

**Committee on Offshore Science and Assessment  
Spring 2023 Meeting – March 20-21, 2023****Biosketches of Invited Guests**

**Anne Bowles** received her Ph.D. in Marine Biology from the Scripps Institution of Oceanography in La Jolla, California. She was trained as a behavioral ecologist and bioacoustician and now leads the Animal Behavior and Senses Program at Hubbs-SeaWorld Research Institute, an independent 501(c)(3) not-for-profit research organization. She has over 40 years of experience studying the effects of human made noise on animals in both terrestrial and marine environments, serving on a wide range of advisory panels for agencies and organizations such as the Office of Naval Research, International Union for the Conservation of Nature, the National Park Service, and National Oceanographic and Atmospheric Administration. She was a member of the panel that published current science-based criteria for protecting marine mammal hearing from noise and is a participant in ongoing efforts to develop criteria for behavioral responses.

**Jessica Bravo** is the Chief of Staff for BOEM's Office of Environmental Programs, leading a number of major policy, programmatic, and organizational issues that support environmental protection. She strives to elevate the Bureau's scientific profile through coalition building, including managing BOEM's relationship with the National Academies. Prior to joining BOEM in 2019, Jessica was a trusted advisor for FEMA and for EPA's Chief Data Scientist and was a Natural Resources Management volunteer in the Peace Corps. She has a master's degree in environmental management from Harvard University.

**Annamaria DeAngelis** is a Research Biologist in the Passive Acoustics Research Group at the NOAA Northeast Fisheries Science Center. She leads the odontocete research projects, with a focus on beaked and sperm whale acoustic ecology and behavior.

**Jon Hare** is the Science and Research Director at the NOAA Northeast Fisheries Science Center. His research has focused on fisheries oceanography: understanding the interactions between the ocean environment and fisheries populations with an aim of contributing to fisheries assessment and management. Jon also examines the effect of climate change on fish and invertebrate population dynamics. Recently, he has been working to support offshore wind energy development, while protecting and conserving wildlife and promoting sustainable fisheries. Jon earned a BA in Biology from Wesleyan University and a PhD in Oceanography from SUNY Stony Brook.

**Brian Hooker** has been with BOEM's Office of Renewable Energy Programs since 2010 aiding in the assessment and study of environmental impacts from offshore renewable energy along the U.S. Atlantic seaboard. His area of expertise at BOEM is around protected species, essential fish habitat, and commercial and recreational fishing. He now leads a team at BOEM that is responsible for Endangered Species Act and Magnuson-Stevens Fisheries Conservation Act consultations and National Environmental Policy Act assessment subject matter expertise for Atlantic offshore wind projects.

**Brian Jordan** is BOEM's federal preservation officer and Branch Chief for Environmental Consultation within the Headquarters Office of Environmental Programs. He manages a talented team of interdisciplinary scientists developing innovative programmatic solutions for complex environmental issues. Prior to joining BOEM, Brian was the assistant state underwater archaeologist for Maryland, working for the Maryland Historical Trust. In Maryland, he built up the remote-sensing and data processing capabilities of the Maryland Maritime Archaeology Program. Other government experience included building and overseeing the cultural and historical resources component of NOAA's National Marine Protected Areas Center. In his career as a marine archaeologist, Brian has participated in and conducted marine archaeology surveys and excavations in numerous countries on four continents. He also worked with and advised institutes and government representatives of several countries on the survey, excavation, and management of submerged cultural resources. Past research focused on environmental factors affecting the preservation of wooden shipwrecks in the marine environment. Current professional interests are strategic planning, change management, and developing people and teams for long-term success.

**Francine Kershaw** is a Senior Scientist in the Oceans Division at the Natural Resources Defense Council, where she uses the best available scientific information to advocate for improved protections for marine mammals related to a variety of issues, including ocean noise, ship strikes, and bycatch. She currently leads NRDC's work to end large whale entanglements and dedicates a large part of her portfolio to advancing responsible offshore wind development. She is an active member of the NOAA Atlantic Scientific Review Group and the NYSERDA Environmental Technical Working Group for offshore wind. Francine holds a bachelor's degree in zoology from the University of Leeds, a master's degree in biodiversity, conservation, and management from the University of Oxford, and a PhD in ecology and evolutionary biology from Columbia University. She is based in Charleston, South Carolina.

**Liz Klein** serves as the Director of the Bureau of Ocean Energy Management, and previously served as Senior Counselor to Secretary Haaland at the Department of the Interior. Klein is an attorney who specializes in clean energy, climate change, and environmental law and policy. A member of the Biden-Harris administration since January 2021, President Biden is the third President under which Liz has served at Interior, having worked for both the Clinton and Obama administrations. Under Secretaries Ken Salazar and Sally Jewell, Liz served as Interior's Associate Deputy Secretary as well as Principal Deputy Assistant Secretary in the Office of Policy, Management and Budget.

**Jill Lewandowski** holds a Ph.D. in Environmental Science and Public Policy from George Mason University. She currently serves as BOEM's Director of the Division of Environmental Assessment and the Center for Marine Acoustics. Collectively, she leads a national-level team of experts in providing environmental science and policy advice to decision-makers. Dr. Lewandowski also manages strategic initiatives to improve scientific rigor, stakeholder engagement, readability, and effectiveness of BOEM's environmental analyses. She previously served as BOEM's subject matter expert on protected species and marine sound issues and managed the Division's compliance with environmental consultations. Prior to joining BOEM in 2005, Dr. Lewandowski worked as a marine biologist with the National Marine Fisheries Service and as a conservation programs administrator for the National Wildlife Federation.

**Michael Moore** is a veterinary scientist at the Woods Hole Oceanographic Institution. His focus is the diagnosis, effects, and prevention of shipping and fishing trauma on North Atlantic

right whale (NARW) survival and welfare. His recent book is 'We Are All Whalers'. He is currently assessing NARW health using aerial photogrammetry and working with a group of stakeholders to establish buoyless 'On-Demand' fishing systems as a viable tool to remove line from the water column.

**Doug Nowacek** is the Randolph K. Repass and Sally-Christine Rodgers University Distinguished Professor of Conservation Technology in Environment and Engineering. His lab's work combines research in marine mammal bioacoustics and behavioral ecology with the development of new tools for oceanographic research.

**Erica Staaterman**, Bioacoustician, Division of Environmental Assessment, Center for Marine Acoustics, works extensively on issues related to marine acoustics, impacts to marine species, and regulatory policies. She serves as the BOEM representative for several interagency efforts, including the White House's Office of Science and Technology (SOST) Interagency Working Group on Ocean Sound and Marine Life, as well as the International Offshore Petroleum Environmental Regulator's Marine Sound Working Group. Dr. Staaterman has studied bioacoustics for the last 12 years, first with invertebrates and fish, and now marine mammals. Her studies range from first descriptions of sound production in marine species to soundscape-level analyses of marine habitats to biophysical modeling and larval behavior. She has a B.S. in Biology from Duke University and a Ph.D. from University of Miami.

**Peter Thomas** is the Executive Director of the Marine Mammal Commission. Dr. Thomas joined the Commission in 2008 as International and Policy Program Director after a long career at the State Department and then at the US Fish and Wildlife Service. He earned his Ph.D. in Animal Behavior from the University of California, Davis, conducting research on southern right whales at Peninsula Valdés, Argentina under a Fulbright Fellowship.