



## **Workshop participant bios**

### **Tundi Spring Agardy**

Sound Seas

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Tundi Agardy is an internationally renowned expert in marine conservation, with extensive field and policy experience in Africa, Asia, the Caribbean, the Mediterranean, North America and the Pacific. Tundi specializes in coastal planning and assessment, marine protected areas, fisheries management, and ocean zoning, and has published widely in these fields. She currently heads Sound Seas, an independent policy group based in the Washington, DC area. Formerly the Senior Director for the Global Marine Program at Conservation International and, before that, Senior Scientist for WWF, she assisted local NGOs, government agencies, and multilateral organizations in conservation planning, project implementation, and program evaluation. Her recent clients have included international think tanks, foundations, multilaterals, museums and academic institutions, environmental groups, and consortia with interests in solving local marine conservation problems. In addition to working at the nexus of policy and science to promote conservation, she also headed up the coastal section of the Millennium Ecosystem Assessment – a 3 year global analysis released in 2005 that represents the consensus of over a thousand scientists. She received her Ph.D. in biological sciences and Masters in Marine Affairs from University of Rhode Island, was postdoctoral fellow at the Woods Hole Oceanographic Institution, and completed her undergraduate work at Wellesley and Dartmouth Colleges.

### **Jamie Alley**

Ministry of Environment, Province of British Columbia

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Jamie Alley is a geographer by training with degrees in natural resource management from Simon Fraser University and the University of Victoria. Jamie began his career with the BC provincial Government in 1977 and has held a variety of positions in natural resource ministries as well as the Intergovernmental Relations Secretariat and the Cabinet Office. He is currently the Director of the Oceans and Marine Fisheries Branch of the BC Ministry of Environment and has responsibility for the provincial government's interests in marine fisheries management, seafood industry development and oceans resource management.

Jamie has also held part-time appointments in the Environmental Studies Program at the University of Victoria and has represented the province at a number of national and international forums including the OECD and the UN. He currently co-chairs the national Oceans Task Group under the Canadian Council of Fisheries and Aquaculture Ministers and the Canada/British Columbia Oceans Coordinating Committee.

**Jeff Ardron**

German Federal Agency for Nature Conservation  
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Jeff Ardron is currently working as a scientific advisor on marine protected areas (MPAs) for the German Federal Agency for Nature Conservation. He is also an advisor on marine conservation issues for BirdLife International, Europe. He serves as Regional Coordinator of the NE Atlantic for the World Commission on Protected Areas (WCPA-Marine), Scientific Advisor on the WCPA High Seas Task Force, and is Secretary for the OSPAR Intersessional Correspondence Group on marine protected areas (MPAs). He maintains his involvement in North America by continuing to serve as Vice-President of the Pacific Marine Analysis and Research Association (PacMARA), which is a trans-disciplinary collection of scientists from government, academia, and NGOs on the Pacific coast of Canada. He holds an MSc in Environment and Management, from Royal Roads University, Victoria, Canada. He is a specialist in marine spatial planning, and has pioneered several spatial analysis techniques. His European work focuses on MPA assessments within the NE Atlantic (OSPAR Convention), the Baltic (HELCOM –Helsinki Convention), and the high seas.

**Rodolph Balej**

Ministère du Développement durable, de l'Environnement et des Parcs du Québec  
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Monsieur Balej est rattaché à la Direction du patrimoine écologique et des Parcs du ministère du Développement durable, de l'Environnement et des Parcs du Québec. Son mandat est de coordonner l'élaboration de la stratégie québécoise sur les aires marines protégées, laquelle devrait être adoptée en 2008. Parallèlement, il coordonne les travaux du comité technique du Groupe bilatéral Canada/Québec sur les aires marines protégées.

**Simon Banks**

New Zealand Department of Conservation  
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Simon Banks has been working on marine protected area planning and marine ecology for 15 years. Simon is currently the Manager, Marine Species and Sites at the Department of Conservation. In this role he is responsible for Marine Protected Areas Policy Implementation, sub Antarctic marine protection, marine reserve establishment and several protected species programmes. Simon is the National Contact for the Agreement on the Conservation of Albatross and Petrels. Between 2001 and 2006, Simon worked for the NSW National Parks and Wildlife Service (Australia) and was responsible for marine park policy implementation. This included preparation of zoning plans for Solitary Islands, Jervis Bay, Lord Howe Island and Cape Byron marine parks. These planning processes included comprehensive community involvement, analysis of science and consideration of economic impacts of zoning these multiple-use marine parks.

Between 1999 and 2001, Simon worked for the Queensland Parks and Wildlife Service (Australia) and was responsible for developing the Marine protected Areas Policy. He also worked on park management effectiveness and the mapping of intertidal habitats for oil spill response. Simon has over 16 publications related to benthic ecology and marine protected area planning and management. He is currently finishing a PhD investigating the use of siting algorithms and the protection of representative habitats for intertidal systems.

**Paul Barnes**

Canadian Association of Petroleum Producers  
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Paul Barnes is Manager - Atlantic Canada for the Canadian Association of Petroleum Producers (CAPP) based in their St. John's, Newfoundland and Labrador office. Paul has over 16 years experience in the oil and gas industry. Prior to joining CAPP, he was employed with the Canada-Newfoundland Offshore Petroleum Board (CNOPB) as Analyst and Deputy Registrar. He currently serves on a number of industry and community related Boards.

Mr. Barnes holds a Bachelor of Commerce (Honours) and a Master of Business Administration from Memorial University of Newfoundland.

**Nelson Boisvert**

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Nelson Boisvert has worked for Parks Canada for over 20 years. Nelson's expertise lies in social approaches to the establishment of new marine protected areas. He has contributed to both Canadian and international MPA initiatives in this regard, developing a professional network within regional and international organizations. He is currently responsible for the proposed Îles de la Madeleine National Marine Conservation Area feasibility study, and is collaborating on the development of a Quebec MPA strategy.

**Wayne Bourque**

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Wayne Bourque is currently the resource conservation manager for the Parks Canada Western and Northern Service Centre in Vancouver. He is also a University of Victoria PhD candidate with a research focus on MPA networks/ zoning for ecologically sustainable use. Wayne is the Parks Canada representative for a number of West Coast initiatives including the Large Oceans Management Area project on Canada's Pacific north coast which is developing a strategic integrated management plan for the region including a network of federal and provincial MPAs; and the Canada- British Columbia Oceans Marine Protection Area Network Implementation Team, a science based and

stakeholder driven process seeking to identify and establish a federal-provincial network of MPAs on Canada's Pacific coast by 2012.

**Andrew Breau**

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Andrew has been employed with the Province of New Brunswick for 15 years. He is presently serving as Provincial Oceans Coordinator with the N.B. Department of Fisheries / N.B. Department of Agriculture & Aquaculture, where he was actively involved in the establishment and designation of the Musquash Marine Protected Area. Andrew also spent 13 years with the Department of Natural Resources where he worked in various capacities, including Manager of the Coastal Areas & Risk Management Section, Manager of the Protected Natural Areas Section, and EIA Coordinator. Andrew holds two Master's Degrees, one in Marine Affairs (MMA) from the University of Rhode Island and one in Business Administration (MBA) from l'Université de Moncton, as well as a Bachelor's Degree in Science (BSc) from Dalhousie University.

**Barron Carswell**

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For the last 28 years Barron has worked in both the private and public sectors in a variety of fisheries and aquaculture research, planning and management roles ranging from blackcod fisheries management, to seaweed culture and extracts, invertebrate biochemistry and mathematical modeling. Barron has been a Ministry representative in a wide variety of Land Use Planning Forums and Planning teams, including; the British Columbia Protected Area Strategy, Vancouver Island Land Use Plan, the Central Coast Land and Resource Management Plan and Baynes Sound Action Plan. As part of that responsibility he has helped develop the marine Geographic Information capabilities for BC Fisheries. His previously assignment in the Ministry of Agriculture and Lands was to the sustainable development of the shellfish aquaculture industry and providing modelling predictions of organic loading from salmon farms to the Ministry and Fisheries and Oceans. Currently he is the Manger of Ocean Resources for the Ministry of Environment he has a BSc. in Marine Biology and an MSc. in Salmon Genetics from the University of Victoria.

**Christie Chute**

Fisheries and Oceans Canada  
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Christie Chute has worked in the field of wildlife and marine conservation for over 12 years. Currently a Senior Analyst, Oceans and Habitat Sector with the Department of Fisheries and Oceans Canada, National Headquarters, Christie has oversight

responsibilities for integrated oceans management planning and *Oceans Act* Marine Protected Area initiatives in Atlantic Canada. Christie has worked extensively on MPAs within the Canadian context. She held the position of DFO Senior Marine Protected Area Advisor from 2001-2006 and was also a member of a tri-agency working group leading the development of Canada's Federal Marine Protected Area Strategy. Prior to being employed by the Government of Canada, Christie worked for Nature Canada, one of Canada's Environmental Non-Governmental Organizations. She holds a Bachelor of Science degree in Biology from Mount Allison University, New Brunswick, Canada.

### **Zoe Cozens**

Department of the Environment, Water, Heritage and the Arts, Australia

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Zoe is an Assistant Director in Marine and Biodiversity Division, at the Australian Government Department of the Environment, Water, Heritage and the Arts. Her interest in marine resource management and biodiversity conservation is reflected in her academic and employment history. In 2003, she completed a Bachelor of Arts with Honours majoring in Aboriginal Studies and Human Ecology at the Australian National University, Canberra. Her honours thesis provided guidance on how indigenous people of the far south coast of New South Wales, Australia, could be more effectively involved in marine resource management. Also in 2003, Zoe joined the Migratory and Marine Species Section of the Australian Government Department of the Environment, Water, Heritage and the Arts and worked to develop and implement recovery plans for threatened marine species and a national policy to ensure sustainable indigenous harvest of dugong and marine turtle. In this position, Zoe was also involved in work to implement and develop international arrangements for the conservation and management of threatened and migratory species.

In 2006 Zoe took up her current position in the South Marine Bioregional Planning Section of the Australian Government Department of the Environment, Water, Heritage and the Arts. Zoe manages a small team that is tasked with developing the South-west Marine Bioregional Plan. The immediate focus of her work is developing the approach to the regional assessment that will be used to identify regional priorities for protected matters in Marine Bioregional Plans. The final plan, due for completion in 2009, will identify regional priorities and provide the policy framework for the development of a network of MPAs within the South-west Marine region.

### **Philip Dearden**

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Philip Dearden is a Professor of Geography in the University of Victoria. His book, *Parks and Protected Areas in Canada: Planning and Management* is widely used in universities throughout Canada. His interest and publications in marine parks go back some 25 years, and include a 7 year period when he lived on his boat and traveled the length of the BC coast and he is still an avid sailor. He leads the Marine Protected Areas Research Group

at UVic and has research interests ranging from marine mammals and seagrass ecology through to coral reef monitoring, community-based governance and diver surveys in South East Asia. He is particularly interested in understanding MPA use patterns, zoning and developing incentive-based approaches to conservation and advises the World Bank, Asian Development Bank, UN, IUCN and national governments in Asia on marine protected area management. He is the Leader of the MPA Working Group for the Ocean Management Research Network and Co-Chair of Parks Canada's NMCA Marine Science Network.

**Fanny Douvere**

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Fanny Douvere is consultant to UNESCO's Intergovernmental Oceanographic Commission in Paris, advising about the role of marine spatial planning in implementing ecosystem-based sea use management. She and Charles Ehler were the co-chairs of the first International Workshop on Ecosystem-based Marine Spatial Planning in November 2006 and she is now the co-manager of a new initiative on marine spatial management that will produce a manual with guidelines and principles for implementation of ecosystem-based marine spatial management. Prior to her work at UNESCO, she was a research assistant at the Maritime Institute at Ghent University, Belgium, where she was one of the coordinators of a project that designed a spatial plan for the Belgian part of the North Sea for the Belgian Federal Government. She has published several articles on European experiences in sea use management and marine spatial planning, including Belgium. She has degrees in international relations and anthropology and comparative cultures.

**Dave Dunn**

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David Dunn is the Director of the Oceans and Habitat Management Program in DFO's Gulf Region in Moncton, New Brunswick. Mr. Dunn began his career with DFO as a fisheries resource economist, and has worked in both national and regional DFO programs throughout his 30 year career with DFO. He has served in a number of operational capacities for the Gulf Region prior to his current position, including Director of the Resource Management, Aquaculture and Recreational Fisheries Divisions.

**Charles (Bud) Ehler**

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Charles Ehler is a consultant to UNESCO's Intergovernmental Oceanographic Commission in Paris, advising about the role of marine spatial planning in implementing ecosystem-based sea use management. He and Fanny Douvere were the co-chairs of the

first International Workshop on Ecosystem-based Marine Spatial Planning in November 2006 and he is now the co-manager of a new initiative on marine spatial management at UNESCO. Prior to this work at UNESCO, he worked at the National Oceanic and Atmospheric Administration (NOAA), USA, where he managed international programs, the national coastal zone management program, and various marine pollution programs for over 27 years. He has also worked for five years at the US Environmental Protection Agency and taught regional planning and natural resources management at the State University of New York at Stony Brook, the University of California, Los Angeles (UCLA), and the University of Michigan. He was the Vice-Chair (Marine) of IUCN's World Commission on Protected Areas from 2000-2005 and is an Associate Editor of the journal, *Ocean and Coastal Management*.

**Kelly Francis**

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Kelly Francis is the presently Senior Policy Advisor, Oceans, Habitat and Enhancement Branch, Fisheries and Oceans Canada, Pacific Region.

Kelly graduated from the University of Victoria with a BA in English Literature and History and completed graduate studies in political science and journalism at the Institute of Canadian Studies at Carleton University.

She joined the Department of Fisheries and Oceans in 1983 as Science Communications Manager at the Pacific Biological Station in Nanaimo. Subsequently she worked on policy initiatives in the Fisheries and Aquaculture Management and Policy sectors in Ottawa before returning to the West Coast. Kelly has worked in the DFO Oceans Program in Pacific Region since 1999, initially as the Integrated Coastal Zone Management Coordinator for South Coast Area and as Senior Policy Advisor for Oceans at regional headquarters since 2003. She is the regional DFO lead on Marine Protected Areas.

**Caroline Gravel**

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Caroline Gravel joined the Shipping Federation of Canada in February 2006 where she serves as Director of Environmental Affairs. In that capacity, she is responsible for developing and implementing programs and information resources on environmental issues such as ballast water, air emissions, marine protected areas, etc for the Federation's membership. She also represents the Federation's interests in relevant environmental initiatives on a regional level, and is in charge of the Federation's Environment Committee and Atlantic Forum initiative.

Prior to joining the Federation, she was involved in research on the evolution of legal rule, using the British Columbia Water Act as a case study in the examination of the

dynamics impacting legal rule revision. She received her BA in Demography and Asian Studies from l'Université de Montréal, and holds a Master of Arts degree in Resource Management and Environmental Studies from the University of British Columbia, where she specialized in environmental policy analysis. She has also spent extensive time in Asia studying the implementation of environmental legislation at the local level.

**Helen Griffiths**

Fisheries and Oceans Canada (Newfoundland and Labrador Region)  
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Helen is currently Acting Section Head of Oceans Programs, Fisheries and Oceans Canada, in St. John's, Newfoundland. Over the past eight years, she has gained experience in all three programs under Canada's *Oceans Act*. She initially started working with the Integrated Management (IM) program, on various projects relating to IM study areas, and at one point, acted as the Placentia Bay IM Coordinator. She also had the opportunity to work on several Marine Environmental Quality (MEQ) projects. From June 2006 to December 2007, Helen worked as the MPA Program Coordinator for the Newfoundland and Labrador Region. She has worked closely with MPA Steering Committee members during that time, dealing with all facets of MPA maintenance, research and monitoring, and has also been responsible for coordinating MPA research through a Collaborative Agreement established with Memorial University. Helen graduated in 1999 with a Masters of Environmental Science degree (Memorial University).

**Tracy Horsman**

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Tracy is a biologist with the Oceans and Coastal Management Division of Fisheries and Oceans Canada at the Bedford Institute of Oceanography. She is currently working on marine protected area planning and supporting other integrated management initiatives. In recent years she has contributed to a variety of programs under Canada's *Oceans Act* including the identification of Ecologically and Biologically Significant Areas (EBSA). She is an author and the co-editor of *The Scotian Shelf: An Atlas of Human Activities*, a project in support of the Eastern Scotian Shelf Integrated Management program. She is also the project lead and principle investigator of a GIS-based decision support tool for ocean management in the Maritimes Region. In the past, Tracy worked for The Nature Conservancy, a leading global environmental non-governmental organization, where she worked extensively in conservation planning with GIS and reserve selection tools. She holds a Bachelor of Arts degree and a Bachelor of Science degree in Biology from Acadia University and an Advanced Diploma in GIS from the College of Geographic Sciences (COGS).

**Thomas Hourigan**

National Oceanic and Atmospheric Administration, United States  
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Tom Hourigan is the Deputy Chief of the Ecosystem Assessment Division and Deep Sea Coral Coordinator for the United States National Marine Fisheries Service, National Oceanic and Atmospheric Administration (NOAA). He co-chairs a new U.S. *Interagency Board on Deep Sea Corals and other Vulnerable Marine Ecosystems*, and is leading development of NOAA's *Deep Sea Coral Research and Technology Program*. Tom came to NOAA in 1997 as NOAA's Marine Biodiversity Coordinator. In this capacity, he represented NOAA on marine issues at the Convention on Biological Diversity (CBD) from 1997 to 2002 and participated in the U.S. implementation of the Presidential Executive Order on Marine Protected Areas. From 2001 to 2007 he managed the Fisheries Service's components of NOAA's Coral Reef Conservation Program. Prior to coming to NOAA, Dr. Hourigan was the Senior Policy Advisor for Climate Change and Biodiversity at the U.S. Agency for International Development (USAID). He represented the agency on delegations to the CBD, the United Nations Framework Convention on Climate Change, and the Global Environment Facility and led the development of the USAID *Biodiversity Conservation Strategy*. Tom received his Ph.D. from the University of Hawaii, studying the ecology of coral reef fishes, and conducted post-doctoral research on fishes in Antarctica and Japan.

**Sabine Jessen**

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Sabine Jessen is the National Manager of the Oceans and Great Freshwater Lakes Program for the Canadian Parks and Wilderness Society, Canada's grassroots voice for wilderness. She has worked to protect the oceans since 1993 with a particular focus on establishing marine protected areas on the British Columbia coast. Sabine has extensive experience in the fields of resource coastal zone and environmental management, and has served as an advisor to a variety of organizations including the Commission for Environmental Cooperation, and the Economic Council of Canada. Sabine served on the Minister's Advisory Council on Oceans from 2000 to 2005, advising the Minister of Fisheries and Oceans on issues related to the management of Canada's oceans. She also served on Fisheries and Oceans Canada's Science Advisory Council.

Sabine has a masters and undergraduate degree in geography from the University of Waterloo, with a focus on coastal zone and resource management. Sabine moved to Vancouver in 1981 to pursue a PhD degree at the University of British Columbia in resource management where her research focused on land use planning in Canada's North.

**Max Kotokak**

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**Martine Landry**

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Martine Landry is the policy advisor and planner for *Oceans Act* Marine Protected Areas at the national level at Fisheries and Oceans Canada, Oceans and Habitat Sector. She joined the Department in 2005, charged with updating and revising the *Oceans Act* MPA Policy and Operational Framework and lead the drafting of the proposed *Oceans Act* Manicouagan MPA's Regulations. She is a member of a tri-agency working group leading the development of Canada's Federal Marine Protected Area Strategy and represents the Department on the Canadian Council on Ecological Areas, a national, non-profit organization to assist Canadians in the establishment and management of a network of protected areas representative of Canada's diversity. Prior to being employed by the Government of Canada, Martine worked as a contractor for provincial and international agencies, including la Direction des parcs, Ministère du Développement durable, de l'Environnement et des Parcs, Québec, and l'Initiative Française pour les Récifs Coralliens, New-Calédonia, providing scientific advice on protected areas, integrated oceans management and marine ecosystem conservation issues related to human uses.

Martine holds a Master in Protected Area Management from James Cook University, Australia, and an Honours Bachelor of Science in Ecology and Resource Conservation from the University of Guelph, Canada. During her academic career, she researched the viability of large mammal populations in Canadian National Parks and worked in the GIS team of the Great Barrier Reef Marine Park Authority, as well as an Assistant Ranger and wildlife ecologist for Parks Canada and forest industries respectively.

**Camille Mageau**

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During her career with the federal Public Service of Canada, Ms Mageau has combined field experience in all three oceans with science management responsibilities in four natural resource departments. Charged in 1995 with development of Canada's vision for ocean management, she oversaw drafting of Canada's *Oceans Act* and implementation of the of the operational elements of Canada's oceans management approach: the development of integrated management plans for marine waters, the establishment of Marine Protected Areas and the development of Marine Environmental Quality objectives, guidelines and regulations.

As a visiting scientist with the National Oceanographic and Atmospheric Administration in Washington, DC, and through her work with the Intergovernmental Oceanographic Commission in Paris, Ms. Mageau has worked with scientists and managers in a number

of countries to develop science-based tools needed to advance ocean management globally.

In her capacity as Director of Oceans Policy and Planning Branch she now directs three teams responsible for the formulation of departmental ocean related policies and the development of tools and guidance to facilitate incorporation of ecological, social and economic considerations in ocean-related decision making.

**Mark Mallory**

Canadian Wildlife Service  
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Mr. Mallory is a Seabird Biologist with the Canadian Wildlife Service based in Iqaluit, Nunavut. Much of Mark's work since 2000 has been involved in identifying and updating information on important marine areas for birds in Arctic Canada, using this information in environmental assessments of ongoing industrial activities in the Arctic, managing existing Migratory Bird Sanctuaries and National Wildlife Areas, and working to establish new protected sites for seabirds. The imminent establishment of Qaqqulluit and Akpait NWAs, areas which will help protect approximately 500,000 seabirds and which are almost totally marine, stem from collaborations between Mark and the community of Qikiqtarjuaq, and should be officially designated once the Inuit Impacts and Benefits Agreement for the protected areas is completed.

**Suzanne Mark**

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Susanne Mark is a biologist, currently with the Oceans Management Branch, Marine Protected Areas Section, where she is leading the elaboration of the monitoring framework of the Manicouagan MPA project. From 2001 to 2004, she was with the Habitat Science Branch, working primarily on the ecosystem approach applied to coastal habitats and communities. Previously, she worked at the National Environmental Research Institute of Denmark on establishing criteria and identifying biological indicators for “nature quality”. She graduated with a M.Sc. from Aarhus University, Denmark in 1995.

**Andrea McCormack**

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Andrea McCormack has worked in Environment Canada’s (EC) National Capital Region for the last five years, and is currently a Habitat Conservation Specialist with EC’s Canadian Wildlife Service. Her responsibilities include representation on a tri-departmental, federal marine protected areas working group, as well as providing overarching support, guidance and policy for EC’s protected areas program. EC’s protected areas network is comprised of National Wildlife Areas, Marine Wildlife Areas,

and Migratory Bird Sanctuaries, all of which are capable of marine protection. Prior to working for the federal government, Andrea worked for several years at Nature Canada and Bird Studies Canada, both environmental not-for-profit organizations.

**Patrick McGuinness**

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Mr. McGuinness is President, Fisheries Council of Canada. He has been with the Fisheries Council for over twenty years, joining the organization as the Vice-President.

Prior to joining the Fisheries Council of Canada, Patrick had an extensive career with the Federal Government. He worked with the Department of Fisheries & Oceans, International Directorate; Industry, Trade & Commerce, Textile & Clothing; and the Canadian International Development Agency. Patrick has a BA (Economics), University of Toronto and a MA (Economics), the City University of New York.

**Rob McKelleher**

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Rob McKelleher is an Assistant Director in Marine and Biodiversity Division, at the Australian Government Department of the Environment, Water, Heritage and the Arts.

As a graduate with the Environment Department in 1999, Rob has worked on a wide range of biodiversity conservation issues – in both the terrestrial and marine environments. For a number of years, he has worked in collaboration with the Australian Threatened Species Scientific Committee, on the amendment and updating of the Australian threatened species list, and the development of recovery and threat abatement plans for these listed species.

For the last couple of years he has been working in areas responsible for the development and delivery of marine protected areas (MPAs) within Australia's southeast and eastern oceans. Currently, he is managing a small team tasked with developing a Marine Bioregional Plan for Australia's eastern oceans. This Plan will provide the policy framework for the development of a network of MPAs within this region. development of a network of MPAs within this region.

**Francine Mercier**

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Francine Mercier is the Senior Planner, Marine Studies for the Park Establishment Branch, Parks Canada. Her primary responsibilities are the identification of representative marine areas in Parks Canada's 29 marine regions and the selection of potential new national marine conservation areas. She also works extensively on policy

and legislation for the Agency's marine program and sits on the Interdepartmental MPA Working Group which is working towards the implementation of the Federal Marine Protected Areas Strategy. Francine has a B.Sc. in Biology with a specialization in Marine Biology from McGill University and an M.Sc. in Biology from the University of Guelph.

**Yvon Mercier**

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Monsieur Mercier est le gestionnaire de la Section, Conservation des écosystèmes au Service canadien de la faune (SCF), d'Environnement Canada, région du Québec où il œuvre depuis 1980. Il dirige une trentaine d'employés regroupés dans 3 unités : 1) Rétablissement des espèces en péril; 2) Évaluation et planification des paysages, et 3) Gestion des aires protégées et intendance. Monsieur Mercier est titulaire d'un baccalauréat en biologie et d'un Diplôme de 2<sup>e</sup> cycle en Administration des affaires de l'Université Laval. Il a, au cours de sa carrière, participé à la mise en œuvre d'importants programmes de conservation, tels le programme d'intendance de l'habitat des espèces en péril et le programme des dons écologiques. Il a aussi représenté Environnement Canada sur plusieurs comités fédéraux-provinciaux au Québec : Plan nord-américain de gestion de la sauvagine, Fonds de restauration de l'habitat du poisson et Plan d'Action Saint-Laurent. Il est membre du Comité interministériel fédéral (région du Québec) sur les zones de protection marine ainsi que du groupe de travail interministériel canadien sur les aires marines protégées. Il est aussi membre du Groupe bilatéral Canada/Québec sur les aires marines protégées.

**Michele Patterson**

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Michele has been involved in resource management, community economic development and conservation in British Columbia for 15 years. She has expertise in: rural and aboriginal community issues; external and government relations, and tools and approaches for marine protected areas and area-based management. Michele has a Master of Arts Degree from Royal Roads University's Environment and Management program (Victoria, BC) and the focus of her thesis was improving governance for science to better inform policy development and marine protected area planning.

Michele has been working for WWF-Canada since early 2001, and leads a diverse WWF BC conservation team located in various places along the Pacific Coast in developing broadly supported, science-based conservation solutions that will also result in sustainable coastal communities. She is also a founding Director and currently, elected President of the *Pacific Marine Analysis and Research Association* ([www.pacmara.org](http://www.pacmara.org)); a BC non-government organization dedicated to providing collaborative, ecosystem-based research and analysis to inform and support marine planning, conservation and resource use in British Columbia.

**Cheri Recchia**

Marine Protected Areas Monitoring Enterprise, California  
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Dr. Cheri Recchia is Director of the Marine Protected Areas Monitoring Enterprise, a new initiative launched under the auspices of the California Ocean Science Trust to lead development of effective, science-based, and sustainable monitoring of California's MPAs focused on supporting adaptive management. Dr. Recchia has worked in marine science and conservation for over twenty years. Prior to heading up the Monitoring Enterprise, Dr. Recchia was Director of the Wildlife Conservation Society's Global Marine Program, overseeing a portfolio of approximately 15 marine protected area and threatened species research and conservation projects around the world. Dr. Recchia has worked extensively on marine protected area design, policy, and management in developed and developing countries, including with Australia's Great Barrier Reef Marine Park Authority.

Dr. Recchia holds a Ph.D. in Biological Oceanography from the Massachusetts Institute of Technology/Woods Hole Oceanographic Institution Joint Program, and an Honours Bachelor of Science in zoology from the University of Guelph, Canada. During her academic career, she studied the behavior and acoustics of a number of whale and dolphin species, particularly beluga whales.

**Jake Rice**

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Currently National Senior Advisor – Ecosystem Sciences, for Department of Fisheries and Oceans, Ottawa, Canada. From 1996 - Sept 2007 was Director, Peer Review and Science Advice for DFO. Previous positions with DFO included Division Chief, Marine Fish at Pacific Biological Station (1990-1996), and Division Chief, Groundfish (1998-1999) and Section Head, Marine Ecology (1992-1998), at the Northwest Atlantic Fisheries Centre. Also held faculty positions at Memorial University of Newfoundland (Biology) and Arizona State University (Environmental Studies), and was Guest Professor of the Royal Danish Academy of Sciences from July 1996-March 1997.

Major research interests include metrics of marine ecosystem status and change (particularly size-based metrics); operationalisation of the ecosystem approach to management of human activities in the sea; approaches to improving the application of science to policy and the cycle of science assessments and management decisions in fisheries; use of non-parametric density estimation methods to address uncertainty in fisheries problems; and during academic period avian community structure and habitat use in desert riparian ecosystems, seabird behavioural ecology, and ecological and behavioural basis for interspecific territoriality.

Publications: 73 Papers in primary scientific journals and book chapters; 91 papers in the technical literature of fisheries and marine science

**Renée Sauvé**

Fisheries and Oceans Canada

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Born in Saint Boniface, Manitoba, Canada Ms Sauvé obtained her degree in natural sciences at the University of Manitoba (1985). She began her career as a summer student with the federal Department of Fisheries and Oceans. The early part of her career entailed research in northern Canada, principally in the Arctic related to oil and gas development. Moving to the Pacific coast in the late 1980's she continued with Fisheries and Oceans Canada in various locations in the province of British Columbia. As a Habitat Biologist she was responsible for conducting impact assessments and providing advice related to foreshore and forestry development activities. Ms Sauvé is a registered Professional Biologist and a member of the College of Applied Biology. As a Biologist Ms Sauvé also became certified as a legal expert witness and is experienced with giving testimony in court. In 1995 Ms Sauvé obtained a position with the Department of Foreign Affairs as a Foreign Service Officer and was responsible for international environmental policy related to freshwater, marine and wildlife management files. She was briefly seconded to the B.C. Government to advise on the issue of the international export of bulk freshwater. As a Foreign Service Officer she was responsible for representing Canada at a number of international venues, including those associated with the UN and the Convention on Biological Diversity. After 6 years with Foreign Affairs, Ms Sauvé returned to Fisheries and Oceans Canada as a Senior Officer. She was responsible for providing international policy advice and was the lead negotiator for the marine component of the World Summit of Sustainable Development. Ms Sauvé is now a Director with the International Policy and Integration Directorate of Fisheries and Oceans Canada. She has chaired numerous international multilateral negotiations related to high seas marine biodiversity and ocean governance. Currently, Ms Sauvé is leading the Canadian delegation to the marine Working Group of the Arctic Council, APEC and the delegation to the UN Informal Consultative Process on Oceans and Law of the Sea. Ms Sauvé resides in Ottawa, Canada and is married with one child.

**Jennifer Smith**

WWF-Canada

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As Manager, GIS/Conservation Planning, Jennifer provides the core of research and outreach for WWF-Canada's work on marine protected areas in the Northwest Atlantic Ecoregion. This work has included establishing the Atlantic office as a centre of expertise in the use of MARXAN, a leading reserve selection tool; co-leading a cross-border initiative to map priority areas for conservation; and authoring *A Policy and Planning Framework for Marine Protected Area Networks in Canada's Oceans* (2006). She also sits on the Eastern Scotian Shelf Integrated Management (ESSIM) initiative Stakeholder Advisory Committee, and on the Gulf of Maine Council.

After a number of years working in community development and politics, Jennifer acquired a degree in Geography from McGill University. Prior to joining WWF-Canada Jennifer acted as Assistant Curator and GIS Specialist at the Dalhousie University Map and Geospatial Information Centre; studied the decline of eelgrass beds along Nova Scotia's Atlantic coast and the role of volunteer-based monitoring in the greater park ecosystem of St. Lawrence Islands National Park; and co-edited the Taylor and Francis volume *GIS for Coastal Zone Management*. She has recently completed a certificate in Watershed Management through the University of British Columbia.

**Bert Spek**

Fisheries and Oceans Canada (Central and Arctic Region)

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As MPA Co-ordinator, Department of Fisheries and Oceans, Central & Arctic Region, Bert was involved in the initial planning and assessment of *Tarium Niryutait* which will be the first MPA designated in the Canadian Arctic. Returning to his position with DFO in 2007, Bert is currently involved with new MPA planning as well as identifying opportunities that could contribute to the federal MPA network. Prior to joining the Department of Fisheries and Oceans, Bert worked with Indian and Northern Affairs Canada as Advisor during the development of the Northwest Territories Protected Areas Strategy. Bert traveled extensively throughout the Eastern and Western Arctic during the 13 years he lived in Yellowknife. Currently he resides in Edmonton. Bert holds a BSc (Trent U), Geography/Anthropology and a MA, Geography (U Vic).

**Tomas Tomascik**

Parks Canada

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Dr. Tomascik is the senior advisor for marine conservation with the Parks Canada Western and Northern Service Centre in Vancouver. His research interests are broad, but closely linked to community ecology of BC's coastal ecosystem and are currently focused on the establishment of Marine Protected Areas as tools for marine biodiversity conservation. Ultimately, his work is tied to the ecologically sustainable use of marine resources within the National Marine Conservation Areas concept. Along with his other responsibilities, he is also the Parks Canada liaison with the National Marine Conservation Areas Science Network which is advising Parks Canada and the Canada-BC MPA Implementation Team on national marine conservation area initiatives on the West Coast and includes government and academic participants. Tom also has extensive international experience, having worked on marine conservation and coastal zone management in Indonesia, as well IUCN marine protected areas projects in Pakistan and Bangladesh.

**John Ugoretz**

Department of Fish and Game, California  
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John Ugoretz is the Habitat Conservation Program Manager for the California Department of Fish and Game's Marine Region. John is principally responsible for providing policy input and staff oversight of marine habitat conservation activities including marine protected areas, environmental project review (including CEQA project review), and habitat issues such as artificial reefs and oil and gas platform decommissioning. John's major duties include coordination of the Marine Life Protection Act implementation process and oversight of all marine protected area activities for the Department. John received a bachelor's degree in Biology from the University of California, Berkeley in 1991. He began work with the Department of Fish and Game in 1992 monitoring stocks of Pacific herring in San Francisco Bay. In the past 15 years he has worked on a variety of Department projects including SCUBA surveys of marine protected areas and rockfish in Monterey and Big Sur, coordinating the pelagic shark tagging program in Long Beach, and abalone and sea urchin monitoring and management in Santa Barbara. John was the Department's technical lead and advisor during the Channel Islands marine protected area process and coordinated initial research efforts at the islands. John was also the Marine Region's Nearshore Ecosystem Coordinator with responsibility for nearshore management activities, including invertebrate fisheries, kelp, and sea otters and seabirds. John is a Department of Fish and Game research SCUBA diver, and is a member of the Department's Diving Safety Board. John is also a sailor and ocean sailing racer as well as a U.S. Coast Guard licensed Captain.

**Doug Yurick**

Parks Canada  
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Doug Yurick has been the national coordinator of Parks Canada's national marine conservation areas program since 1999, with oversight responsibilities for all NMCA establishment initiatives and a range of program-related policy and interagency relationships. He was also the senior planner, marine studies in Parks Canada, from 1983 until 1989. Along with his other responsibilities, Doug currently serves as the Canadian representative on the trinational steering committee for the North American Marine Protected Areas Network, an initiative under the NAFTA Commission for Environmental Cooperation in North America that is focusing on developing a shared approach to MPA monitoring along the Pacific coast of the continent.