



Climate Change Vulnerability Assessment

August 16-18, 2011

National Conservation Training Center

Shepherdstown, WV

Speaker Biosketches

Kyle Barrett, Postdoctoral Research Associate, Warnell School of Forestry and Natural Resources, University of Georgia, Athens, GA

Dr. Kyle Barrett is a Postdoctoral Research Associate with the Warnell School of Forestry and Natural Resources at the University of Georgia. His scientific focus is largely centered on understanding how anthropogenic disturbances alter habitat quality for amphibians and reptiles. Kyle studies issues related to urbanization and climate change from population-, community-, and ecosystem-level perspectives. He is currently creating tools to aid long-term long leaf pine restoration for the Southeastern Regional Partnership for Planning and Sustainability and he is leading a team tasked with assessing the vulnerability of North American reptiles and amphibians to climate change. Kyle received his PhD from Auburn University in Auburn, AL, and his MS from Missouri State University in Springfield, MO.

Donna Brewer, Landscape Conservation Training Coordinator, NCTC, Shepherdstown, WV

Donna Brewer is the Landscape Conservation Training Coordinator for the National Conservation Training Center. Donna is also a member of the Fish and Wildlife Service's National Climate Team and works closely with the Landscape Conservation Cooperatives community to develop and direct science-based capacities within the FWS and with partner conservation organizations. Donna manages NCTC's structured decision making/adaptive management curricula and coordinates the delivery of several courses and experiential workshops aimed at resolving complex conservation decision problems. Donna has held conservation positions with the University of Southern California, Bureau of Land Management, Calif. Dept of Fish & Game, Minerals Management Service, National Marine Fisheries Service, Geological Survey, and Fish and Wildlife Service.

From 1991-1997, Donna and her husband completed a six-year circumnavigation of the world in their 44-foot sailboat. After 46,000 sea miles, 38 countries, 743 anchorages, and 232 islands, Donna is eager to share her new perspective on the diversity and distribution of plants and animals with students at NCTC. She lives just outside of Shepherdstown with her husband, Gary, a marine scientist with the U.S. Geological Survey. Donna has B.A. in Biological Sciences from University of California, Irvine and a M.S. from California State University at Long Beach.

Naomi Edelson, Senior Manager of State Wildlife Programs, National Wildlife Federation

Naomi Edelson is Senior Manager of State Wildlife Programs for the National Wildlife Federation under the Safeguarding Wildlife from Climate Change program. She leads NWF's efforts to assist state and federal wildlife agencies with incorporating climate change into their management plans. She currently chairs NWF's "climate smart expert working group" to develop criteria and guidance on on-the-ground adaptation efforts and recently chaired a similar expert work group on climate change vulnerability assessment that led to the guidance document "Scanning the Conservation **Horizon**" (www.nwf.org/vulnerabilityguide) and associated training workshops. Naomi developed and leads a climate change adaptation webinar series for natural resource managers with the U.S. Fish and Wildlife Service. She also is working on a series of "lessons learned" around state level wildlife related adaptation efforts. She leads NWF's state funding campaign to secure funding for adaptation and other wildlife conservation needs.

Formerly, she was the Wildlife Diversity Director/Teaming with Wildlife Director at the Association of Fish and Wildlife Agencies where she initiated and directed all aspects of Teaming with Wildlife, a national grassroots campaign to secure federal funding for state-level wildlife conservation. Naomi developed and implemented legislative, coalition, and media outreach strategies, as well as organized grassroots actions and Hill rallies with over 6000 state/national coalition members (largest conservation coalition in history). She represented and coordinated state wildlife agencies in national bird conservation efforts including Partners in Flight, US Shorebird Plan, North American Waterbird Conservation Plan, North American Bird Conservation Initiative (NABCI), and state "all-bird" workshops. Naomi has a M.S. in Wildlife Ecology from the University of Florida, and a B.S. in Wildlife Biology from the University of Massachusetts at Amherst.

Hector Galbraith, PH.D., Director, Manomet Center for Conservation Sciences

Dr. Hector Galbraith is Director of the Manomet Center for Conservation Sciences Climate Change Initiative Team. He is one of the leading scientists in the field of evaluating the current and future impacts of climate change on ecological resources and of developing science-based adaptation strategies. The results of his research have been published in over 60 papers and chapters in books and peer-reviewed journals. He has carried out research projects for U.S. federal and state agencies and foundations into the likely impacts of global climate change on ecosystems, including evaluating the potential impacts of sea level rise on coastal ecosystems; how climate change might affect services provided by ecosystems in California and Arizona; developing an analytical framework for assessing species' vulnerabilities to climate change; and predicting the potential impacts of climate change on alpine tundra habitats and animals in the U.S. He has written a major report for the PEW Charitable Trust on the observed effects of climate change in North America, and edited and contributed to a major report from the American Bird Conservancy on ecosystem vulnerability in the San Pedro Riparian National Conservation Area in southern Arizona.

Patty Glick, Senior Global Warming Specialist, National Wildlife Federation, Seattle, WA

Patty Glick is Senior Climate Change Specialist at the National Wildlife Federation (NWF). She has been dedicated to the issue of climate change for more than 18 years and has played an important role in educating a diverse constituency of Americans about the issue, as well as developing and promoting meaningful policy solutions. For the past ten years, Ms. Glick has been instrumental in helping NWF build a targeted grassroots global warming campaign, recognizing the critical importance of bringing the issue of global warming "home" to people in order to galvanize them toward action. Much of her work has focused on translating the science of global warming and its impacts on fish and wildlife into creative and understandable outreach tools, including the award-winning Gardener's Guide to Global Warming. She has also led major research studies on the impacts of sea-level rise on U.S. coastal habitats, including major areas of Florida, the Pacific Northwest, and the Chesapeake Bay region and has participated in several governor-appointed working groups to develop state-based climate change adaptation strategies. In 2007, Ms. Glick was one of 23 women around the world named as "An outstanding woman working on climate change issues" by The World Conservation Union (IUCN), and she was recognized by The Wildlife Society as "Today's Wildlife Professional" in *The Wildlife Professional*, Fall 2008. Prior to joining NWF, Ms. Glick served two years as a Senior Fellow for the Sierra Club in Washington, D.C., where she worked with the Club's Global Warming and Energy Program to study the economic and social costs of climate change. She has also conducted policy-related analysis of U.S. energy markets for The Alliance to Save Energy and worked as a transportation and energy economist for the Montana Department of Natural Resources and Conservation. Ms. Glick received an M.S. degree in economics from the University of North Carolina in Chapel Hill and a B.A. from Sweet Briar College in Virginia, where she was class Valedictorian.

Jennifer Hoffman, Senior Scientist/Director of Projects, EcoAdapt, Seattle WA

Dr. Jenny Hoffman is a marine ecologist by training, but has been broadly engaged in the field of climate change adaptation for almost a decade. Her interests include interactions between climate change and other stressors, climate change vulnerability assessment, and adapting conservation and resource management for a changing climate. Dr. Hoffman co-authored and edited *Buying Time: A User's Manual for Building Resistance and Resilience to Climate Change in Natural Systems*, published by WWF in 2003. The *User's Manual* led to the development of Climate Camp workshops, a participant-driven process to help resource managers, conservation practitioners, and others create strategies to adapt their own work to climate change. Jennie has helped lead multiple Climate Camps for participants from around the globe. Along with Dr. Lara Hansen and Eric Mielbrecht, Dr. Hoffman recently started a new organization, EcoAdapt, focused entirely on adapting conservation and resource management to climate change.

John A. O'Leary, Massachusetts Division of Fisheries and Wildlife (MDFW)

John O'Leary received his M.S. in Fisheries Biology from the University of Massachusetts at Amherst. He also worked for Massachusetts Cooperative Fisheries Research Unit as Anadromous Fish Restoration Project leader (1979-1989) before becoming a District Fisheries Manager for MDFW in 1990. John has also held positions as the Statewide Anadromous Fish Restoration Project leader from 1990-1999, Watershed Team Leader 1999-2003, and is currently the State Wildlife Plan Coordinator, 2003-present. John also serves as co-chair of Vulnerability Assessment Sub-Committee of AFWA Climate Change Committee developing guidance document meant to aid states in making State Wildlife Action Plans Climate Smart, sits on a informal, national, group assisting USFWS to develop vulnerability assessment techniques, is the State Co-Chair of the Forest Section of the National, Fish, Wildlife and Plant Climate Adaptation Strategy and Chair of the Northeast Association of Fish and Wildlife Agencies, Climate Change Working Group.

Bruce Young, Director of Species Science, NatureServe

Dr. Bruce Young focuses on the species side of biodiversity conservation in the Americas. He currently coordinates NatureServe's botany and zoology programs where he has led the development of widely used conservation status assessments and digital distribution maps. He coauthored NatureServe's climate change strategy and led the development of a Climate Change Vulnerability Index as a means to rapidly assess the relative vulnerability of plants and animals to climate change. He has contributed to publications on climate change vulnerability produced by the Association for Fish and Wildlife Agencies, the National Wildlife Federation, and the John D. and Catherine T. MacArthur Foundation. Prior to that, Young served as the Western Hemisphere coordinator for the Global Amphibian Assessment and contributed to a well cited study linking amphibian declines to climate change. Young studied at Cornell (B.S.) and the University of Washington (Ph.D.).