

The Use of Limited Access Privilege Programs in Mixed-Use Fisheries

Committee

Bonnie J. McCay

Chair

Bonnie J. McCay is Distinguished Professor Emerita from Rutgers University in New Brunswick, New Jersey. Dr. McCay earned a Ph.D. from Columbia University in ecological anthropology. Her expertise is in the cultural anthropology of coastal fishing communities and mariner fisheries; interplay of law, culture, and environmental change; roles of cooperatives in fisheries businesses; history and socio-economic dimensions of LAPPs and other forms of quasi-privatization in marine fisheries; and adaptations to climate change in fisheries. She is a member of NAS and has served on numerous NRC committees, including the Committee on Ecosystem management and Sustaining Marine Fisheries and the Committee to Review Individual Fishing Quotas.

Joshua Abbott

Member

Joshua Abbott is Associate Professor of Environmental and Resource Economics in the School of Sustainability, Arizona State University, in Tempe, AZ. Dr. Abbott earned a M.A. in economics from the University of Washington and a Ph.D. in agricultural and resource economics from the University of California, Davis. His expertise is in resource economics, including the management of commercial and recreational fisheries.

Lee G. Anderson

Member

Lee G. Anderson is the Maxwell P. and Mildred H. Harrington Professor Emeritus of Marine Studies and Economics at the University of Delaware. He earned a Ph.D. in Economics from the University of Washington in 1970. Dr. Anderson has written or edited six books and over sixty scientific papers on fisheries economics and the economics of fisheries management. He is a past member of the Ocean Studies Board of the National Academies, and of the Executive Board of the Law of the Sea Institute past member and past chairman of the Mid-Atlantic Fishery Management Council, and past Board Member and President of the International Institute of Fisheries Economics and Trade and of the North American Association of Fisheries Economics. He has acted in an advisory capacity to National Marine Fisheries Service, and other Fishery Management Councils, the Atlantic States Marine Fisheries Commission, the U.S. Department of State, the Great Lakes Fishery Commission, U.S. General Accounting Office, the National Academy of Sciences, the World Bank, the Food and Agricultural Organization of the United Nations, the European Union, the Governments of New Zealand, Australia, Oman, Morocco, and Chile with respect to fisheries management and development. He has also received grants from the National Science Foundation, Sea Grant, National Marine Fisheries Service, Food and Agricultural Organization, United States Agency for International Development, and the Inter-American Development Bank. In 1993 he was awarded the University of Miami Rosenstiel Award for Contribution to Ocean Science for his theoretical and applied work on individual transferable quotas. In 2014, he was made a Fellow of the International Institute of Fisheries Economics and Trade.

Courtney Carothers

Member

Courtney Carothers is a professor of fisheries at the College of Fisheries and Ocean Sciences at the University of Alaska Fairbanks. Dr. Carothers earned her Ph.D. in environmental anthropology from the University of Washington. Her research explores the social and cultural dimensions of fishery and environmental systems, especially in the context of enclosure and privatization processes.

James H. Cowan, Jr.

Member

James Howard Cowan, Jr. is a Full Professor at the Louisiana State University in the Department of Oceanography and Coastal Sciences, the E.I. Abraham Distinguished Professor in Louisiana Environmental Studies, and Director of Fisheries Science and Assessment Graduate Certificate Program. Dr. Cowan obtained both a Ph.D. (Marine Science), and a Masters Degree (Experimental Statistics) while at LSU. He previously served on the 1999 Committee to Review Individual Fishing Quotas and the 2006 Committee on Ecosystem Effects of Fishing: Phase II -- Assessments of the Extent of Ecosystem Change and the Implications for Policy. He has published more than 150 papers in the academic literature, and is member of the American Fisheries Society, having served in multiple leadership positions for the organization. His professional interests include fisheries ecology, estuary-offshore coupling and predation, experimental statistics and design, biometrics and natural and artificial reefs in the Gulf of Mexico.

Josh Eagle

Member

Josh Eagle is the Solomon Blatt Professor of Law and the Director of the Coastal Law Field Lab at the University of South Carolina. He is a graduate of the Johns Hopkins University (B.A., Humanities), Colorado State University (M.S., Forest Sciences), and Georgetown University (J.D.), and he began his legal career at the United States Department of Justice. Professor Eagle has published on a wide range of topics, including coastal land use, fisheries, public lands, conservation easements, and endangered species. He has been named an Atlantic Fellow in Public Policy, a Fulbright Scholar, and an international research scholar at the Peter Wall Institute for Advanced Studies. Professor Eagle has previously served on a NRC committee focused on techniques for measuring natural resource damages resulting from the 2010 BP Deepwater Horizon oil spill.

Timothy Essington

Member

Timothy Essington is currently a Professor at the University of Washington School of Aquatic and Fishery Sciences and serves as director of the university's Quantitative Ecology and Resource Management Interdisciplinary graduate program. Dr. Essington earned a Ph.D. from the University of Wisconsin-Madison in Zoology. His expertise is quantitative modeling and statistics, fisheries ecology, and application of ecological principles to management – relevant questions. He has published multiple peer reviewed papers examining the ecological responses of fishery systems to the implementation of catch share programs.

Sherry Larkin

Member

Sherry Larkin is currently the interim director of the Florida Sea Grant College Program, Associate Dean for Research, and professor in the Food and Resource Economics Department at the University of Florida, Institute of Food and Agricultural Sciences (UF/IFAS). Dr. Larkin earned a Ph.D. from Oregon State University in agricultural and resource economics. Her expertise is in natural resource economics, especially using stated and revealed preference analysis (including non-market valuation and marketing applications to labeling of wild caught fish) and using bioeconomic modelling to evaluate fisheries management regimes and policies.

Steven A. Murawski

Member

Steven Murawski is Professor and Peter Betzer Endowed Chair of Biological Oceanography in the College of Marine Science at the University of South Florida. His research group aims to understand the impacts of human activities on the sustainability of ocean ecosystems. He has developed approaches for understanding the impacts of fishing on marine fish complexes exploited in mixed-species aggregations, with the goal to help inform investments to rebuild the Gulf of Mexico from effects of the Deepwater Horizon Oil Spill, loss of nursery areas, nutrient enrichment, and overfishing. Dr. Murawski serves as Director of the Center for Integrated Analysis and Modeling of Gulf Ecosystems, is a USA Delegate of the International Council for the Exploration of the SEA, and is a member of the National Academy of Sciences' Ocean Studies Board, in addition to being appointed to serve on the committee for Decadal Survey of Ocean Sciences 2015. He received a B.S. and M.S. in Fisheries Biology and a Ph.D. in Fisheries and Wildlife Biology from the University of Massachusetts at Amherst.

Sean P. Powers

Member

Sean Powers is a professor and chair of marine sciences at the University of South Alabama and senior marine scientist at the Dauphin Island Sea Lab. He currently serves on the Gulf of Mexico Fishery Management Council's Standing Science and Statistical Committee having previously served as vice-chair and chair of the Committee. He also serves on the board of the State of Alabama's Forever Wild, the Alabama Land Trust. In 2012, Dr. Powers was named Chair of the Department of Marine Sciences and in 2017 the Angelia and Steven Stokes Endowed Chair in Environmental Resiliency. During the damage assessment process after Deepwater Horizon, he served as a lead Principal Investigator for the nearshore environment. Dr. Powers served on both the National Academies' Committee on U.S. Army Corps of Engineers Water Resources, Science, Engineering, and Planning: Coastal Risk Reduction, and the Committee on the Review of Marine Recreational Information Program (MRIP). Currently, he is serving on the Committee on Data and Management Strategies for Recreational Fisheries with Annual Catch Limits. The majority of Dr. Powers' research is focused on demersal fishes and benthic invertebrates in coastal and estuarine systems, particularly those that support commercial and recreational fisheries, with a primary focus on the interface of ecology, fisheries and socioeconomics. Dr. Powers completed a SeaGrant John Knauss Marine Policy Fellowship at the National Science Foundation (1997-1998) and a post-doc at the University of North Carolina at Chapel Hill (1999-2002). He attended Loyola University (BS with Honors, 1990) and the University of New Orleans (MS, 1992), and received his Ph.D. in Zoology from Texas A&M University in 1997.

Martin D. Smith

Member

Martin D. Smith is the George M. Woodwell Distinguished Professor of Environmental Economics in the Nicholas School of the Environment at Duke University. He earned a PhD at University of California, Davis in Agricultural and Resource Economics (2001) and a BA at Stanford University in Public Policy (1992). Smith studies the economics of the oceans and has published research on fisheries and aquaculture, ecosystem-based management, genetically modified foods, the global seafood trade, and coastal climate change adaptation. He has served on the Scientific and Statistical Committee of the Mid-Atlantic Fishery Management Council, as Editor-in-Chief of the journal Marine Resource Economics, and as a member of the Ocean Studies Board of the U.S. National Academies of Sciences, Engineering, and Medicine for two three-year terms. He also served on the National Academies study committee, Understanding the Long-Term Evolution of the Coupled Natural-Human Coastal System: The Future of the U.S. Gulf Coast. He is currently a Features Editor for Review of Environmental Economics and Policy and serves on the editorial boards of the Journal of Environmental Economics and Management and the Journal of the Association of Environmental and Resource Economists. Smith has published extensively, including works in The American Economic Review, Nature, Science, and Proceedings of the National Academy of Sciences. Smith has made appearances on NPR and BBC Radio to discuss seafood issues and has received national and international awards, including an Aldo Leopold Leadership Fellowship. His research has been funded by the National Science Foundation and National Oceanic and Atmospheric Administration.

Tracy Yandle

Member

Tracy Yandle is an associate Professor of Environmental Sciences at Emory University in Atlanta, GA. She also serves on the Scientific and Statistical Committee (SSC) and the Socio-Economic Panel (SEP) for the South Atlantic Fisheries Management Council. Dr. Yandle earned a Ph.D. in Public Policy (joint degree with the School of Public and Environmental Affairs and the Political Science Department). Her research focuses on the interaction of property rights and governance arrangements in order to understand how policy changes individuals' incentives and thus their behavior. This is Dr. Yandle's first interaction with the NAS.