

## THE HONORABLE DAVID ANDERSON

*Director, Guelph Institute of the Environment, University of Guelph  
Guelph, Ontario, Canada N1G 2W1, gie@uoguelph.ca, phone: (519) 824-4120 x58475*

Born in Victoria, BC, Mr. Anderson received his early education in Victoria, Hong Kong and Switzerland. He received his law degree from the University of British Columbia, followed by two years of post graduate studies at the Institute of Oriental Studies at the University of Hong Kong.

He spent the following six years with the Department of External Affairs, serving in Indochina, Hong Kong and Ottawa and was elected as a Member of Parliament in 1968. In June of 1972, he was elected Leader of the Liberal Party in BC and in August as Member of the Legislative Assembly.

In 1979 Mr. Anderson worked as an environmental consultant and adjunct professor at the University of Victoria's School of Public Administration focusing on coastal, estuarine and wetland protection and marine pollution from oil transportation and offshore exploration. He simultaneously served on several government commissions and boards.

In October 1993, Mr. Anderson was elected Liberal Member of Parliament (MP) for Victoria. He was appointed Minister of National Revenue and political Minister for British Columbia shortly thereafter. Two years later Mr. Anderson was appointed Minister of Transport.

Mr. Anderson was re-elected as MP for Victoria in June 1997, and was immediately appointed Minister of Fisheries and Oceans. During his ministry, he achieved major fleet rationalization, and passed major conservation initiatives, particularly for salmon conservation, on both coasts. He additionally secured an allocation agreement with the United States under the U.S./Canada Pacific Salmon Treaty.

In 1999, Mr. Anderson was appointed Minister of the Environment, a position he held for five years. In 2001, Mr. Anderson was elected President of the Governing Council of the United Nations Environment Programme. Mr. Anderson was re-appointed Minister of the Environment as well as political minister in 2003.

In 2004, Mr. Anderson was re-elected as MP for Victoria for a fourth consecutive term. In January of 2007, Mr. Anderson was appointed Director of the Guelph Institute of the Environment of the University of Guelph.

Mr. Anderson is the recipient of numerous awards including the fiftieth anniversary International Conservation Award by the Atlantic Salmon Federation, the Andrew Thompson Award for his lifelong contribution to environmental issues and sustainability in British Columbia, the Sierra Club of Canada's John Fraser Award for Environmental Achievement, as well as an Honourary LLD from the University of Victoria.



## MARK ANGELO

*Program Head and Instructor, Fish, Wildlife and Recreation Department, British Columbia Institute of Technology  
SW01 2035 – Burnaby Campus, 3700 Willingdon Avenue, Burnaby, BC V5G 3H2, Canada, Mark\_Angelo@bcit.ca,  
phone: (604) 432-8270*

Mark Angelo is the Program Head of the Fish, Wildlife and Recreation Department of the British Columbia Institute of Technology. He is a recipient of the Order of Canada and also holds the Order of British Columbia, in recognition of outstanding achievement in preserving Canada's waterways.

Mark was also the first recipient of the National River Conservation Award as Canada's most outstanding river conservationist in the past decade. His involvement with conservation issues spans almost 4 decades and he has published close to 300 articles and editorials. Mark is also a renowned paddler having traveled along hundreds of rivers spanning 6 different continents. He is co-chair of the Pacific Fisheries Resource Conservation Council.

Mark is the founder of BC Rivers Day, which attracts up to 75,000 participants annually, and he also chairs the newly established World Rivers Day. Mark's river conservation efforts were formally recognized by the United Nations as part of the International Year of Fresh Water.

## Speaker Biographies



### XANTHIPPE AUGEROT

*Director, Pangaea Environmental, LLC  
1615 SE Bethel Street, Corvallis OR 97333 USA, xaugerot@q.com*

Xanthippe Augerot, PhD is principal of Pangaea Environmental, LLC and outgoing co-chair of the International Union for the Conservation of Nature (IUCN) Salmonid Specialist Group. Pangaea Environmental addresses international salmon conservation issues and strategic planning, program development and fundraising needs for local non-profits and associations. While at the Wild Salmon Center, she helped grow the non-profit Wild Salmon Center (Portland, Oregon) from a three-person to a 30+ person organization, serving in a variety of roles including Vice President for Science and as Co-Director of the State of the Salmon Program. Xan's Russian language skills and intercultural awareness were vital to her convening and problem-solving roles with the Wild Salmon Center. Earlier in her career, she served as a Knauss Congressional Fellow with the U.S. Senate Commerce Committee and worked for several years for Washington Sea Grant. Xan was the lead author of the Atlas of Pacific Salmon, University of California Press (2005).



### TIM BEECHIE

*Supervisory Fish Biologist, National Oceanographic and Atmospheric Administration, Northwest Fisheries Science Center  
2725 Montlake Boulevard E, Seattle WA 98112 USA, Tim.Beechie@noaa.gov, phone: (206) 302-2409*

Tim Beechie holds a Bachelor's degree in geology (1983), a master's degree in fisheries (1990), and a PhD in forest hydrology (1998). He has researched landscape and human influences on fish populations for more than two decades, beginning with studies of fish populations in West African lakes in the mid-1980s. His current research interests include influences of valley and river channel morphology on salmon habitats and populations, formation and evolution of floodplain habitats, restoration of incised channels in semi-arid ecosystems, and sensitivity of salmon populations to climate change. Tim is currently the Team Leader of the Ecosystem Processes Research Team in the Watershed Program at NOAA's Northwest Fisheries Science Center in Seattle.



### VLADIMIR BELYAEV

*PhD of Science, Director of the Department of Science and Education, Russian Federal Agency for Fisheries  
12 Rozhdestvensky Boulevard. Moscow 107996 Russia, belyaev@fishcom.ru, phone: +7 (495) 625-8778*

For many years he has taken part in research cruises in the Northwest Pacific. He previously worked in TINRO (as Head of the Laboratory) in Vladivostok, and in the Khabarovsk TINRO until 2004. His research focuses on the biology of fishes (including salmon), ecology, marine ecosystems and economics of fisheries. He has published more than 100 scientific papers and monographs about conservation and the creation of protected areas for salmon in the Russian Far East.



### GREG BLOCK

*Vice President for Conservation Programs, Wild Salmon Center  
721 NW Ninth Avenue, Suite 300, Portland OR 97209 USA, gblock@wildsalmoncenter.org, phone: (971) 255-5555*

Mr. Block joined the Wild Salmon Center in September 2004. In his former position as the Director of the North American Commission for Environmental Cooperation based in Montreal, Canada, Mr. Block managed a staff of 20 senior managers working in the areas of international conservation of biodiversity; trade and environment; pollutants and health; and law and policy. He has led interdisciplinary teams on regional conservation initiatives in North America, and chaired several senior advisory groups. As a result of his international environmental work, he brings strong relationships with North American non-governmental organizations, government officials and universities. Mr. Block also served as the 2002-2004 Distinguished Environmental Law Scholar at Northwestern School of Law at Lewis and Clark College, and taught environmental law in Mexico under the auspices of a Fulbright Lecture Grant.



## ED BOWLES

*Fish Division Director, Oregon Department of Fish and Wildlife*  
2501 SW First Avenue, Portland OR 97207 USA, ed.bowles@state.or.us, phone: (503) 947-6206

Ed Bowles has led the fish side of Oregon Department of Fish and Wildlife for over eight years. His oversight includes an annual budget of approximately \$70 million administered through eight programs and over 1000 employees. Some accomplishments include developing and implementing key policies directing native fish conservation and hatchery management, federal recovery planning, marine resources conservation and leadership holding the Federal Columbia River Power System accountable to fish conservation and recovery. Ed came to Oregon from Idaho, where he directed the salmon and steelhead recovery program for Idaho Department of Fish and Game. Ed has graduate and undergraduate degrees in Fisheries Science from the University of Wisconsin and the University of Idaho. He lives in Silverton, Oregon, a small community in the foothills of the Cascades.



## PAULA BURGESS

*Strategic Initiatives Consultant, Wild Salmon Center*  
721 NW Ninth Avenue, Suite 300, Portland OR, 97209 USA, pburgess@salmonstronghold.org, phone: (971) 255-5580

Paula Burgess has worked in natural resource management and politics in the US West for thirty years. In 1994, Burgess was appointed Governor Kitzhaber's Assistant for Natural Resources, where she oversaw fifteen natural resource agencies, a small cadre of natural resource advisors, and led development of the Oregon Plan for Salmon and Watersheds

In 2006, Burgess left government to work for the Wild Salmon Center. At the Center, she assembled a group of leaders from the federal, state, local, tribal governments, and major regional non-governmental organizations interested in protecting the best remaining populations of salmon in the Lower 48. The West Coast Senate delegation recently introduced legislation in support of the North America Salmon Stronghold Partnership. Recently, Burgess has turned her attention to developing the kind of local initiatives that might be sponsored by the Stronghold Partnership, including work in the John Day and Willamette Basins.



## CRAIG BUSACK

*Chief Fish Scientist, and Acting Division Manager, Fish Conservation Biology Unit, Washington Department of Fish and Wildlife*  
WDFW Main Office, Natural Resources Building 1111 Washington Street SE, Olympia WA 98501 USA, busaccsb@dfw.wa.gov, phone: (206) 616-6724

Craig Busack received his PhD in genetics from the University of California at Davis in 1981. Since that time, except for a five-year teaching and research detour at the University of Mississippi, he has worked nearly exclusively on genetic issues related to fish hatcheries. As a research scientist at the Washington Department of Fish and Wildlife, he has worked on the Yakima/Klickitat Fisheries Project for many years, writing one of the first hatchery genetic risk assessments in the region. Most recently he has published on several aspects of domestication of Yakima spring Chinook. He is the primary developer of the proportionate natural influence (PNI) statistic, which has become an important tool in management of integrated hatchery programs, and a key component of Washington's hatchery reform process. For the last decade he has managed WDFW's Fish Conservation Biology Unit, and currently he is acting division manager and chief fish scientist.



## RICH CARMICHAEL

*Program Director-Recovery Plan Coordinator, Oregon Department of Fish and Wildlife*  
203 Bagley Hall, One University Boulevard, Eastern Oregon University, La Grande OR 97850 USA, rcarmich@eou.edu, phone: (541) 962-3777

Rich has served as the Oregon Department of Fish and Wildlife Program Director for the Northeast Region Fisheries Research and Development Program for the past 20 years. In this position he oversees studies to evaluate success of protecting, re-establishing and restoring anadromous salmonid populations and fisheries in Central and Northeast Oregon. Areas of research focus on hatchery supplementation, hatchery-wild interactions, life history studies, population dynamics, viability assessment, escapement monitoring, catch and escapement distribution, straying, conservation hatcheries, limiting factors assessment, fisheries restoration, habitat-fish survival relationships and conservation planning. Rich is also the Endangered Species Act Recovery Coordinator for the Interior Columbia River Basin and is a member of the Interior Columbia Basin Technical Recovery Team (ICTRT) and the Recovery Implementation Science Team.

## Speaker Biographies



### FRANK L. CASSIDY JR., "LARRY"

*Chair, Pacific Ocean Shelf Tracking Project (POST)*

Frank L. Cassidy Jr., "Larry", grew up in Seattle and graduated from the University of Washington in 1962. He spent his entire business career in the plumbing industry, which included starting his own wholesale and import firms, both of which he grew internationally and eventually sold over a 30 year period. For seven years he was a partner in Patit Creek Cellars, a boutique winery in Walla Walla, WA, which he sold in 2007.

While conducting his successful business career, Larry committed much time to public service. In 1969 he was elected President of the Northwest Steelheaders, eventually merging that group with Trout Unlimited. Later he served as the National Vice-President of Trout Unlimited, and was recognized as the National Trout Conservationist of the year while on their Board.

Governor Evans appointed Larry to the Washington State Game Commission in 1973, where he served for twelve years and sat as Chairman for four years. In 1998 Governor Locke appointed Larry to the Northwest Power and Conservation Council where he served ten years under two Governors, and led the council for three successive terms as Chairman.

Larry has received numerous awards for his public service in Fish and Wildlife, and is a member of the Northwest Steelheaders Hall of Fame. He is currently retired and serving as the Chair of the Pacific Ocean Shelf Tracking Project.



### VLADIMIR FEDORENKO

*Executive Director, North Pacific Anadromous Fish Commission*

*Suite 502, 889 W Pender Street, Vancouver BC V6C 3B2 Canada, vladf@npafc.org, phone: (604) 775-5550*

Vladimir Fedorenko has been the Executive Director of the North Pacific Anadromous Fish Commission (NPAFC) since 1999. He graduated from the Far-Eastern Fisheries University in Vladivostok, Russia and from the Academy for Foreign Trade in Moscow, Russia. He began his career working on the conservation and management of fish stocks in the Pacific Ocean as an inspector and later as the Deputy Chief of the Conservation and Inspection, Department of Ministry of Fisheries of the USSR. He later moved to Halifax, Nova Scotia and assumed the role of the USSR Fisheries Representative in Canada. In 1991 he returned to Russia and became the Head of the Department for International Cooperation, State Committee for Fisheries in Moscow. Before assuming the Executive Director role at NPAFC, Mr. Fedorenko was the Fisheries Attaché of the Embassy of the Russian Federation in Washington, D.C., USA.



### MICHIO FUKUSHIMA

*Senior Researcher, National Institute for Environmental Studies*

*Onogawa 16-2, Onogawa shi Tsukuba 305-8506 Japan, michio@nies.go.jp, phone: +8 (129) 850-2427*

Michio Fukushima is the senior researcher at the National Institute for Environmental Studies, Tsukuba, Japan. He has also served as a member of the International Union for the Conservation of Nature (IUCN) Salmonid Specialist Group since 2006. He received a Master's degree from Hokkaido University and a PhD from the University of Alaska Fairbanks in 1996. He has long studied salmonid species both in Japan and Alaska. Currently, his research projects include assessment of damming impacts on Mekong River fishes in Thailand, Laos and Cambodia.



### KAREN GILLIS

*Executive Director, Bering Sea Fisherman's Association*

*110 W 15th Avenue, Anchorage AK 99501 USA, karen.gillis@bsfaak.org, phone: (907) 279-5619*

Karen Gillis is the Executive Director of the Bering Sea Fishermen's Association, an alliance that was originally formed by 150 fishermen who came together in Bethel, Alaska on October 7, 1979. Karen has the privilege of serving the 128 communities within the BSFA identified service area; from Bristol Bay to Kotzebue Sound. Karen works directly with the residents in this area who are fishermen and women fishing a commercial and/or subsistence way of life; substantially dependent on the living resources provided by the marine and freshwater environments surrounding them. Karen has advocated for fisheries related and rural economic development issues on behalf of small boat western Alaska fishermen and the residents of western Alaska since 1992. Karen has benefited from working directly with a great many elders and others who have shaped her abilities by providing guidance. The focus of Karen's position requires that she works closely with state and federal oversight agencies as well as BSFA's communities and residents bringing together ideas and hopes for the future.



### MIKE HEALEY

*Professor Emeritus, University of British Columbia*

*West Water 201 6339 Stores Road, Vancouver BC V6T 1Z4 Canada, healey@interchange.ubc.ca, phone: (604) 822-4705*

Dr. Michael Healey is an ecologist with more than 35 years experience in research and teaching about problems in fisheries and water resources management. From 1970 to 1990 he worked as a fishery scientist with the Canadian federal government, first on freshwater fisheries in the Canadian arctic and later on Pacific salmon fisheries in British Columbia. From 1990 to 2007 he was a professor at the University of British Columbia teaching fishery ecology and coastal resources management and leading teams researching water and environmental management issues. He is now professor emeritus at UBC and works as a consultant on water and resource management issues. His research and teaching interests have included both aquatic science and the role of science in public policy. He is internationally recognized as an expert on Pacific salmon but has broad expertise in water and environmental management issues.



### JOHN HILSINGER

*Director, Division of Commercial Fisheries, Alaska Department Fish and Game*

*1255 W Eighth Street, PO Box 115526, Juneau AK, 99811-5526 USA, john.hilsinger@alaska.gov, phone: (907) 267-2335*

John Hilsinger's Alaskan fisheries career is now well into its fourth decade. Beginning in 1972 as a shellfish research biologist at the University of Alaska Fairbanks, John went to work for the Alaska Department of Fish and Game in 1978 as an Area Management Biologist. Since then, John has managed and researched shellfish, groundfish, salmon, and herring stocks throughout Southwest, Southcentral, and Western Alaska. His experience as a salmon biologist includes twenty-three years working as a Regional Management Biologist, Regional Research Biologist, and Regional Supervisor in Prince William Sound, Cook Inlet, Bristol Bay, and the Arctic-Yukon-Kuskokwim Region. He became Director of the Commercial Fisheries Division in March of 2007.



### CRAWFORD "BUZZ" HOLLING

*Eminent Emeritus Professor, University of Florida, and Board Member, Ecotrust Canada*

*111 Bartram Hall, PO Box 118525, Gainesville FL 32611 USA, holling@zoo.ufl.edu, phone: (904) 392-6917*

Crawford (Buzz) Holling received his BA and MSc at the University of Toronto (1952) and his PhD at the University of British Columbia (1957). He worked for some years in the laboratories of the Department of the Environment, Government of Canada, emphasizing research on mathematical and experimental analysis of ecological processes, particularly predator/prey dynamics. Since then, he has been, at various times, Professor and Director of the Institute of Resource Ecology, University of British Columbia, Vancouver, Canada, and Director of the International Institute for Applied Systems Analysis (IIASA), Vienna, Austria. During this period, his research emphasized theoretical and applied aspects of ecological systems and ecological policy and adaptive environmental assessment and management. The goal has been to blend concepts of stability theory and ecology with modelling and policy analysis.

He now occupies the Arthur R. Marshall Jr. Chair in Ecological Sciences at the University of Florida and has launched a comparative study of the structure and dynamics of ecosystems. The Boreal Forests and the Everglades are providing the initial focus for modelling and analysis. The key scientific question is how these systems are organized across scales from centimetres and hundreds of kilometres in space and months to millennia in time. The key policy question is how these systems might respond to global climate change.

He is a Fellow of the Royal Society of Canada and has been awarded the Austrian Cross of Honour for Arts and Science. He is currently editor-in-chief of the new on-line journal Conservation Ecology.

## Speaker Biographies



### CARRIE HOLT

*Research Scientist, Pacific Biological Station, Fisheries and Oceans Canada*

*3190 Hammond Bay Road, Nanaimo BC V9R 5K6 Canada; Carrie.Holt@dfo-mpo.gc.ca; phone: (250) 756-7136*

Dr. Holt's current research goals are to improve scientific advice to management by quantifying and accounting for key uncertainties in fisheries systems, including those related to climate variability and to the uncertain outcomes of implementing management decisions. For her PhD at Simon Fraser University, she quantified "outcome uncertainties" for several stocks of Pacific salmon, and identified harvest strategies that accounted for those deviations. More recently, she developed rebuilding plans for an overfished groundfish species, Pacific ocean perch, that accounted for effects of long-term climate changes on recruitment (in collaboration with André Punt, University of Washington). That work included analyses of satellite-derived information on oceanographic conditions. She is currently a research scientist at DFO (Pacific Biological Station, Nanaimo), where she is identifying benchmarks for assessing status of Conservation Units for Canada's Wild Salmon Policy.



### JAMES IRVINE

*Pacific Biological Station, Fisheries and Oceans Canada*

*3190 Hammond Bay Road, Nanaimo BC V9T 6N7 Canada, irvinej@pac.dfo-mpo.gc.ca, phone: (250) 756-7136*

Jim Irvine is a research scientist with Fisheries and Oceans Canada at the Pacific Biological Station in Nanaimo, BC. He has over 30 years experience studying Pacific salmonids, chairs the Stock Assessment Working Group of the North Pacific Anadromous Fish Commission, and was one of the principal authors of Canada's Wild Salmon Policy.



### ALEXANDER KAEV

*Laboratory Head, Sakhalin Research Institute of Fisheries & Oceanography (SakhNIRO)*

*196, Komsomol skaya Street, Yuzhno-Sakhalinsk, Sakhalin 693023 Russia; kaev@sakhniro.ru; phone: +7 (424) 245-6779*

Alexander Kaev was born on June 10, 1949 in the Arkhangelsk Region (Russia). After receiving his diploma in ichthyology in 1972, he moved to Sakhalin where he started work as a research associate at the Sakhalin Research Institute of Fisheries and Oceanography (SakhNIRO). In 1983, he defended his master's thesis entitled: "Ecology and formation of chum populations of Iturup Island during freshwater and early marine periods of life." In 2002, he defended a PhD thesis entitled "Features of chum reproduction in connection to size and age structure," which was published as a monograph of the same name. Now Alexander Kaev is managing a salmon research laboratory. His list of scientific publications includes 79 titles, as well as 26 reports of his presentations at various conferences.

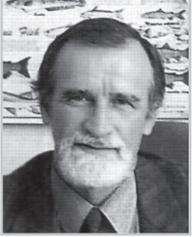


### SUKYUNG KANG

*Fisheries Research Scientist, National Fisheries Research Development Institute*

*#424-1, Songhyun-ri, Songyang-myeon, Yangyang-gun, Gangwon-do 215-821 Republic of Korea, kangsk@nfrdi.go.kr*

Sukyung Kang is a fisheries scientist in Korea and the Korean representative of the North Pacific Anadromous Fish Commission. She got a PhD at Pukyong National University in Korea in 2004. The title of her dissertation was "Identification of stocks and environmental characteristics of North Pacific chum salmon (*Oncorhynchus keta*), by chemical analysis". Her research interests are "How climate change affects ecosystem structure and the productivity at all trophic levels, especially salmon in open oceans and coastal ecosystems" and "Coupling fishery data with bio-geochemistry data to increase understanding about their relationship."



## VLADIMIR KARPENKO

*Professor of Ichthyology*

*Head of Aquatic Bioresources, Kamchatka State Technical University, and Chief Research Associate, KamchatNIRO*

Dr. Karpenko graduated from Far Eastern State Technical Fisheries University (Vladivostok) in 1973. Since 1973 he has been working in a laboratory of marine salmon researchers at KamchatNIRO. His career went from the Junior Research Associate to the Deputy Director of Science. Starting in January 2007, he is also the Head of Aquatic Bioresources at Kamchatka State Technical University. For 29 years, he has been going out to the sea, including on Canadian, American and Japanese vessels.

In 1983, he defended his thesis, and in 1997 he completed his doctoral dissertation. Also in 2007, he received the academic status of Professor of Ichthyology. He is engaged in preparation of post-graduate students, and graduated eight graduate students including one PhD. Dr. Karpenko is a member of several organizations and public councils including: the North Pacific Anadromous Fish Commission, International Union for the Conservation of Nature's (IUCN) Species Survival Commission, and the International Bering Sea Forum, as well as the regional Far East Salmon Council and Scientific and Technical Council for Protected Areas. He is the author of more than 100 scientific papers, including 5 monographs (more than 40 in foreign editions); the editor of several scientific collections and books, some in English. He is the Honorary Figure of Fisheries of the Russian Federation.



## RJ KOPCHAK

*Director, Copper River Program, Ecotrust*

*PO Box 1126, Cordova AK 99574 USA, kopchak@ak.net, phone: (907) 424-7178*

A commercial fisherman for 35 years, Kopchak co-developed the Copper River Fisherman's Cooperative in the early 1980's. The co-op was instrumental in branding 'Copper River' salmon. In 1989 Kopchak was the founding president and the first executive director of the Prince William Sound Science Center. The center focuses on the complex biology and oceanography of Prince William Sound.

In 2002 he joined Ecotrust as the director of their Copper River Program. The program focus has been on the development of collaborative efforts to manage and maintain the resilience and natural functions of the landscapes that support wild salmon.

The programs' Copper River Salmon Workshop Series has brought together the diverse interests in the watershed, developing partnerships to better understand the complex issues threatening the sustainability of the wild salmon populations on the Copper. The result of workshop efforts is the emerging "Headwaters to Ocean" knowledge system approach to resilience management.



## ALEXANDER KULIKOV

*Regional Wildlife Fund, Khabarovsk*

Alexander Kulikov was born January 3, 1952 in the town of Bikal in the Irkutsk Region of Russia. In 1974 he graduated from the Irkutsk Agricultural Institute with a major in Biology. Following that, Alexander worked for the Far East branch of the All-Russia Research Institute of Hunting and Fur-farming Management, where he was engaged in monitoring and database formation regarding rare and endangered flora and fauna of Khabarovsk Krai. In 1993 he founded the Khabarovsk Wildlife Foundation and currently serves as chairman of its board.

Alexander has been working in the field of research and protection of biological resources for 35 years. Under his management, sixty international projects have been completed to create a network of protected areas and conserve biodiversity in Khabarovsk Krai. For his great contribution to scientific progress, the protection of nature, and sustainable economic development of Khabarovsk Krai, he has been honored with the titles of Honored Ecologist of the Russian Federation and Honored Figure of Hunting Industry Management. He is an honorary member of the Wildlife Conservation Society (USA), the coordinator of the International group on preservation of the Amur tiger in Khabarovsk Krai, a member of regional action groups on biodiversity conservation and ecological education, and the author of more than 40 scientific and popular science papers.

He is a skilled organizer and presenter of educational seminars, trainings, and conferences throughout the world. Alexander holds an international certificate in Management of Nongovernmental Organizations from the University of California.

## Speaker Biographies



### FRANK LAKE

*Research Ecologist, USDA-Forest Service, Pacific Southwest Research Station  
3644 Avtech Parkway, Redding CA 96000 USA, franklake@fs.fed.us, phone: (530) 627-3276*

Frank currently works for the US Forest Service–Pacific Southwest Research Station, on tribal and community forestry and natural resource issues. His research focuses on restoration ecology and traditional ecological knowledge with an emphasis on cultural management, fisheries, and fire ecology of forest, grassland and riparian environments in the Klamath-Siskiyou bioregion. Currently, he is researching wildfire affects on riparian zones and fisheries. Frank has worked as a fisheries habitat biologist in Southwest Oregon and in Northwestern California. He received a degree from University of California Davis in 1995 in Integrated Ecology and Culture with a minor in Native American Studies. Frank finished his PhD graduate research in 2007 from Oregon State University, Environmental Sciences Program.



### RICH LINCOLN

*State of the Salmon Program Director, Wild Salmon Center  
721 NW Ninth Avenue, Suite 200, Portland OR 97209 USA, rlincoln@wildsalmoncenter.org, phone: (971) 255-5575*

Rich has 33 years of varied experience in fisheries research, management, and policy in the Pacific Northwest as well as working on global fisheries sustainability. A graduate of the University of Michigan, a central focus of his career has been promoting the use of best available science in sound resource management decision-making. Prior to joining the Wild Salmon Center Rich was International Policy Director with the Marine Stewardship Council in London, UK. Other past roles have included bi-lateral chair of the Pacific Salmon Commission's Fraser Panel under the US-Canada Salmon Treaty, leading development of Washington State's Wild Salmonid Policy and Wild Stock Initiative, and developing cooperative management arrangements with Northwest treaty Indian tribes. Rich has a strong history of involvement and leadership in salmonid research program's including hatchery supplementation, freshwater productivity evaluation, and development and application of salmonid stock identification techniques to improved fishery management. Rich's diverse skills and experiences collaborating with salmon researchers, policy makers, and managers around the Pacific Rim create a great fit for leading the State of the Salmon Program.



### JOHN LONG

*Statewide Anadromous Fishery Manager, Washington Department of Fish and Wildlife  
WDFW Main Office, Natural Resources Building 1111 Washington Street SE, Olympia WA 98501 USA; John.Long@dfw.wa.gov,  
phone: (360) 902-2733*

John is the Statewide Anadromous Fishery Manager for the State of Washington Department of Fish and Wildlife (WDFW) and is responsible for the management of Commercial and Recreational salmon fisheries. John has a BS in Biology from Central Washington University (1993) and began working for WDFW 1994. He has worked in a variety of arenas including Harvest Management, Habitat Assessment, and Stock Assessment. He resides in Shelton Washington with his wife and two sons.



### NATHAN MANTUA

*Associate Professor, University of Washington Climate Impacts Group  
University of Washington, Box 354235, Seattle WA 98195 USA, nmantua@u.washington.edu, phone: (206) 616-5347*

Nathan Mantua is a Research Associate Professor in the School of Aquatic and Fishery Sciences, adjunct faculty in Atmospheric Sciences and Marine Affairs, and the Associate Director of the Center for Science in the Earth System at the University of Washington (UW). He has been a member of the UW's Climate Impacts Group since 1995. His research focuses on climate impacts on the water cycle, forests and aquatic ecosystems, and how climate information is or isn't being used in resource management decisions.

He received a BS from the University of California at Davis in 1988, and a PhD from the UW's Department of Atmospheric Science in 1994. He spent one year as a postdoctoral Fellow at Scripps Institute of Oceanography working on a pilot project for the International Research Institute for Climate Prediction. In April 2000 he received a Presidential Early Career Award for Scientists and Engineers for his climate impacts research and public outreach activities.



## KATE MYERS

*Fisheries Biologist, School of Aquatic & Fishery Sciences, University of Washington  
University of Washington, Box 355020, Seattle WA 98195 USA, kumyers@u.washington.edu, phone: (206) 543-1101*

Kate Myers is a fishery research biologist and Principal Investigator of the High Seas Salmon Research Program, University of Washington, School of Aquatic and Fishery Sciences, Seattle, Washington, USA. Her research focuses on the ecology and biology of Pacific salmon and steelhead in international waters of the North Pacific Ocean and Bering Sea. Kate is also a member of the Independent Scientific Review Panel of the Northwest Power and Conservation Council, a member of the Scientific Technical Committee of the Arctic, Yukon, Kuskokwim Sustainable Salmon Initiative, a Washington State advisor to the North Pacific Anadromous Fish Commission, and the Northwest Regional Director of the American Institute of Fishery Research Biologists.



## MITSUHIRO NAGATA

*Director, East Research Branch, Hokkaido Fish Hatchery  
Maruyama 3-1-10, Nakashibetsu, Hokkaido 086-1164 Japan, nagatam@fishexp.pref.hokkaido.jp*

Mitsuhiro Nagata is a director at the East Research Branch of the Hokkaido Fish Hatchery with the Department of Fisheries and Forestry of the Hokkaido Government. Dr. Nagata's current research includes population dynamics and forecast of Hokkaido salmon (chum, pink and masu), monitoring activity for population dynamics, age structure, hatchery programs, and conservation activity for wild salmon. He also is involved with forum activity for the restoration of wild freshwater fish populations and their habitats.



## PAT PATTILLO

*Special Assistant to the Director, Washington State Department of Fish and Wildlife  
WDFW Main Office, Natural Resources Building 1111 Washington Street SE, Olympia WA 98501 USA,  
PATTIPLP@dfw.wa.gov*

Patrick L. Pattillo has been a fish biologist and fishery manager in Washington for 30 years, employed with the Washington Department of Fish and Wildlife (WDFW). His professional experience has focused on management of salmon populations and fisheries from Alaska to California, both as technical and policy representative of the State of Washington in domestic United States management forums such as the Pacific Fisheries Management Council and international forums such as the Pacific Salmon Commission. Currently Mr. Pattillo serves as a Special Assistant to the Director of WDFW responsible for implementation of international and domestic salmon management plans.



## RANDALL PETERMAN

*Professor and Canada Research Chair, Simon Fraser University  
8888 University Drive, Burnaby BC V5A 1S6 Canada, peterman@sfu.ca, phone: (604) 291-4683*

Dr. Randall M. Peterman is a Professor in the School of Resource and Environmental Management at Simon Fraser University (Burnaby, British Columbia, Canada). He holds a "Canada Research Chair in Fisheries Risk Assessment and Management." Randall's research focuses on quantitative methods to improve the understanding and management of fish populations, particularly in the presence of uncertainties and conservation risks. His research group specializes in developing and applying quantitative methods to improve fisheries management, mostly related to Pacific salmon, through using large data sets, simulation models, Bayesian and other statistical methods, and formal decision analysis. His group has received several international awards for the quality of its research. Randall has served on various policy advisory groups and helped to write the 1995 United Nations Food and Agriculture Organization's (FAO) "Precautionary Approach to Capture Fisheries."

## Speaker Biographies



### THOMAS QUINN

*Professor of Aquatic and Fisheries Sciences, University of Washington*

*University of Washington, Box 355020, Seattle WA 98195 USA, tquinn@u.washington.edu, phone: (206) 543-9042*

Thomas Quinn has been on the faculty in the School of Aquatic and Fishery Sciences at the University of Washington since 1986, having received his PhD from the University of Washington in 1981 and done post-doctoral work at the Canadian Department of Fisheries and Oceans' Pacific Biological Station in Nanaimo, BC. His research is on the ecology, behavior, evolution, and conservation of salmon and trout, including work on all life history stages and species. Current projects, conducted in Alaska and Washington, involve migration in marine and freshwater habitats, selective effects of fishing on life history traits, reproductive success of wild and hatchery-origin salmonids, predation by bears on salmon, alternative life history patterns within species, differentiation of populations within and beyond their native range, and the processes of homing, straying and re-colonization by salmon.



### VLADIMIR RADCHENKO

*Director, Sakhalin Research Institute of Fisheries and Oceanography (SakhNIRO)*

*196, Komsomolyskaya Street, Yuzhno-Sakhalinsk, Sakhalin 693016 Russia, vlad@sakhniro.ru, phone: +7 (424) 245-6779*

Vladimir I. Radchenko graduated from Kharkov State University in 1983 where he primarily studied bivalve mollusks which took him on dozens of scientific expeditions throughout the Pacific Rim. From 1989 to 2000, Radchenko worked as a researcher, head of the laboratory, and deputy director in the Pacific Scientific Research Fisheries Center (TINRO-Center, Vladivostok). Since 2001, Radchenko has worked as director of the Sakhalin Research Institute of Fisheries and Oceanography (SakhNIRO, Yuzhno-Sakhalinsk). During that time, he has participated in eight North Pacific Marine Science Organization (PICES) annual meetings, where he was elected as the Biological Oceanography (BIO) Committee chairman, as well as Science Board Vice-chairman for a three-year term. His scientific work is devoted to marine ecosystem research, climate change and fishery stock dynamics, including Pacific salmon. He has published more than 60 scientific articles.



### GUIDO RAHR

*President & CEO, Wild Salmon Center*

*721 NW Ninth Avenue, Suite 300, Portland OR 97209 USA, grahr@wildsalmoncenter.org, phone: (971) 255-5545*

Mr. Rahr earned a Masters of Environmental Studies from Yale University and has 22 years of experience developing programs for regional and international conservation organizations. Before coming to the Wild Salmon Center Mr. Rahr was the Associate Director of Oregon Trout, where his work won the President's Fisheries Conservation Award from the American Fisheries Society.

Mr. Rahr has also worked as a consultant for the United Nations Development Programme where he led the development of the Kamchatka Salmon Conservation and Sustainable Use Project, and the Rainforest Alliance where he worked on Amazon fish conservation projects. From 1985 to 1990 Mr. Rahr worked with the Nature Conservancy and later Conservation International as a Programme Officer working to establish and support protected areas in the Mexican tropics.

Mr. Rahr is a member of the International Union for the Conservation of Nature (IUCN) Salmon Specialist Group, and the Hoh River Trust and has published articles on salmon and river conservation in both scientific and popular literature.



### PETE RAND

*Senior Biologist, State of the Salmon Program, Wild Salmon Center*

*721 NW Ninth Avenue, Suite 200, Portland OR 97209 USA, prand@wildsalmoncenter.org, phone: (971) 255-5546*

Pete Rand brings to the program 20 years of experience in basic and applied aquatic ecology, with a focus on fisheries science, management, and conservation. Peter is a graduate of Colgate University and received his master's and doctoral degrees from the State University of New York College of Environmental Science and Forestry. Peter was a postdoc at the University of British Columbia from 1995-1997 and an Assistant Professor in the Department of Zoology at North Carolina State University from 1997 to 2003. Peter has authored over 25 peer-reviewed journal articles, two book chapters, and numerous other publications. He has conducted work in a wide variety of ecosystems, including the Laurentian Great Lakes, the Caribbean Sea, and coastal and montane river systems in the southeastern United States. In recent years he has focused his attention on Pacific salmon river ecosystems in British Columbia, Alaska, Russia and Japan. Peter currently holds the position as the Red List Authority Focal Point for the International Union for Conservation of Nature (IUCN) Salmonid Specialist Group.



## KIT RAWSON

*Senior Fisheries Management Biologist, The Tulalip Tribes of Washington*

*7515 Totem Beach Road, Tulalip WA 98271 USA, [krawson@tulaliptribes-nsn.gov](mailto:krawson@tulaliptribes-nsn.gov), phone: (360) 716-4621*

Kit Rawson has been a fishery management biologist in the Tulalip Tribes Natural Resources Department ([www.tualip.nsn.us](http://www.tualip.nsn.us)) since 1986. The Tulalip Tribes is a native sovereign nation with a reservation of 9,000 hectares located on Puget Sound, approximately 60 kilometers north of Seattle, USA. Under the Puget Sound Salmon Management Plan, adopted by the US federal court, Tulalip shares responsibility for managing fisheries in an area of 11,500 square kilometers in the Salish Sea and northern Puget Sound. Kit holds an MS degree in quantitative science from the University of Washington and a BS in biological sciences from the University of Arizona. As a member of the Puget Sound Recovery Implementation Technical Team, several watershed committees, and the San Juan County Marine Resources Committee, Kit is involved in using harvest, hatchery, and habitat management to restore salmon runs throughout the region.



## GORDON REEVES

*Research Biologist, Pacific Northwest Research Station, United States Forest Service*

*PNW Forest Sciences Lab, Corvallis OR 97331 USA, [greeves@fs.fed.gov](mailto:greeves@fs.fed.gov), phone: (541) 750-7314*

Gordie Reeves is a research biologist in the Pacific Northwest Research Station of the US Forest Service. His expertise is in the freshwater ecology of anadromous salmon and trout, conservation biology and aquatic aspects of landscape ecology. He works in the Pacific Northwest (PNW), northern California, Idaho, and Alaska. He was a member of committees that developed and evaluated management options for managing federal lands in the PNW and Alaska and was a co-leader of the Coastal Landscape Analysis and Modeling Study, a long-term, large, interdisciplinary project to model and evaluate forest policy effects at multiple scales. He works closely with the Wild Salmon Center on science issues.



## BRIAN RIDDELL

*CEO/President, Pacific Salmon Foundation*

*300 – 1682 W Seventh Avenue, Vancouver BC V6J 4S6 Canada, [briddell@psf.ca](mailto:briddell@psf.ca), phone: (604) 664-7664*

After 30 years as a scientist and manager in the Science Branch, Department of Fisheries and Oceans, Dr. Riddell has recently accepted a new challenge as the director of the Pacific Salmon Foundation in Vancouver, B.C. In his past life, Brian studied the population genetics and dynamics of Pacific salmon and worked extensively in international fishery issues. The latter particularly included management of Chinook salmon coast wide through the Pacific Salmon Treaty, but also work with the North Pacific Anadromous Fisheries Commission. Dr. Riddell has also worked extensively providing scientific advice on salmon conservation and their use through the Independent Science Advisory Board in the Columbia Basin and for the Pacific Fisheries Resource Conservation Council in British Columbia. While Dr. Riddell may have left his government position, he will continue to work through the private sector to ensure effective conservation of salmon in North Pacific regions.



## FRANK RUE

*Director, Nature Conservancy of Alaska Statewide Salmon Program*

*119 Seward Street #2, Juneau AK 99801 USA, [frue@tnc.org](mailto:frue@tnc.org), phone: (907) 523-3081*

Frank is currently the Director of the Nature Conservancy of Alaska's Statewide Salmon Program. In his spare time he serves on the Juneau Planning Commission, the Juneau Wetlands Review Board and the Board of Southeast Alaska Land Trust.

He served for 8 years as the Commissioner of the Alaska Department of Fish and Game under Governor Tony Knowles. Prior to that he served as the Director of the Habitat Division of the Alaska Department of Fish and Game. He started his career in Alaska working for the Department of Community and Regional Affairs helping local governments develop Coastal Management Programs. From there he went to the Department of Natural Resources where he helped develop land use plans for about 80 million acres of state lands throughout Alaska before moving to Fish and Game to become the Habitat Director.

Frank has been involved in land use and salmon habitat issues in Alaska from many perspectives and for many years.

## Speaker Biographies



### GREG RUGGERONE

*Consultant, Natural Resources Consultants, Inc.  
4039 21st Avenue, #404, Seattle WA 98199 USA, gruggerone@nrccorp.com, phone: (206) 285-3480 x 209*

Dr. Greg Ruggerone has investigated population dynamics, ecology, and management of Pacific salmon in Alaska and the Pacific Northwest since 1979. Most of his research involves factors that affect survival of salmon such as predator-prey interactions, growth, and competition for resources. Lately, Dr. Ruggerone and colleagues have reconstructed abundances of hatchery and wild salmon runs throughout the Pacific Rim in order to improve understanding of their interactions.



### DANIEL SCHINDLER

*Professor, Aquatic & Fishery Sciences/Department of Biology, University of Washington  
Box 355020, Seattle WA 98195-5020 USA, deschind@u.washington.edu, phone: (206) 616-6724*

Daniel Schindler is a professor in the School of Aquatic and Fishery Sciences at the University of Washington. His research seeks to understand the causes and consequences of aquatic ecosystem dynamics. Of particular interest are: (1) the effects of changing climate on trophic interactions and ecosystem services provided by aquatic ecosystems, (2) fisheries as large-scale drivers of ecosystem organization, (3) importance of anadromous fishes for linking marine ecosystems to coastal aquatic and riparian systems, and (4) the importance of aquatic-terrestrial coupling in the organization of aquatic ecosystems. He teaches courses in ecology and limnology. Most of his research is done in Washington and Alaska. He is one of several faculty who operate the Alaska Salmon Program in southwest Alaska.

Daniel Schindler received a PhD (1995) and a MS (1992) from the Center for Limnology at the University of Wisconsin-Madison. He earned a BSc (1990) in Biology at the University of British Columbia.



### ANATOLY SEMENCHENKO

*Monitoring Program Manager, Sakhalin Salmon Initiative Autonomous Noncommercial Organization  
49 Kommunistichesky Prospect, Office 304, Yuzhno-Sakhalinsk 693000 Russia, ansem2847@mail.ru*

Anatoly Semenchenko has 35 years of experience working in the field of ichthyology. From 1973 until 1988, he worked with the Institute for Soil Research in Vladivostok; from 1988 until 2007, he was the senior research associate at the TINRO-CENTER (Fisheries and Oceanography Institute) in Vladivostok. In 2008, he began work with the Sakhalin Salmon Initiative Program. Additionally, during the last 15 years, Anatoly has been a supervisor for work related to stock dynamics and abundance of masu and pink salmon in Primorski Krai. He spent 33 seasons doing field research on remote rivers of Primorski Krai and Sakhalin. Anatoly has participated in seven international expeditions on the rivers of Primorski Krai, Sakhalin and Khabarovsk Krai. In 2007, he headed an expedition on Sakhalin rivers to estimate the condition of Sakhalin taimen populations. He carried out GIS monitoring of salmonid populations and habitat conditions. He also is the founder of a registry of Pacific salmon waters and spawning grounds. Anatoly is an author of 100 scientific publications regarding Pacific salmon living in waters of Primorski Krai, including three monographs.

### VLADIMIR SMIRNOV

*Chairman, Smirnokhovsk Region Association of Commercial Fisheries  
62a Amurskaya Street, Office 208, Yuzhno-Sakhalinsk 693000 Russia, smirnov@bgtelcom.ru, phone: +7 (424) 272-3693*

Vladimir Smirnov was born December 24, 1968 in Yuzhno-Sakhalinsk. His career began in 1987, when he was employed by the Federal Fisheries Agency's Sakhalin branch (Sakhrybvod) in the aquatic construction trust "Sakhalinvodostroi" as an excavator operator. During the next several years, he worked in various organizations in several positions. In 1993, he became vice-president of the Sakhalin office for the collaborative Russian-Japanese company Odysseus.

In 1995, Smirnov registered his company, Pilar Ltd., and purchased the industrial fishing ship Pilar-1. In 1998, he began construction of a fast food café, Kolobok, in Yuzhno-Sakhalinsk. It began operations in 2000. In 2000, he acquired the company Plavnik Ltd., which fishes for salmon and other species along the coast of the Smirnokhovsk region of Sakhalin Oblast. In 2001, along with two other fishing companies, he established the Smirnokhovsk Region Association of Commercial Fisheries, which works in accordance with the orders of its chairman. Smirnov is married with two children.



## JACK STANFORD

*Jessie M. Bierman Professor of Ecology and Director of the Flathead Lake Biological Station University of Montana  
32125 Bio Station Lane, Polson MT 59860 USA, jack.stanford@umontana.edu, phone: (406) 982-3301*

Jack A. Stanford is the Jessie M. Bierman Professor of Ecology and Director of the Flathead Lake Biological Station at The University of Montana, where he has worked since 1971. The Biological Station is a multi-disciplinary research and education center with 7 resident faculty and some 50 staff members including graduate students and post-doctoral scholars. Professor Stanford is well known for his research on natural and cultural interactions of large catchment ecosystems. He has published 150 juried papers and books in limnology and ecology since receiving his PhD from the University of Utah in 1975 and has graduated 13 PhD and 28 MS students. He is most noted for his long-term studies of the 18,200 km<sup>2</sup> Flathead River-Lake ecosystem in Montana and British Columbia. In 1999 Dr. Stanford began extensive work on a suite of observatory salmon rivers in Kamchatka, Argentina, Alaska, and British Columbia; the research focuses on cross-site comparisons of the effects of marine nutrient subsidies on floodplain ecology. Professor Stanford teaches field ecology for undergraduates at FLBS in summers, a very popular, outdoor course. He is a board member of the Wild Salmon Center, Portland, Oregon, that is devoted to conservation of salmon rivers around the Pacific Rim. He has served on many national and international science review panels and editorial boards concerning the ecology and conservation of rivers and salmonid fishes. In June, 2004, Professor Stanford received the Award of Excellence of the North American Benthological Society, the leading professional society in the world concerned with river ecosystems.



## DAVID SUZUKI

*Co-Founder David Suzuki Foundation  
See [www.davidsuzuki.org](http://www.davidsuzuki.org) for contact information*

David Suzuki, Co-Founder of the David Suzuki Foundation, is an award-winning scientist, broadcaster and environmentalist. He earned a PhD in Zoology from the University of Chicago. He has held academic positions in the US and Canada and is now Professor Emeritus of the University of British Columbia's Sustainable Development Research Institute. He has written 42 books, won numerous academic awards and holds 22 honorary degrees. He has been named a Companion of the Order of Canada and has been adopted into three First Nations clans.

Dr. Suzuki is also an award-winning broadcaster. His work includes the CBC programs Suzuki on Science, It's a Matter of Survival, From Naked Ape to Superspecies, as well as the award-winning The Nature of Things with David Suzuki. He also created several esteemed television series including A Planet for the Taking, The Secret of Life on PBS, and The Brain on the Discovery Channel.

Dr. Suzuki is also recognized as a world leader in sustainable ecology. He is the recipient of UNESCO's Kalinga Prize for Science, the United Nations Environment Program Medal and the Global 500. He is a fellow of the American Association of the Advancement of Science.

The David Suzuki Foundation has been working to conserve Pacific salmon and their ecosystems since its inception in 1990. The report *Fish on the Line* by Dr. Carl Walters, which explored issues of salmon fisheries sustainability, was one of the Foundation's first publications and was followed by seminal research into the role of Pacific salmon in coastal ecosystems in the *Pacific Salmon Forests* project with Dr. Tom Reimchen. The Foundation continues to conduct research and develop solutions to support the conservation of Pacific salmon ecosystems.



## GREG TAYLOR

*Fisheries and Economic Development Advisor, Skeena Wild Conservation Trust  
4505 Greig Avenue, Terrace BC V8G 1M6 Canada, gregt@skeenawild.org, phone: (250) 638-0998*

Greg began his career in 1980 working summers first at the last salmon cannery on the Skeena River and then on Haida Gwaii buying troll fish and clams. Greg began working for Ocean Fisheries Ltd. in 1985. In 1989 Greg graduated from SFU with a Masters in Resource and Environmental Management. Moving to Prince Rupert as a senior manager for Ocean's Greg participated in the development of selective fishing techniques, represented the commercial sector on the Skeena Watershed Committee and worked with First Nations to develop the first in-river commercial fishery. He was Co-Chair of the North Coast Advisory Board; past President of the Northern Processor's Association and is currently Chair of the Herring Industry Advisory Board. He has recently retired as Vice President of Fisheries Management for Ocean Fisheries Ltd. in Vancouver. He currently lives on Salt Spring Island where he works as a fisheries consultant.

## Speaker Biographies



### FRAN ULMER

*Chancellor, University of Alaska Anchorage  
3211 Providence Drive, Anchorage AK 99508 USA, [Chancellor@uaa.alaska.edu](mailto:Chancellor@uaa.alaska.edu), phone: (907) 786-7710*

Fran Ulmer has spent 35 years in public service at the local, state, and national level. She served in elective office for eighteen years, including mayor of Juneau, state representative and Lieutenant Governor of Alaska. President Clinton appointed her to the North Pacific Anadromous Fish Commission, where she served for over a decade. She currently co-chairs the National Academies of Sciences Voter Registration Task Force, and is a member of the Aspen Institute's Climate Change Commission, the National Advisory Board of the Union of Concerned Scientists, the Alaska Nature Conservancy Board and the National Parks Conservation Association Board. She earned a JD cum laude from the University of Wisconsin Law School. She has been a Fellow at the Institute of Politics, Kennedy School of Government, and Director of the Institute of Social and Economic Research at the University of Alaska Anchorage. Appointed in May of 2007, she currently serves as Chancellor of the University of Alaska Anchorage.



### CARL WALTERS

*Professor, University of British Columbia  
2202 Main Mall, The University of British Columbia, Vancouver BC V9R 5K6 Canada, [c.walters@fisheries.ubc.ca](mailto:c.walters@fisheries.ubc.ca)*

Dr. Carl Walters is currently Professor of Zoology and Fisheries at the University of British Columbia, Vancouver, Canada. Walters received his BS degree from Humboldt State College, and his MS and PhD degrees from Colorado State University. He has worked at the University of British Columbia since 1969.

Dr. Walters is a specialist in fisheries stock assessment, adaptive management, and ecosystem modeling. He uses mathematical modeling and computer simulation techniques to better understand the dynamics of exploited marine ecosystems and to find more effective methods to manage them in the face of natural variability and high uncertainty. He advocates cooperative arrangements between governments and fishing industries to provide improved information for stock assessment and management via methods such as industry-based surveys. His main research work is on the theory of harvesting in natural resource management, with a primary interest in the basic problem of how to behave adaptively in the face of extreme uncertainty. He is one of the main developers of the ecosystem simulation program known as Ecosim, which is being used to test ideas about organization of trophic interactions in marine systems, and the implications of these interactions for sustainable harvesting theory.

He has written over 190 articles and three books, and serves on the Editorial Boards of a number of journals. Dr. Walters is a Fellow of the Royal Society of Canada (1998) and a Pew Fellow in Marine Conservation (2001). He was also the 2001–2002 Mote Eminent Scholar at Florida State University and the Mote Marine Laboratory. He has received the Volvo Environment Prize, American Fisheries Society Award of Excellence, Timothy Parsons Medal, and the Murray A. Newman Award.



### ROBERT WALTON

*Assistant Regional Administrator, Salmon Recovery Division, National Oceanic and Atmospheric Administration Fisheries Service  
1201 NE Lloyd Boulevard, Suite 1100, Portland OR 97232 USA, [rob.walton@noaa.gov](mailto:rob.walton@noaa.gov), phone: (503) 230-5408*

Rob Walton is the Assistant Regional Administrator for Salmon Recovery for NOAA Fisheries. In previous endeavors, Rob worked on salmon issues for the Public Power Council for about 15 years, was the Acting Ombudsman for the State of Alaska, and worked for the Washington State Senate Energy and Utilities Committee in Olympia. He has a degree in engineering and a master's degree in science and public policy, both from the University of Washington.



## JOHN WHITE

*Arctic-Yukon-Kuskokwim Sustainable Salmon Initiative*

*PO Box 190, Bethel AK 99559 USA, [jwhite@unicom-alaska.com](mailto:jwhite@unicom-alaska.com), phone: (907) 543-3778*

Dr. John White of Bethel, Alaska has a private dental practice and is a commercial salmon fisherman on the Kuskokwim River. A 35 year resident of Bethel, Dr. White made history as an author of the Alaska Sustainable Salmon Policy. Dr. White is serving or has served as a member of the Lower Kuskokwim Fish and Game Advisory Committee, Kuskokwim River Salmon Management Working Group, Western Alaska Salmon Coalition, Salmon Research Foundation, North Pacific Anadromous Fish Commission, North Pacific Research Board, and Chairman and member of the Alaska Board of Fisheries from 1995 – 2002. Currently, Dr. White is Chairman of the Arctic-Yukon-Kuskokwim Sustainable Salmon Initiative Steering Committee as a representative of the Bering Sea Fishermen's Association. Dr. White has dedicated his interests to the preservation of Alaska's bountiful renewable resources.



## JACK WILLIAMS

*Senior Scientist, Trout Unlimited*

*329 Crater Lake Avenue, Medford OR 97501 USA, [jwilliams@tu.org](mailto:jwilliams@tu.org), phone: (541) 772-7724 x2*

Dr. Jack Williams is the Senior Scientist for Trout Unlimited, a non-profit group dedicated to conservation of coldwater fishes and their habitats in the United States. Prior to his current position, he was a Professor at Southern Oregon University, Forest Supervisor of the Rogue River and Siskiyou National Forests in Oregon, and Deputy Forest Supervisor of the Boise National Forest in Idaho. He also has worked for the University of California-Davis, US Fish and Wildlife Service, and Bureau of Land Management (BLM), including serving as the BLM's National Fisheries Program Manager, and the Science Advisor to the BLM Director in Washington, DC. His education includes a BS in Wildlife Biology from Arizona State University, a MS in Biology from the University of Nevada in Las Vegas, and a PhD in Fisheries Science from Oregon State University.



## FREDERICK G. WHORISKEY JR.

*Vice President, Research and Environment, Atlantic Salmon Federation*

Fred was born and raised in Massachusetts. He graduated from Brown University in Providence, Rhode Island in 1976, and worked for five years at Woods Hole Oceanographic Institution (WHOI) before beginning PhD studies at l'Université Laval in Quebec City. He graduated in 1984 and held a NATO postdoctoral fellowship at the University College of Wales in Aberystwyth, UK. He taught as a Professor at McGill University from 1986 – 1995, then joined the Atlantic Salmon Federation in 1995, where he is Vice President, Research and Environment and responsible for directing the Federation's science activities. Fred's research interests are in fish biology and ecology, and the impacts of exotic species on native ecosystems. He is author or co-author of over 60 papers in refereed journals, as well as many technical reports and editor of two books. He has also been heavily involved in public policy issues, especially with regards to environmental impact assessments, and has worked extensively in public education. He received a Gulf of Maine Visionary Award in 2008, and is a frequent public speaker. Fred served on the Board of AquaNet (Canada's National Centre of Excellence in Aquaculture), and Chairs the Board of the Huntsman Marine Science Centre. He is presently assisting Dalhousie University to launch the Ocean Tracking Network.



## JEFFERY YOUNG

*Aquatic Biologist, David Suzuki Foundation*

*219-2211 W Fourth Avenue, Vancouver BC V6K 4S2 Canada, [jyoung@davidsuzuki.org](mailto:jyoung@davidsuzuki.org), phone: (604) 732-4228 x225*

Jeffery Young is an aquatic biologist in the Marine and Freshwater Conservation Program at the David Suzuki Foundation in Vancouver, Canada. Jeffery is leading projects evaluating Pacific salmon management in Canada and represents conservation interests in a number of multi-stakeholder planning processes, including the Canadian Pacific Salmon Integrated Harvest Planning Committee and the Fraser River Panel under the Canada-US Pacific Salmon Treaty. Jeffery provides the in-season assessments of Pacific fisheries for SeaChoice: Canada's consumer and business guides to sustainable seafood ([www.seachoice.org](http://www.seachoice.org)). Jeffery has published scientific papers on the upstream migration of sockeye salmon in the Fraser River, evaluating behavioural and physiological correlates of en route mortality and the use of physiological indicators to support resource management. Jeffery has also worked closely with aboriginal communities, including managing Coastal arctic environmental assessments while employed by the Inuvialuit people of Northern Canada.

## Speaker Biographies



### LEV ZHIVITOVSKY

*Department Head, Population Genetics and Genetic Management and Laboratory of Genetic Identification, Institute of General Genetics*

*3 Gubkin Street., GSP-1 Moscow-333, Moscow 117809 Russia; levazh@gmail.com; phone: +7 (495) 135-5067*

Lev Zhivotovsky is the head of the Lab of Genetic Identification at the Institute of General Genetics in Moscow as well as a professor with the Biology Department at Sakhalin University (Yuzhno-Sakhalinsk) from 2007 to the present. His many honors include: Honored Scientist, nominated by The Russian Federation's Government (2004); Paper of the Year, nominated by The Lancet Journal (2003); The Russian Federation's National Prize in Science and Technology (1996); Schmalhausen Prize in Evolutionary Biology (awarded by The Russian Academy of Science, 1995). Mr. Zhivotovsky's previous positions include: Visiting Professor, The Morrison Institute, Stanford Univ., CA (1990-2006); Adjunct Professor, The Centre for Human Genet., Edith Cowan Univ., Perth, Australia (2000-2001); Affiliate Professor, University of Alaska Fairbanks, Juneau, Alaska, USA (1994-1999, 2003-2006). Mr. Zhivotovsky has more than 220 publications, including 3 monographs in Russian: Population Biometry (1991). The Integration of Polygenic Systems in Populations (1994) and Biometry (1992). He additionally organized and edited translations into Russian of several English texts in genetics, evolution and statistics. He has lectured on Population and Evolutionary Genetics and Biometry at Stanford University (USA), Tartu University (Estonia), Moscow State University (Moscow, Russia), Sakhalin State University (Yuzhno-Sakhalinsk, Russia).



### CHRISTIAN ZIMMERMAN

*Research Fishery Biologist, United States Geological Survey Alaska Science Center*

*4210 University Drive, Anchorage AK 99508, czimmerman@usgs.gov, phone : (907) 786-7071*

Dr. Christian E. Zimmerman is a Research Fishery Biologist and Fisheries Team Leader at the USGS Alaska Science Center and has worked on juvenile salmon and trout ecology since 1988. Dr. Zimmerman is currently conducting research on life history variation in Kamchatka and California rainbow trout, use of otolith microchemistry to describe homing and straying in Norton Sound chum and coho salmon, and early marine ecology of juvenile salmon. Dr. Zimmerman is Chair of the Scientific and Technical Committee of the Arctic-Yukon-Kuskokwim Sustainable Salmon Initiative.