coastal birds, Whidbey Island Naturalists, WA
2009	Northeast Pacific Ocean, The Nature Conservancy Board of Trustees, Seattle, WA
2009	Marine biodiversity and oceanography, North America Region, The Nature Conservancy, WA
2008	Foraging ecology of seabirds in Chile, WA Ornithological Society, Seattle, WA
2007	Seabirds and life history strategies. BC Institute of Technology, BC
2007	Research and conservation of an endemic seabird in Chile, Shannon Point Marine Center, WA
2007	Endemics, invasives and investigators: Juan Fernández Islands, Chile, Bamfield, BC
2006	The life and times of a Common Murre. Kapka Cooperative school, Seattle, WA
2004	Seabird bycatch in British Columbia. Scott Islands, Environment Canada, Victoria, BC
2002	Seabird bycatch - gillnet and longline fisheries. Bamfield, BC.
2000	Seaducks on the Seawall. Stanley Park Ecological Society, Vancouver, BC
2000	The Galapagos Islands to Bamfield B.C. - an 8,000 km ocean voyage. Bamfield, BC
1999	Seabirds and interactions with Fisheries. Archipelago Marine Research Victoria, BC
1998	The Ancient Murrelet: research on Haida Gwaii. Bamfield, BC
1996	Seabirds of Triangle Island and the south coast. Bulkley Valley Naturalists, Smithers, BC
1996	Birds of Prey. Bulkley Valley Beavers, Smithers, BC
1996	Aquatic insects and their habits. Bulkley Valley Naturalists, Smithers, BC
1996	Insects and the web of life. Sidney Secondary School, Sidney, BC
1994	Parasitoids of the jumping gall wasp. Garry Oak Steering Committee, Victoria, BC
1994	Post-secondary education: life after high school. Continuing Education Class, Victoria, BC
1994	Life History of the jumping gall wasp. Garry Oak Steering Committee, Victoria, BC
1994	The Jumping gall wasp: possible natural controls. Victoria Natural History Society, Victoria, BC
1993	The biology and natural controls of the jumping Gall Wasp, Victoria, BC
1993	Life History of the jumping gall wasp. Garry Oak Meadow Preservation Society, Victoria, BC

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PUBLICATIONS & REPORTS (peer-reviewed)

- Vander Schaff, D., K. Popper, D. Kelly, J. Smith and J. White. 2013. Pacific Northwest Marine Ecoregional Assessment. The Nature Conservancy. Portland, OR.
- Agostini, V, M. Anderson, C. Burns, P. Doran, J. Fargione, C. Groves, L. Hanners, J. Hoekstra, R. Marshall, S. Morrison, S. Palmer, D. Shaw, J. Smith, and J. Ward. 2011. Stepping up to the Challenge: A concept paper on whole system conservation. The Nature Conservancy, Boulder CO.
- Smith, J.L., N.R. Parker, K.H. Morgan, L.K. Blight, M.J. Chutter, P.J. Hodum, T. Mawani and D. C. Cunnington. 2007. Recovery Strategy for the Short-tailed Albatross (*Phoebastria albatrus*) and Pink-footed Shearwater (*Puffinus creatopus*) in Canada [Draft]. *Species at Risk Act Recovery Strategy Series*. Environment Canada, Ottawa. 52 pp
- Gaston, A.J., S.A. Stockton and J.L. Smith. 2006. Species-area relationships and the impact of deer-browse in the complex phytogeography of the Haida Gwaii archipelago (Queen Charlotte Islands), British Columbia. *Ecoscience*. 13(4): 511-522.
- Blight, L.K., J.L. Smith and J.M. Cooper. 2006. COSEWIC Status Report on black-footed albatross (*Phoebastria nigripes*). Committee on the Status of Endangered Wildlife in Canada. 71 pp.
- Stockton, S.A., Bobechko, L., I. Buttler and J.L. Smith. 2006. Menzies' pipsissewa *Chimaphila menziesii*: a widespread but previously overlooked species on Haida Gwaii. *Canadian Field Naturalist*.
- Smith, J.L. and N. Parker. 2006. Draft Recovery Strategy for short-tailed albatross (*Phoebastria albatrus*) and pink-footed shearwater (*Puffinus creatopus*) in Pacific Canadian waters. Vancouver: Environment Canada, 31 pp.
- Smith, J.L. and K.H. Morgan. 2005. A review of seabird bycatch in the longline and net fisheries in British Columbia, 1995-2002. Technical Report Series No. 401, Canadian Wildlife Service, Pacific and Yukon Region. 51 pp.
- Wiese, F. and J.L. Smith. 2003. Mortality estimates and population effects of Canada's Pacific longline fisheries on black-footed albatross (*Phoebastria nigripes*): national and international implications. In: DFO-CWS National Working Group [Eds.]. Status report and future directions towards the development of a National Plan of Action for the reduction of incidental catch of seabirds in domestic and foreign longline fisheries in Canadian waters. Canadian Technical Report of Fisheries and Aquatic Sciences No. 2471: 23-50.
- Smith, J.L. and K.D. Hyrenbach. 2003. Galapagos Islands to British Columbia: seabird communities along a 9,000 km transect from the tropical to the subarctic eastern Pacific Ocean. *Marine Ornithology*. 31:155-166.
- Gaston, A.J. and J.L. Smith. 2001. Changes in oceanographic conditions off northern British Columbia (1983 - 1999) and the reproduction of a marine bird, the Ancient Murrelet (*Synthliboramphus antiquus*). *Canadian Journal of Zoology*. 79:1735-1742.

BOOK CHAPTERS (peer-reviewed)

- Smith, J.L., C.P.H. Mulder and J.C. Ellis. 2011. Seabirds as Ecosystem Engineers: Nutrient Inputs and Physical Disturbance. In: *Seabird Islands: Ecology, Invasion, and Restoration* (Eds. W.B. Anderson, P.J. Bellingham, C.P. Mulder, and D.R. Towns). Oxford University Press.
- Smith, J.L. 2006. A Closer Look: Invasive Species on the Queen Charlotte Islands. In: Boersma, P. D., S. H. Reichard, and A. N. Van Buren (Eds.). *Invasive Species in the Pacific Northwest*. Seattle: University of Washington Press. Pp. xxi-xxiv.

BOOK REVIEWS

- Smith, J.L. 2016. Governing Marine Protected Areas: Resilience through diversity (Peter Jones). *Marine Ornithology*, in press.
- Smith, J.L. 2011. Ecosystem-based Management for the Oceans (K. McLeod & H. Leslie). *Marine Ornithology* 39: 282-283.

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PUBLICATIONS (in preparation)

- Smith, J.L., A. Bailey, J. White and J. Udelhoven. Assessing marine protection off the coast of Washington state: policy implications for marine protected area designations and marine spatial planning in the United States. Target journal: *Marine Policy*
- Smith, J.L., K.P. Morgan and A.E. Edwards. Demographics of black-footed albatross caught as bycatch in Canada's Pacific longline fisheries. Target journal: *Marine Ornithology*
- Parrish, J.K., F.K. Wiese, and J.L. Smith. Dams as avian predator attractors and the efficacy of predator control strategies. *Biological Conservation*. In review.
- Smith, J.L., M. Wainstein and J.K. Parrish. The influence of marine habitats on the provisioning strategy of a gadfly petrel, *Pterodroma externa* - a test of the short-long foraging trip theory. Target journal: *Journal of Applied Ecology*.
- Smith, J.L., P.J. Hodum and J.K. Parrish. Effects of tag attachment on nestling and adult Juan Fernandez petrels (*Pterodroma externa*), an endemic seabird in Chile. Target journal: *Endangered Species Research*
- Wiese, F.K., and J.L. Smith. Population-level effects of Canada's Pacific longline fisheries on Black-footed Albatross (*Phoebastria nigripes*).

ANNUAL REPORTS (peer-reviewed)

- Smith, J.L. and N. Parker. 2006. Draft Recovery Strategy for short-tailed albatross (*Phoebastria albatrus*) and pink-footed shearwater (*Puffinus creatopus*) in Pacific Canadian waters. Vancouver: Environment Canada, 31 pp.
- Smith, J.L. 2003. Breeding records of birds of prey on East Limestone Island since 1990. In: Gaston, A.J. [ed.] Laskeek Bay Research 12, Laskeek Bay Conservation Society, BC
- Smith, J.L. 2003. Rare plants on East Limestone Island: a four year update. In: Gaston, A.J. [ed.] Laskeek Bay Research 12, Laskeek Bay Conservation Society, BC
- Cameron, R. and J.L. Smith. 2003. Lichens of East Limestone Island: the first checklist. In: Gaston, A.J. [ed.] Laskeek Bay Research 12, Laskeek Bay Conservation Society, BC
- Smith, J.L. 2002. Cavity and bark nesters on East Limestone Island. In: Gaston, A.J. [ed.]. Laskeek Bay Research 11, Laskeek Bay Conservation Society, BC
- Hazlitt, S.L. and J.L. Smith. 2001. Adult Black Oystercatcher banding in Laskeek Bay: a report of a pilot project. In: Gaston, A.J. [ed.] Laskeek Bay Research 10, Laskeek Bay Conservation Society, BC
- Smith, J.L. 1999. Glaucous-winged colony counts in Laskeek Bay. In: Gaston, A.J. [ed.]. Laskeek Bay Research 9. Laskeek Bay Conservation Society, BC
- Smith, J.L. 1999 Trends in Ancient Murrelet burrow occupation on East Limestone Island, 1990-1997. In: Gaston, A.J. [ed.]. Laskeek Bay Research 8. Laskeek Bay Conservation Society, BC
- Smith, J.L. and C.D. French. 1999. At-sea observations of Ancient Murrelet families in 1998. In: Gaston, A.J. [ed.]. Laskeek Bay Research 9. Laskeek Bay Conservation Society, BC
- Smith, J.L. and I. Buttler. 1999. First record of Menzie's pipsissewa, *Chimaphilla menziesii*, on Haida Gwaii. In: Gaston, A.J. [ed.]. Laskeek Bay Research 9. Laskeek Bay Conservation Society, BC.
- Smith, J.L., C.D. French and A.J. Gaston. 1999. The effects of the 1997-98 El - Niño on Ancient Murrelets in Haida Gwaii. In: Gaston, A.J. [ed.]. Laskeek Bay Research 9. Laskeek Bay Conservation Society, BC
- Smith, J.L., C.D. French and G. Ellis. 1999. Orca sightings in Laskeek Bay: new information on transient and northern residents. In: Gaston, A.J. [ed.]. Laskeek Bay Research 9. Laskeek Bay Conservation Society, BC
- Smith, J.L. and I. Buttler. 1999. Plants on East Limestone Island, with a particular emphasis on the occurrence of rare and uncommon species. In: Gaston, A.J. [ed.]. Laskeek Bay Research 8. Laskeek Bay Conservation Society, BC
- Dechesne, S.B.C.D. and J.L. Smith. 1997. Wildlife Inventory for Husby Forest Products, Haida Gwaii 1994-1996. Prepared for Coast Forest Management, Victoria B.C. and Husby Group of Companies, Victoria, B.C. 49 pp.
- Smith, J.L. 1996. A synthesis: Fluoride monitoring programs in the Kitimat Valley, BC - 1971 to 1995. BC. Ministry of Forests, Prince Rupert Forest Region, B.C. 60 pp.
- Smith, J.L. 1995. Life history, survivorship, and parasitoid complex of the jumping gall wasp, *Neuroterus saltatorius*, on Garry oak, *Quercus garryana*. M.Sc. Thesis, Univ of Victoria. 99 pp.
- Smith, J.L. 1993. A description of the biology of the jumping gall wasp on Garry oak and possible natural controls In: Hebda, R.J. and F. Aitkens [eds.]. Proceedings of the Garry oak Meadow Colloquium. Garry Oak Meadow Preservation Society. Victoria, BC.

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FIELD and TRAINING MANUALS

- Smith, J.L. and A.J. Gaston. 2003. Limestone Island Research: Methods Manual v.3. Laskeek Bay Conservation Society. 62 p.
- Smith, J.L. 2000. Marine bird monitoring at Race Rocks Ecological Reserve. Lester Pearson College of the Pacific, Department of Fisheries and Oceans, and Ministry of Environment. 18 pp.
- Smith, J.L. 1999. Methods Manual for East Limestone Island: Research Protocol. Laskeek Bay Conservation Society.
- Smith, J.L. 1999. Identification of birds at sea: observer-training manual. Environment Canada. 26 pp.
- Smith, J.L. 1999. Biodiversity monitoring in Clayoquot Sound: a field methods manual. Long Beach Model Forest Society, BC.

SELECTED CONFERENCE PRESENTATIONS (2002-present)

- Smith, J. and R. Tingey. 2016. Using BirdLife Marine Important Bird Areas to inform zoning in Seychelles. 43rd Pacific Seabird Group Annual Meeting, Oahu, HI (lecture)
- Smith, J. and R. Brumbaugh. 2015. Using ecosystem services to inform marine spatial planning. 8th Conference of Ecosystem Services Partnership, Cape Town, South Africa (lecture)
- Smith, J., D. Dogley, M. Brown, R. Tingey, and H. Sims. 2015. Towards a Blue Economy in Seychelles: marine spatial planning and a debt swap. Western Indian Ocean Marine Science Association, Durban, South Africa (lecture)
- Smith, J., D. Dogley, M. Brown, and J. Robinson. 2015. Seychelles: On the leading edge of marine spatial planning. 42nd Pacific Seabird Group Annual Meeting, San Jose, CA (lecture)
- Short, C., J. Smith*, J. Bones, S. Diggon, and M. Justice. 2014. Developing a marine zoning framework to implement ecosystem-based management in Canada's North Pacific Coast. International Marine Conservation Congress (IMCC) 3. Glasgow, Scotland (lecture).
- Smith, J., S. Diggon, C. Short, J. Bones, M. Justice, Andrew Day, Micha Prins, Stephanie King and Thomas A Okey. 2014. Ecosystem-based management indicators for a marine planning process in BC's North Coast - Marine Planning Partnership (MaPP). Coastal Zone Canada (lecture)
- Smith, J., S. Diggon, C. Short, J. Bones, and M. Justice. 2014. Developing a marine zoning framework to implement ecosystem-based management - Marine Planning Partnership for the North Pacific Coast. Coastal Zone Canada (lecture)
- Smith, J., S. Diggon, C. Short, J. Bones, and M. Justice. 2014. Marine protected area design for the North Pacific Coast, Canada. Salish Sea Ecosystem Conference, Seattle, WA (lecture; symposium)
- Smith, J., S. Diggon, C. Short, J. Bones, and M. Justice. 2013. Marine Spatial Planning in BC. Pacific Seabird Group Annual Meeting, Portland, OR (lecture; symposium)
- Smith, J., A. Bailey, and J. White. 2011. When the whole is not the sum or the parts: marine conservation status in Washington State. International Marine Conservation Congress 2, Victoria, BC (lecture).
- Smith, Mulder and Ellis. 2010. Where marine ornithology, soil science and botany converge: seabirds as island ecosystem engineers. World Seabird Conference, Victoria, BC (lecture).
- Smith, J. 2010. Marine spatial planning and gaps in marine conservation in Washington State. Coastal Zone Canada Conference, Prince Edward Island (lecture).
- Smith, J.L., K.Morgan and A.E. Edwards. 2010. When Albatrosses Ignore Scientific Literature: Problems using plumage class and bursa size to age birds killed in longline fisheries. Pacific Seabird Group Annual Meeting, Long Beach, CA (lecture).
- Vander Schaaf, D. K. Popper, D. Kelly, J. Smith* and J. White. 2009. Pacific Northwest marine ecoregional assessment – identifying potential biodiversity conservation areas on the continental shelf and slope. Coastal and Estuarine Research Federation, Oregon (lecture).
- Smith, J. 2009. Buy local: chick provisioning strategy of the Juan Fernández petrel. Pacific Seabird Group, Hakodate, Japan (lecture).
- Smith, J. and P. Hodum. 2008. Unintended consequences: investigator effects on Juan Fernández petrel chicks during a provisioning study. Pacific Seabird Group, Semiahmoo, WA (lecture).
- Smith, J. 2007. Dine and dash? Linking foraging behaviours and habitat use of common mergansers on a managed reservoir. 125th Meeting of American Ornithologists' Union, Laramie, WY (lecture).
- Smith, J., J.K. Parrish, C. Thompson and T. West. 2005. Distribution and habitat use of common mergansers on a reservoir in the Columbia River. Pacific Seabird Group, Portland, OR (lecture).

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- Smith, J., F. Wiese, K. Morgan and B. Milko. 2004. Black-footed albatross mortality in Canada's Pacific longline fisheries. Third International Albatross and Petrel Conference (IAPC), Montevideo, Uruguay (lecture).
- Smith, J. and K.D. Hyrenbach. 2003. Galapagos to BC. Seabird communities along a 7 800 km transect from the tropical to subarctic eastern Pacific Ocean. Pacific Seabird Group, Parksville, BC (lecture).
- Smith, J. and K. Morgan, J. Komaromi and K. Amey. 2002. Albatross bycatch in Canada's Pacific demersal longline fisheries, in relation to seabird distributional patterns and fisheries efforts. American Society of Limnology and Oceanography (ASLO), Victoria, BC (lecture).

PROFESSIONAL SERVICE (2000 - present)

- 2009 - present SeaDoc Society, Science Advisory Committee
- 2007 - present Environment Canada, Species at Risk Recovery Team
- 2002 - present Laskeek Bay Conservation Society, Science Advisory Panel
- 2008 - present Peer-review Journals: *Endangered Species Research*, *Fisheries Research*, *Oikos*, *Journal of Avian Biology*, *International Journal of Marine Science*, *Marine Pollution Bulletin*.
Organisations: *California SeaGrant*; *Environment Canada*; *North Pacific Research Board*; *SeaDoc Society*; *Washington SeaGrant*; *US Fish and Wildlife Service*.
- 2015 - 2016 Global Aquaculture Alliance, Zonal Management Standards Committee
- 2013 - 2016 Pacific Seabird Group, Executive Council - Chair (elect, chair, past chair)
- 2011 - 2013 Pacific Seabird Group, Assistant Conservation Editor (appointed)
- 2010 - 2013 Friends of Cooper Island, Board Member
- 2009 - 2011 California Audubon Society, Science Advisor
- 2009 - 2010 Technical Advisory Committee, Department of Natural Resources, WA
- 2008 - 2010 North Pacific Albatross Working Group, Chair
- 2007 - 2008 US Fish and Wildlife Service, Albatross Action Plan
- 2006 - 2008 Pacific Seabird Group, Executive Council - Student Representative
- 2002, 2007 Contributor and reviewer, "National Plan of Action for Reducing the Incidental Catch of Seabirds in Longline Fisheries", Government of Canada, Ottawa
- 2005 - 2006 University of Washington, Student Facilitator
- 2000-2002 DFO - CWS Pacific Seabird Bycatch Working Group, Co-Founder

CONFERENCE ORGANISATION

- 2015 - 2016 Chair, Awards Committee. 43rd Pacific Seabird Group Annual Meeting, Oahu, HI
- 2014 - 2015 Chair, Board. 42nd Pacific Seabird Group Annual Meeting, San Jose, CA
- 2013 - 2014 Chair, Scientific Program. Pacific Seabird Group, 41st Annual Meeting, Juneau, AK.
- 2008 - 2009 Local Committee. Pacific Seabird Group, 35th Annual Meeting, Semiahmoo, WA.
- 2007 - 2010 Co-chair and Local Committee. 1st World Seabird Conference, Victoria, BC.
- 2004 - 2006 Chair, Scientific Program. Graduate Student Society, Univ. Washington, Seattle, WA.
- 2003 -2004 Local Committee. Pacific Seabird Group, 30th Annual Meeting, Semiahmoo, WA.

FELLOWSHIPS and AWARDS

- 2008 Vincent Liguorni Fellowship, Univ Washington
- 2007-2008 Galen and Helen Maxfield Fisheries Scholarship, Univ. Washington
- 2004 Sigma Xi, Grant-in-Aid, Univ of Washington Chapter
- 2005 University of Washington "Outstanding Teaching Honor" (*FSH 250: Marine Biology*)
- 2003 Marc Lindenberg Center for Humanitarian Action, International Development and Global Citizenship Award, Univ of Washington
- 2002-2006 Research Assistantship, Univ of Washington (full support)
- 2002 National Science & Engineering Resources Council (NSERC) Canada (3 years; declined)
- 1997-1998 Science Horizons Scholarship, Environment Canada
- 1995 Lieutenant Governor's Silver Medal Award (finalist), Univ of Victoria
- 1994-1995 Amelia Leith Memorial Fellowship, Univ of Victoria
- 1993-1994 M.C. Melburn Award, Univ of Victoria

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1992-1994 Tree Plan Canada Award, Forestry Canada (2 years, full support)
1992 Graduate Teaching Fellowship, Univ of Victoria (one semester)
1990-1991 British Columbia Athletic Scholarship (2 years, tuition)

GRANTS and CONSULTING CONTRACTS AWARDED (1995 - 2007; 2011 - 2014)

Archipelago Marine Research	Long Beach Model Forest Society
BC Ministry of Environment	Pearson College of the Pacific
BC Ministry of Forests, Research Branch	Skeena Forestry Consultants
Coast Forest Management Inc	Tides Canada Initiative Society
Environment Canada, Pacific and Yukon Region	Tom Johnson and Associates
Fisheries and Oceans Canada, Pacific Region	US Fish and Wildlife Service - Alaska
Laskeek Bay Conservation Society	

PROFESSIONAL ASSOCIATIONS & SOCIETY MEMBERSHIPS

Association of Professional Biologists (since 1995)
Bird Studies Canada (since 2000)
Bulkley Valley Research Centre (since 2013)
College of Applied Biologists of British Columbia (since 2003)
Ecological Society of America (since 2014)
Galápagos Conservancy (1999-2015)
Galápagos Conservancy of Canada (since 2015)
National Audubon Society (since 1987)
Pacific Seabird Group (since 1992; lifetime member)
Society of Conservation Biology (since 2009)

VOLUNTEER ACTIVITIES

2013 - present Bulkley Valley Naturalists, Smithers, BC
1993 - present Pacific Seabird Group
2011 - 2012 Chilliwack Naturalists Society, Chilliwack, BC
2007 - 2011 Seattle Audubon - Puget Sound Seabird Survey, Seattle, WA
2004 - 2008 Graduate Student Society, University of Washington, Seattle, WA
2002 - 2004 Univ of Washington - COASST, Seattle, WA
2002, 2007 Center for Wooden Boats, Seattle WA
1997 Port Townsend Marine Science Center, WA
1997 - 2001 Bird Studies Canada, Christmas Bird Count, British Columbia

FIELD SKILLS

Bird banding and morphometrics (songbirds, seabirds, shorebirds)
Boat handling (power and sail to 15 m, offshore and coastal)
Computer (PC/Mac, MS Office, JMP, R, ArcGIS 9.3, Dreamweaver)
Forestry (wildlife inventory, insect damage, plant surveys, mensuration)
Marine navigation (VHF radio, GPS, dead reckoning, compass, radar, computer charts)

CERTIFICATION

Canadian Coast Guard Recreational Boaters Certification (issued: 2001)
PADI open-water diver (issued: 1987)
Registered Professional Biologist, RPBio (issued: 1995, No. 942)
Restricted Marine and Land Radio Operators License (issued: 1994)
Wilderness First Aid (certified: 2006-2012)