Biosketches – Invited Speakers and Guests

Dave Allen is the Regional Director of the U.S. Fish and Wildlife Service's Pacific Region, headquartered in Portland, Oregon, which includes Oregon, Idaho, Washington, Hawaii, and the U.S. Trust Territories in the Pacific Ocean. Prior to coming to the Pacific Region in 2003, he was the Service's Alaska Regional Director for 8 years. He was the Deputy Regional Director in Alaska for 3 years and for 7 years in the Service's Southeast Region, headquartered in Atlanta, Georgia. He also served 5 years as Assistant Regional Director for Fishery Resources for the Service's Northeast Region, headquartered in Newton Corner, Massachusetts. Other previously held positions include National Aquarium Director and Acting Chief of the Service's Division of Fishery Research, both located in Washington D.C. In addition, he has represented the Service and the United States internationally with the Conservation of Arctic Flora and Fauna Program involving eight arctic nations and the U.S.-Russia Area V Conservation Agreement. He also participated in bi-lateral treaty negotiations with Canada to update the Migratory Bird Treaty and was co-leader in bi-lateral negotiations with Russia to establish a new conservation treaty for Polar Bears. He is a 35-plus year career veteran of the Service. Dave's formal education in the biological sciences includes a Bachelor of Arts degree from Macalester College in St. Paul, Minnesota, and a Master of Science degree from Fordham University in New York.

Dan Ashe is the Science Advisor to the Director of the U.S. Fish and Wildlife Service. Previously, he served as the Chief of the National Wildlife Refuge System and as Assistant Director for Refuges and Wildlife, directing operation and management of the 93 million-acre National Wildlife Refuge System, land acquisition, and migratory bird and wetlands conservation programs. Mr. Ashe also served as the Fish and Wildlife Service's Assistant Director for External Affairs, directing the agency's legislative, communications, research, Native American, and state grant programs.

From 1982 until 1995, Mr. Ashe was a Member of the Professional Staff of the former Committee on Merchant Marine and Fisheries, in the U.S. House of Representatives, advising the Committee's Chairmen and Members on a wide range of environmental policy issues. Mr. Ashe earned degrees from the University of Washington and Florida State University.

Dr. Mark Burgman is Director of the Australian Centre of Excellence for Risk Analysis and a Professor in the School of Botany at the University of Melbourne. He works on ecological modelling, conservation biology and risk assessment. His research has included models on a broad range of species including giant kelp, Orange-bellied parrots, Leadbeaters possums, bandicoots, and Banksias in a range of settings including marine fisheries, forestry, irrigation, electrical power utilities, mining, and national park planning.

He received a BSc from the University of New South Wales (1974), an MSc from Macquarie University, Sydney (1981), and a Ph.D. from the State University of New York (1987). He worked as a consultant ecologist and research scientist in Australia, the United States and Switzerland during the 1980's before joining the University of Melbourne in 1990. He has received research grants from the Australian Research Council, government agencies, industry and private foundations. He has published four authored books, two edited books, over 140 research papers, and more than 50 reviewed reports and commentaries. He was elected to the Australian Academy of Science in 2006.

His most recent book is 'Risks and decisions for conservation and environmental management', which appeared through Cambridge University Press in 2005.

Dr. Jean Cochrane has worked for the Fish and Wildlife Service since 1984, primarily on endangered species issues. Presently, Jean works for the Endangered Species Program's Listing Branch in Washington D.C. although she is located in Grand Marais, MN, on the north shore of Lake Superior. In the past Jean worked for Ecological Services field offices in Indiana, Alaska, and Minnesota. Before and between stints with the Service, she also worked for Isle Royale and Voyageurs National Parks, and for The Nature Conservancy in Minnesota. Her work-life interests are in developing and using pragmatic approaches to modeling and decision analysis to improve endangered species management.

Dr. Robin Gregory is a decision and environmental risk analyst with training in economics, psychology, and ecology. His applied work makes use of a mix of structured deliberation and analysis to help management agencies and community groups think about complex decisions that require tradeoffs across multiple dimensions of value (e.g., economics, environment, social, cultural, health and safety). Robin is particularly concerned about (a) carefully structuring environmental problems so that objectives and measures are clear, (b) making the uncertainty in judgments explicit, and (c) integrating knowledge from different sources, including scientists as well as local and Aboriginal communities. Robin lives near Vancouver, Canada and has research, consulting, and teaching experience in the U.S., Europe, Mexico, and Asia as well as Canada.

Dr. Susan Haseltine grew up in a small town in Maine, received a Bachelor of Science in Wildlife Science from the University of Maine and an MS and PhD from Ohio State University in Zoology investigating the physiological mechanisms of eggshell thinning in wild birds. After a short stint at consulting on contaminant effects in wild birds, she joined the U. S. Fish and Wildlife Service as a researcher for the Patuxent Wildlife Research Center in Laurel, Maryland. After more than a decade as a researcher and research manager, she moved to the Northern Prairie Wildlife Research Center in Jamestown, North Dakota as Center Director. With the exception of a short stint as Assistant Regional Director for Wildlife in Minneapolis for the Fish and Wildlife Service, she has remained in research administration at the regional and national level for the National Biological Service and the U. S. Geological Survey. She is currently the Associate Director for Biology with the U.S. Geological Survey.

Dr. Lynn A. Maguire is Professor of the Practice of Environmental Decision Analysis and Director of Professional Studies in the Nicholas School of the Environment and Earth Sciences at Duke University. She teaches environmental decision analysis, environmental conflict resolution, community-based environmental management, participatory techniques and professional ethics to students pursuing professional masters degrees. She also organizes professional skills workshops emphasizing communication, management, field and laboratory skills.

Dr. Maguire has an A.B. in Biology from Harvard University, a M.S. in Resource Ecology from The University of Michigan, and a Ph.D. in Wildlife Ecology from Utah State University. Prior to coming to Duke in 1982, she worked in the Forestry Research Division of Crown Zellerbach, a paper and wood products company. She has served on the Board of Governors of the Society for Conservation Biology, was a member of the National Academy of Sciences panel that wrote the book Science and

the Endangered Species Act, and has been a member of the editorial board for Biological Conservation. In addition to her academic work, Dr. Maguire consults on environmental decision making with federal and state agencies within the U.S. and with domestic and international conservation and resource management organizations. She uses a combination of tools from decision analysis, conflict resolution and public participation to help clients resolve contentious environmental issues.

Dr. Maguire's current research focuses on integrating public values with technical analysis in environmental decision making. This work, like her consulting work, draws on decision analysis, dispute resolution, and the social psychology of public participation in policy decisions. She has applied these tools to endangered species management, invasive species management, multiple use management of public lands, and watershed planning. Her work often blends traditional research using survey methods, interviews and analysis of archival materials with "hands-on" practice as a decision analyst and facilitator for environmental policy decisions.

Dr. Michael C. Runge is a research ecologist with the U.S. Geological Survey, Patuxent Wildlife Research Center, where he was worked since 1999. His research focuses on the use of decision theory and population modeling to inform wildlife management, with particular emphasis on the formal application of adaptive management. With USGS, he has focused on four areas of research, all of which involve collaboration with USFWS on some level: development and support of Adaptive Harvest Management (AHM) for waterfowl, including mid-continent mallards, northern pintails, and Atlantic Population Canada geese; large-scale experiments and adaptive habitat management on National Wildlife Refuges, focusing on grassland and impounded wetland management; Florida manatee population models and management; and adaptive management for threatened and endangered species. Dr. Runge has helped teach several short-courses on adaptive management, including workshops at The Wildlife Society conference and the International Wildlife Management Congress. Dr. Runge received a B.A. in biology and philosophy from the Johns Hopkins University, an M.A.T. in biology from Spalding University, and a Ph.D. in wildlife science from Cornell University.

Dr. Anthony (Tony) Starfield recently retired as a professor in the Department of Ecology, Evolution and Behavior at the University of Minnesota. He is an applied mathematician and conservationist who has extensive experience in modeling and decision analysis for conservation world-wide. Tony was born and educated in South Africa as an applied mathematician. After 4 years as a professor in an engineering department here at the University of Minnesota in the 1960=s, he returned to South Africa as head of a joint department of applied math, computer science and statistics at the University of the Witwatersrand in Johannesburg. Tony's interest in ecological and conservation modeling was sparked at that time and he became involved in a number of projects in national parks as well as the first South African ecosystem study.

Since 1987 Tony was a professor in the Univ. of Minnesota's Department of Ecology, Evolution, and Behavior where he offered a popular graduate course on "Modeling and Decision Analysis in Conservation Biology." His modeling projects over the past 10 years have included Hawaiian monk seals, the California condor, short-tailed albatrosses and the likely impact of climate change on Alaskan landscapes. Tony continues to make frequent trips back to South Africa, is an honorary professor of zoology at the University of the Witwatersrand, and gives an intense 2-week course on decision analysis to the graduate students in conservation biology at the University of Cape Town

every year. Tony provides numerous workshops on modeling in various national parks in southern Africa (Etosha, Pilanesberg, the Kruger Park) and has worked as a modeling consultant on a number of projects in Namibia, Botswana, Zimbabwe and South Africa. Since 2002, Tony has been offering his workshops to FWS staff as an NCTC course titled "Principles of Modeling for Conservation Planning and Analysis" at the NCTC facility in Shepherdstown, WV. Tony is the author of two books which are used in the workshops "How to Model It: problem solving for the computer age" and "Building Models for Conservation and Wildlife Management".

Dr. Byron Kenneth Williams is Chief of the Cooperative Research Units, U.S. Geological Survey, where he oversees a national program of research units at 40 universities in 38 states. He has held positions as Executive Director of North American Waterfowl and Wetlands Office in U.S. Fish and Wildlife Service, Leader of the Vermont Cooperative Fish and Wildlife Research Unit at the University of Vermont, Assistant Chief and Acting Chief of the Office of Migratory Bird Management, U.S. Fish and Wildlife Service, and several science and management positions at the Patuxent Wildlife Research Center in Laurel, Maryland. Dr. Williams received Masters degrees from both Oklahoma University and Colorado State University, and completed his Ph.D. in rangeland ecology at Colorado State University. He is widely published in areas that include adaptive harvest management, biological modeling, vertebrate mapping, waterfowl management, scientific methodology, habitat conservation, population monitoring, and dynamic optimization in natural resource management.