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SPEAKERS' BIOGRAPHIES

Mr. David Adams – New York State representative to the Great Lakes ANS Panel and a member of the Policy and Research Committees. As an Ecologist within the New York State Department of Environmental Conservation's Office of Invasive Species Coordination, David is responsible for regulation and policy coordination. The Office recently participated in the development, and legal defense, of the NYS 401 certification of Environmental Protection Agency's Vessel General Permit to manage ballast water. New York State, partnering with several other states, is currently working at the regional and national level to improve the draft U.S. Coast Guard's Proposed Standards for Living Organisms in Ships' Ballast Water Discharged in U.S. Waters. Mr. Adams holds a M.A. in Ecology, is a member of the Wildlife Society, and has been employed by the agency in various capacities since 1991.

James T. Carlton, Ph.D. – Professor of Marine Sciences at Williams College (Williamstown, MA) and Director of the Williams College – Mystic Seaport Maritime Studies Program at Mystic Seaport (Mystic, CT). His research program is focused on the history of marine environments, including modern-day invasions and extinctions in the world's oceans. He is founding editor-in-chief of the journal *Biological Invasions*, a Fellow of the American Association for the Advancement of Science, a Fellow of the California Academy of Sciences, a Pew Fellow for Marine Conservation, and was the Paul Illg Distinguished Lecturer at Friday Harbor Laboratories in 2008. In 1999 he was the first scientist to receive the Interagency Recognition Award from the federal government for his national and international work to reduce the impacts of exotic invasions in the sea. He was Co-Chair of the Marine Biodiversity Committee of the National Academy of Sciences, which produced "Understanding Marine Biodiversity: A Research Agenda for the Nation." Dr. Carlton recently edited and wrote a monograph on the intertidal marine life of the Pacific Coast (Intertidal invertebrates from Central California to Oregon, University of California Press, 2007, 1001 pp.). In 2007 the James T. Carlton Marine Science Center was dedicated at Mystic Seaport. He received his B.A. from the University of California-Berkeley, his Ph.D. from the University of California-Davis, and did his postdoctoral work at the Woods Hole Oceanographic Institution.

Ms. Robin Danesi – With EPA for 14 years, she recently joined the Office of Wastewater Management's (OWM) Industrial Branch. Here she works on all aspects of the Vessel General Permit, most recently completing a study and Report to Congress for vessels under P.L. 110-299 (moratorium for vessels less than 79 feet and commercial fishing vessels). Prior to joining OWM, she spent ten years working on various programs in EPA's region 3 offices at Ft. Meade.

Ian Davidson, Ph.D. – Research Associate at the Aquatic Bioinvasion Research & Policy Institute (ABRPI). The ABRPI conducts research on all aspects of marine and freshwater invasions and is a partnership between Portland State University and the Smithsonian Environmental Research Center. His research there examined the community ecology of benthic marine habitats in SW Ireland, particularly the interaction between dispersal and biodiversity. Since moving to Portland in 2004, he has worked with Greg Ruiz and Mark Sytsma (Directors of the ABRPI) on invasive species, with a strong emphasis on the hull fouling vector. He has conducted field and experimental projects on several aspects of species transfers on vessels' hulls on the East, West and Gulf Coasts of North America and in Panama. Dr. Davidson has published several papers on this work and continues to

evaluate the role of hull fouling in the broader context of marine invasions. Prior to working in Oregon, Dr. Davidson did his undergraduate and doctoral degrees at University College Cork, Ireland.

Richard A. Everett, Ph.D. – Coordinates the U.S. Coast Guard's research activities on the prevention of biological invasions via the operations of ships, provides technical assistance in developing regulations, and is technical advisor on ballast water management to the U.S. Delegate to the International Maritime Organization. Prior to his current position, he was a Senior Staff Biologist with the U. S. Fish and Wildlife Service's Chesapeake Bay Estuary Program and held post-doctoral positions at the Smithsonian Environmental Research Center and the University of Oregon's Institute of Marine Biology. Dr. Everett holds a BA in Biology from the University of California, Santa Cruz, and a Ph. D. in Zoology from the University of California, Berkeley.

Ms. Maurya Falkner – Environmental Program Manager with the Marine Facilities Division of the California State Lands Commission. She has managed the California Marine Invasive Species Program since its inception in 1999. The Program, in addition to regulating the ballast water discharges from commercial vessels, sponsors/conducts research on ballast water exchange verification, hull fouling, and shipboard treatment technology. Ms. Falkner has worked at the state, regional, federal and international levels to develop consistent ballast water management requirements. Ms. Falkner has also testified before the U.S. Congress (June 2002, June 2005) on approaches to improving the national ballast water management program. Ms. Falkner is a member of the Pacific Ballast Water Group, Washington's Ballast Water Working Group, and Oregon's Ballast Water Task Force. She is also a Technical Reviewed Panel Member for NOAA's Ballast Water Demonstration Project. She has been with the Commission since December 1996. Prior to joining California State Lands Commission, Ms. Falkner was a Research Associate at Colorado State University, where she was the Program Manager for the Central Grasslands Global Change Project, Ecosystems Studies Group. She also worked as a lead person on research projects involving endangered and threatened plant species on Department of Defense Installations in Colorado, Hawaii and Texas. Ms. Falkner is a graduate of Colorado State University and earned an MS in ecology and BS in zoology.

Pam Fuller, Ph.D. – Program Leader for the USGS Nonindigenous Aquatic Species Program, which maintains a nationwide database and a web site of aquatic invaders. She is author of the summary book "Nonindigenous Fishes Introduced into Inland Waters of the United States" which reviews the introductions of more than 500 species and looks at spatial and temporal patterns of these introductions. Dr. Fuller has been involved in numerous national and international invasive species research activities and work groups, particularly in the field of invasive species information management. She has collaborated with the Smithsonian Environmental Research Center to develop NISbase – a distributed query system for aquatic invasive species databases and is involved in the development of a global equivalent – the Global Invasive Species Information Network.

Edwin Grosholz, Ph.D. – Professor and the Alexander and Elizabeth Swantz Specialist in Cooperative Extension at UC Davis since 1999; formerly an Assistant Professor at the University of New Hampshire. He is a benthic marine ecologist and invasion biologist whose research includes understanding the impacts of introduced species in coastal systems and measuring the current success and future prospects of restoring native oysters in western estuaries. Dr. Grosholz has published over fifty peer-reviewed journal articles and book chapters including a recently edited book on *Human Impacts on Salt Marshes: A Global Perspective* published by the University of California Press. He has also been a principal investigator on more than forty federal and state grants and contracts investigating invasive species and habitat restoration in aquatic systems. He is an Associate Editor for the journals *Ecology* and *Frontiers in Ecology and the Environment*. He has been a co-chair of the Coastal Committee for the Western Regional Panel (WRP) of the Aquatic Nuisance Species Task Force (ANSTF), a member of the Southern California Caulerpa Action Team (SCCAT), a member of the European Green Crab Control Committee of the Federal Inter-Agency Aquatic Nuisance Species Task Force (ANSTF), co-author of the federal management plan for the European Green Crab and co-author of the California Aquatic Invasive Species Management Plan. Dr. Grosholz also manages an extensive outreach education program on aquatic invasive species and has produced numerous education materials including

posters, videos, pamphlets, web sites, and watch cards aimed at preventing coastal invasions. Some of these materials have been translated into Spanish and Chinese to better communicate the threat of invasive species to California's diverse population. Dr. Grosholz received his B.A. in biology from Brown University and his Ph.D. in Zoology from the University of California, Berkeley.

Peter T. Jenkins, J.D. – Manages Defenders' campaigns aimed at protecting global biodiversity reforming the wildlife trade, and blocking imports of non-native invasive species into the United States. Before joining Defenders in 2006, Mr. Jenkins served for five years as Attorney/Policy Analyst for the International Center for Technology Assessment and the Center for Food Safety, and for one year as Senior Attorney for the Center for Science in the Public Interest. From 1996 to 2000, he specialized as a consultant on both endangered and invasive species issues. Before that, Mr. Jenkins worked as a contractor for the U.S. Fish and Wildlife Service in Albuquerque on its Mexican wolf reintroduction project as a program manager; as an adjunct professor at the University of New Mexico Law School's Center for Wildlife Law; and as an attorney/policy analyst at the U.S. Congress, Office of Technology Assessment. He is the principal author of the report, *Broken Screens: The Regulation of Live Animal Imports in the United States*, and co-authored the report *Harmful Non-Indigenous Species in the United States*. He is a founder of the National Environmental Coalition on Invasive Species, and a member of the IUCN Invasive Species Specialist Group. Mr. Jenkins earned his B.A. from Hampshire College, Masters in Environmental Studies from the Yale School of Forestry and Environmental Studies, and J.D. from the University of Puget Sound Law School.

Whitman Miller, Ph.D. – Research Scientist and Assistant Director at the Marine Invasions Laboratory at the Smithsonian Environmental Research Center. He investigates the underlying biological, biogeographical, and ecological characteristics of marine and estuarine exotic species as well as the quantification of geographic and temporal patterns of marine and estuarine invaders and their vectors. The application of ecological theory and methodology is critical to the development of effective non-native species prevention and management strategies. During the past 11 years, Dr. Miller has directed operations of the National Ballast Information Clearinghouse, (NBIC) a cooperative effort of the US Coast Guard and Smithsonian Environmental Research Center. NBIC's charge is to collect, analyze, and synthesize ballast water delivery and management information from all commercial ship arrivals to US ports. Dr. Miller received his B.A. from Earlham College and his Ph.D. in Environmental Science and Engineering (Invasion Ecology) from University of California, Los Angeles. Miller was also a Sea Grant Knauss Marine Policy Fellow with the Office of United States Senator John Glenn.

Read Porter, J.D. – Staff Attorney with the Environmental Law Institute where he directs the Institute's Invasive Species Program. Mr. Porter is the author of numerous reports and articles in academic journals on invasive species, aquaculture and fisheries policy, and nanotechnology regulation. His invasive species work includes recent publications focusing on state invasive species laws and regulations, prevention of invasive species introduction via ballast water discharge and the wildlife trade, and early detection and rapid response to plant pest and pathogen invasions. Mr. Porter also serves on the advisory board of the Maritime Environmental Resource Center, a ballast treatment technology testing facility based in Baltimore, Maryland. Prior to joining ELI in 2006, Mr. Porter served as a law clerk for the Honorable Julia Smith Gibbons on the United States Court of Appeals for the Sixth Circuit and was Editor-in-Chief of the *Harvard Environmental Law Review*. Mr. Porter holds a J.D. from Harvard Law School and a B.A. in Geology from Amherst College.

Mario Tamburri, Ph.D. – After spending six years at the Monterey Bay Aquarium Research Institute, Dr. Tamburri is now a Research Associate Professor at the Chesapeake Biological Laboratory (CBL) and the Executive Director of a national program headquartered at CBL called the Alliance for Coastal Technologies (ACT). ACT is dedicated to fostering the development and adoption of effective and reliable sensors and platforms for studying and monitoring coastal waters. Dr. Tamburri also runs a real-time weather and water quality monitoring program in the Patuxent River, which is a fundamental part of the Chesapeake Bay Observing System (CBOS). Through ACT and his work in Chesapeake Bay, Dr. Tamburri has become involved with the NOAA Integrated Ocean Observing System (IOOS) and the NSF Ocean Observing Initiative

(OOI). Tamburri has also worked for over 10 years on ballast water treatments to prevent invasive species that has led to appointments on several advisory boards including the EPA and US Coast Guard Technical Advisory Panels. This work has also led to a new partnership with the Maryland Port Administration to establish and manage the Maritime Environmental Resource Center, which provides test facilities, information, and decision tools to address key environmental issues facing the international maritime industry. Dr. Tamburri received a BA from UC Santa Barbara, a MA from University of Alabama, and a Ph.D. from the University of South Carolina in biology and marine science.

Mr. Robert Wiltshire – Founder and Executive Director of the Center for Aquatic Nuisance Species (CANS), an organization dedicated to reducing the human caused spread of aquatic invasive species. Mr. Wiltshire's work focuses on developing programs that build public ownership and generate voluntary behavior change. Prior to founding CANS, he served as Chief Operating Officer of the Federation of Fly Fishers and as a fishery biologist for Montana Fish, Wildlife & Parks. Bob serves as a member of both the Invasive Species Advisory Committee and the Western Regional Panel of the ANS Task Force. He is a 1975 graduate of Wartburg College in Waverly, Iowa.