

Advisory Board Bios

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Terry Alexander has fished for over 40 years, running his 62-foot trawler F/V Jocka for Gulf of Maine groundfish and squid down into the Mid-Atlantic waters. His other boat, the F/V Rachel T, can harvest northern shrimp, gillnet for groundfish in the late summer and winter, and monkfish in waters off Rhode Island. Terry has hosted significant cooperative research on both boats, from Nordmore grate work in the northern shrimp fishery to the industry-based cod survey for the State of Massachusetts in the Gulf of Maine. He was appointed to the Mid-Atlantic Fishery Management Council in 2009, served a term, and then was appointed to three terms on the New England Fishery Management Council from 2012 to 2021. Terry was the co-chair of the Fisheries Working Group for the Maine Offshore Wind Roadmap, in addition to serving on the board of the Responsible Offshore Development Alliance.

Alison Bates is an Assistant Professor of Environmental Studies at Colby College. Dr. Bates researches social acceptance of renewable energy systems and implements an equity and justice framework to inform decision-making in the energy transition. Dr. Bates has more than a decade of experience researching on offshore wind development, and the possibilities for technical solutions to social challenges with floating wind. She has worked on national energy policy with U.S. Senator Coons to develop markets and policies for renewable energy infrastructure along the Atlantic Outer Continental Shelf and served in an advisory role with energy markets planning in Maine with state agencies, NGOs, and industry. She earned her Ph.D. in Marine Policy at the University of Delaware Center for Carbon-free Power Integration and has many years of experience in the non-profit sector in environmental education and public land conservation.

Damian Brady is an Associate Professor in the University of Maine's School of Marine Sciences working out of the Darling Marine Center in Walpole, ME. Dr. Brady has been the environmental monitoring lead for the University of Maine's Offshore Wind program since 2009. His research focuses on connecting human activities as varied as offshore wind development, aquaculture, and coastal land uses with marine ecosystems and habitats using observations and models. Specifically, Dr. Brady is applying state of the art oceanographic tools, such as remote sensing, numerical models, and oceanographic buoys, to decision making regarding the sustainable use of marine ecosystems. He recently participated on the Maine Offshore Wind Roadmap Environment and Wildlife Working Group.

Jack Clark is the Sustainable Energy Coordinator and Offshore Wind Liaison for the Penobscot Nation Department of Natural Resources. An alumnus of the University of Maine Advanced Structures and Composites Center, Jack joins the research consortium with a M.S. in ocean engineering and a background in sustainable power generation, microgrid design, and energy technology research. A lifelong Mainer and environmentalist,

Jack has spent his career working to advance renewable energy knowledge and adoption through scientific investigation and community education. When he isn't at the office, Jack can be found working in his garden full of native plants or taking advantage of one of Maine's many natural wonders.

Jack Cunningham has held a Maine lobster license since 1970, first working with his father as a sternman or captain, then fishing his own boat since 1980. After graduating from Maine Maritime Academy, Jack split his time between working as a merchant marine sailing offshore for six months and returning home for the summer and fall to fish. During his 37-year career in the US Merchant Marine, he worked as a deck officer on multiple types of vessels including OSV, bulk ships, tankers, and roll-on/roll-off, to name a few. Jack retired from shipping in 2017 with the USCG license of Master, oceans, unlimited. He currently fishes a 40' lobster boat, F/V Beth Said Yes which is homeported in Bar Harbor. Jack is a member of the Maine Lobstering Union and participated on the Maine Offshore Wind Roadmap Fisheries Working Group.

Julian Fraize is a Technical Solutions Manager at ABB specializing in maritime electrification and sustainable marine technologies. In his current role, he works with vessel owners, shipyards, and industry stakeholders to develop and implement advanced electrical and hybrid propulsion solutions for the marine sector. Julian has a professional and educational background in Naval Architecture and Marine Engineering. He received a Bachelor's degree in Naval Engineering and a Master's degree in Ocean Engineering from Stevens Institute of Technology. Prior to joining ABB, Julian served as a Program Manager with the National Offshore Research and Development Consortium, where he managed offshore wind research initiatives, provided technical oversight of funded projects, and supported stakeholder engagement efforts across multiple states.

Wing Goodale is the Senior Science Director at Biodiversity Research Institute (BRI) and adjunct research faculty at the University of Maine. His research is focused on the interaction of wildlife with offshore wind energy. Goodale has in-depth knowledge of the cumulative effects, offshore wind farm wildlife literature, and environmental assessments. At BRI, Goodale takes a leadership role in developing organization-wide projects, making strategic decisions, facilitating daily operations, and managing over 40 employees. He has conducted or managed more than 80 conservation biology projects. He was the PI on a Department of Energy funded project that developed a stereo-optic camera system to track birds and bats around wind turbines. Goodale has served on municipal committees, environmental nonprofit boards, professional boards, and college boards, including the governor appointed Maine Board of Environmental Protection, and was co-chair of the Maine Offshore Wind Roadmap Environment and Wildlife Working Group.

Sarah Haggerty has worked as a Conservation Biologist/GIS Manager at Maine Audubon since 2016, focusing primarily on habitat connectivity and responsibly developed renewable energy. Her work includes creation of the [Renewable Energy Siting Tool](#), and participation on the Maine Offshore Wind Roadmap Environment and Wildlife Working Group. Sarah's undergraduate work at Bowdoin College included a year away studying

marine ecology, and her graduate work at UMass Amherst focused on the improvement of rare insect habitat through forestry and habitat management. Her professional career includes working for the US Forest Service to reduce forestry impacts on bird species, for the California Department of Fish & Game to reduce fish entrainment, and for the Massachusetts Natural Heritage and Endangered Species Program in a variety of positions balancing land use and rare species needs.

Nathanael Kutz is a maritime professional with experience in offshore operations, vessel management, maritime labor, and coastal infrastructure development. Nathanael currently supports the U.S. Navy as a program lead for multiple maritime infrastructure projects in remote, foreign environments. Nathanael has experience managing contracted commercial vessels and serving as a liaison between commercial operators, U.S. Navy commands, and government stakeholders to coordinate mission requirements and vessel operations. Nathanael actively sails as a licensed merchant mariner on multiple classes of vessels, managing a wide range of cargo operations and supporting complex heavy-lift evolutions, offshore rigging, and crane operations. When Nathanael is not serving on active-duty Navy orders, he works on offshore supply vessels supporting the deepwater energy sector. Nathanael also has experience as a senior planner at Bath Iron Works, supporting large-scale production, material flow, and the movement of major components through constrained industrial spaces. Nathanael holds a master's degree in Project Management from the Roux Institute at Northeastern University, a bachelor's degree in Intermodal Transportation and Logistics from the United States Merchant Marine Academy, and maintains an Unlimited Tonnage Chief Mate Merchant Mariner Credential.

Brian LeFebvre is a Maine-based professional who previously served 20-plus years in the U.S. Coast Guard most recently as Captain of the Port in South Portland. Brian has worked with officials across the state and managed risk, operations, and strategy in complex organizations, operations, and capital-intensive projects. Following his Coast Guard service, Brian worked for TotalEnergies as its Marine Affairs Manager for two U.S. offshore wind projects in New York and New Jersey. In his role, they attained two power purchase agreements and developed a federal Construction and Operations Plan for BOEM. Brian is comfortable helping organizations translate uncertainty into actionable insights. In addition to his professional experience, Brian brings a personal connection to Maine's coastal communities and a strong appreciation for the state's working waterfronts, maritime heritage, and evolving energy landscape.

Ben Martens is the Executive Director of the Maine Coast Fishermen's Association (MCFA), a fishermen-led non-profit that identifies and fosters ways to restore the fisheries of the Gulf of Maine and sustain Maine's iconic fishing communities for future generations. Executive Director since 2011, Ben has transformed MCFA into a nationally recognized leader for fisheries stewardship and fishing community preservation. He has extensive experience and expertise in fisheries policy and fisheries management at the state, regional, and national level. Ben serves on the New England Fishery Management

Council's Scallop Advisory Panel and is the Chairman of the Groundfish Advisory Panel. At the national level, he is a leading member of the Fishing Communities Coalition which successfully advocated for the Young Fishermen's Act passed by Congress in 2020 and recently funded for FY23. He was also a participant on the Maine Offshore Wind Roadmap Fisheries Working Group. Ben is a graduate of Bowdoin College where he pursued government and legal studies along with environmental studies and was the recipient of the prestigious Rusack Research Fellowship and Luce Research Fellowship.

Frederick Moore is the Sustainable Energy Coordinator and Offshore Wind Liaison at Pleasant Point Passamaquoddy Reservation. Formerly employed as a Program Analyst with the U.S. Bureau of Indian Affairs, Office of Trust Services, Division of Energy and Mineral Development, where he worked on value-added community benefit associated with energy and mineral development within Native American Indian Communities in the United States. He was previously a Program Analyst with the U.S. Department of the Interior, Office of the Assistant Secretary- Division of Indian Energy and Economic Development, where his primary role was tribal economic development.

Laura Morse is the US Permit Program Manager for Mainstream Renewable Power supporting the U.S. market as well as the global portfolio as a strategic advisor. Laura has 25 years of experience as a marine biologist and regulatory specialist, with a focus on marine mammal science, ocean policy and management. She has worked in the offshore wind industry since 2017 supporting the development of 6 major offshore wind projects during her 5 years at Ørsted North America. Through Ørsted, she funded over \$10 million dollars in marine mammal research initiatives including the ECO-PAM project ([Orsted ECO-PAM \(axds.co\)](https://axds.co)) and advanced the first offshore wind industry data sharing agreement with NOAA that was signed in 2021. Laura has been actively involved in the advancement and standing up of the RWSC and currently sits on the marine mammal sub-committee. She is also involved in NYSERDA's Environmental Technical Working Group and Massachusetts's offshore wind work groups.

Walt Musial is a principal engineer and leads the offshore wind research platform at NLR, where he has worked for 31 years. In 2003, he initiated the offshore wind energy research program, which focuses on a range of industry needs and critical technology challenges. Musial also developed and ran NLR's full-scale blade and drivetrain testing facilities for 15 years. Earlier, Musial worked as a test engineer for five years in the commercial wind energy industry in California. He has authored more than 100 publications and holds two patents.

Chris Payne is a Massachusetts native and South Portland resident who has worked from coast to coast—California to Florida to New England. Chris has a Bachelor of Science in marine biology from the University of New England. For the past 22 years Chris has worked in the areas of marine science research, aquariums, conservation, education, fisheries, and aquaculture. Chris earned a Master of Science in Leadership, Nonprofit Management from Northeastern University to focus on strengthening nonprofits within the science community. Chris also serves on local South Portland boards such as the

Conservation Commission and Comprehensive Planning Committee. Chris started at the Maine Lobstermen's Association in October as Associate Director. Prior to that, Chris entered into the lobster industry as the biologist for Inland Seafood in South Portland, overseeing their live holding facilities in Maine and throughout the southeast.

John Perry is the Environmental Review Coordinator for the Maine Department of Inland Fisheries and Wildlife (MDIFW). With a BS degree in Biology from the University of Maine, he worked as a biologist with Central Maine Power Company conducting fisheries, wildlife, and botanical impact studies associated with the Federal Energy Regulatory Commission (FERC) relicensing of hydroelectric facilities. John joined the Maine Department of Environmental Protection in 2001, followed by almost two years with the Department of Marine Resources as the Project Leader for the Kennebec River Watershed Diadromous Fish Restoration Project. John spent nine years at the Department of Transportation as the lead biologist recommending, assessing, and mitigating fish and wildlife impacts and incorporating connectivity passage measures statewide. Since 2013, John has worked at MDIFW coordinating the statewide environmental impact reviews of approximately 1,200 projects annually. He also serves as the FERC coordinator for MDIFW and as the Department's Offshore Wind liaison, most recently serving as a co-chair of the Maine Offshore Wind Roadmap Environment and Wildlife Working Group.

Rebecca Peters has worked at the Department of Marine Resources Bureau of Marine Science since 2018. For the first five years at the Department Rebecca led the Maine-New Hampshire Inshore Trawl survey and also led the development of the trawl survey in Maine's Floating Offshore Wind Research Array. She had been a lead and co-PI on various collaborative projects and serves on various state and federal working groups. Since 2023 she has directed the Bureau's Ecology and the Environment Division. This division has diverse research programs, which includes DMR's offshore wind research program, aimed at increasing their understanding of the Gulf of Maine ecosystem.

Grant Provost has been a Union Ironworker for 26 years, gaining extensive firsthand experience in the construction of large-scale energy and infrastructure projects. Union Ironworkers have been involved with every commercial wind farm built in the United States and the first floating offshore wind turbine erected in Castine, Maine. For the past seven years, Grant has served as a Business Agent representing Union Ironworkers and advancing the interests of organized labor. Grant currently serves as Recording Secretary for the Maine State Building and Construction Trades Unions, Vice President of the Maine AFL-CIO, and a member of the Sierra Club Maine Executive Committee as well as their political committee. In addition, Grant serves on the Maine State Workforce Board, the Western and Central/Western Maine Workforce Board, the state's Construction Wage Advisory Board, Ironworkers Local 7 Executive Board, and previously the AFL-CIO Executive Board before becoming Vice President. Grant's work also includes selecting and organizing new apprentices for the apprenticeship program, ensuring strong workforce development pipelines for the next generation of skilled tradespeople. Grant has also contributed to offshore wind policy and research as a member of the OSW Research Board (2 years) and currently serves on the Climate Jobs National Resource Center Board, as well

as the NE4OSW and ME4OSW Steering Committees.

Ryan Raber was born in Alaska and raised in the commercial fishing industry, which led to fishing experience across New England, Europe, and the Pacific Northwest. Ryan's background includes midwater trawling, purse seining, and fixed-gear fisheries. He currently has interests in the Alaska wild pollock fishery and the New England herring and mackerel fishery in harvesting and shore-side processing operations. In addition to fishing, much of Ryan's career has been spent working as a marine engineer. Ryan's work has included vessel construction along with the design and modification of electrical, refrigeration, and propulsion systems. Through this work, Ryan has developed a strong understanding of both marine and large-scale shoreside electrical systems. A significant portion of Ryan's work also involves U.S. fisheries management and regulatory processes, which have involved him in many discussions surrounding offshore wind development in the Gulf of Maine. Most recently, Ryan spent a week in Scotland observing how government agencies, wind developers, and the fishing industries work together to manage offshore wind development alongside active fisheries.

Jess Reilly-Moman, PhD, is an environmental social scientist and community engagement expert based in Bristol, Maine. For the past twenty-five years, Jess has led and worked with diverse teams and projects in the Americas, Europe and Africa to balance development with natural resource conservation and human well-being. Jess uses participatory methods, stories and collaborations that move climate projects towards more equitable, transparent and measurable outcomes. She has supported engagement across multiple complex and challenging conversations, including a national assessment of the effectiveness of nature-based strategies to meet coastal adaptation needs and convening technical experts across sectors for Maine's definitive climate science report. For the past seven years, Jess has worked directly with Maine's coastal communities to build climate resilience and develop clean energy solutions. Her toolkit of innovative and mixed methods approaches is founded on authentic listening and honoring the dignity of all people and ecosystems both at and missing from the table.

Daniel Salerno has been actively engaged in marine science and biology through his education, work, and research since 1992. He has worked directly with the commercial fishing industry in various capacities as a mate on a fishing vessel, fisheries biologist, research technician, collaborative research associate, and, currently, as a sector manager and independent fisheries scientist. Daniel manages two groundfish sectors and has been involved with sector management since its broad-scale implementation in 2010. He is a supporter of conservation and management of living marine resources based on sound science that balances the biological needs of the resources and the social and economic needs of the fishing industries that rely on those resources. Daniel was recently appointed to the New England Fisheries Management Council, and also serves on the ROSA Advisory Council and the Harbor Porpoise Take Reduction Team. He has a B.S. in marine biology from Long Island University – Southampton and a M.S. in marine biology from the University of Massachusetts – Dartmouth.

Captain Ian J. Sawyer is a Maine native and a Registered Maine Guide with four endorsements: *Recreation, Specialized Hunting, Specialized Freshwater Fishing, and Specialized Tidewater Fishing*. Captain Ian has a degree in culinary arts, however, the last few years, he has been working towards fulfilling a lifelong dream to start a guide business of his own, which better aligns with his passion for the outdoors. Ian has spent the majority of his life chasing stripers along the coastline from Kittery to Bath and became a USCG licensed Captain with his 25 Gross Ton Masters in the winter of 2023. Ian enjoys building and repairing cedar strip canoes that he uses up north on the Allagash Wilderness Waterway. In his spare time, you can find Ian hunting, fly fishing, surfcasting for striped bass along the coast of Maine, and spending time in Rangeley at Saddleback with his wife, Megan and their two boys, Jackson and Richmond.

Graham Sherwood is a Senior Research Scientist at the Gulf of Maine Research Institute with 20+ years of experience conducting research on the biology and ecology of commercial fishery species in the northeast Atlantic including Atlantic cod, haddock, monkfish, and Atlantic herring. He uses a variety of tools to examine feeding, growth, reproduction, habitat associations, movement and stock structure of these species for input into assessment models and management decisions. His recent research has been heavily focused on active acoustic (sonar) surveys of pelagic fish species (primarily herring) to understand distribution/abundance patterns and how this is impacted by warming trends in the Gulf of Maine. He is also currently involved in a study to pair acoustic surveys of pelagic species with environmental DNA (eDNA) sampling for the purpose of validating eDNA as a fisheries assessment tool. In addition to this work, Sherwood participated on the Maine Offshore Wind Roadmap Environment and Wildlife Working Group and is engaged with the Maine Department of Marine Resources to conduct acoustic and eDNA sampling in the Maine Floating Offshore Wind Research Array.

Geoffrey Smith is the Marine Program Director for The Nature Conservancy in Maine. Geoff is responsible for overseeing all aspects of the Maine Chapter's marine conservation program, including developing annual workplans, designing and implementing marine conservation strategies and developing and maintaining productive partnerships with key stakeholder groups. Geoff's other key responsibilities include supporting the marine conservation initiatives at the Gulf of Maine and North America scale, advancing marine science, and influencing ocean and coastal policies at the state, regional and national level.

Geoff has over 20 years of professional experience in natural resource management with an emphasis on watershed management and fisheries. He joined The Nature Conservancy in February 2006 and served as Staff Lead for TNC's Gulf of Maine Whole System Conservation Team. He currently serves on TNC's North America Region Fisheries Community of Practice and Ocean Conservation Working Group. He also currently serves as a voting member of the New England Fishery Management Council, as a member of the U.S. delegation to the Northwest Atlantic Fisheries Organization, as a member of the Maine Coast Community Groundfish Sector Board of Directors, and as a member of the Maine

Sea Grant Program Advisory Committee.

Kanae Tokunaga, Ph.D., is a Senior Scientist in Coastal and Marine Economics at the Gulf of Maine Research Institute (GMRI). She has expertise in natural resource economics and ecological economics, and her research focuses on fisheries and aquaculture economics and management, climate resilience and transformative change, and coastal and marine ecosystem services. Prior to joining GMRI in 2019, she received a Ph.D. in Economics and Graduate Ocean Policy Certificate from the University of Hawai'i and worked as a researcher at the University of Tokyo on a project that investigated consensus building approaches for marine spatial planning and offshore wind development.

Mary Beth Tooley represented the State of Maine as an at-large member of the New England Fishery Management Council from 2008-2017. She is currently the government relations representative for the O'Hara Corporation of Rockland, ME, a family-owned company with diverse fisheries interest from the North Atlantic to the Bering Sea. Mary Beth also is the former executive director of the East Coast Pelagic Association. Additionally, she is a principal in the Marine Resources Education Project, a federally-funded fisheries education and outreach effort organized in partnership with the Gulf of Maine Research Institute. The project provides fishermen with the necessary tools to understand and participate in the region's scientific and management processes. She serves as an industry advisor to the Gulf of Maine Research Institute and the Atlantic States Marine Fisheries Commission. Mary Beth is an incorporation board member of the Responsible Offshore Development Alliance and the Responsible Offshore Science Alliance and participated on the Maine Offshore Wind Roadmap Fisheries Working Group.

Anthony M. Viselli is the Chief Engineer for Ocean Energy Programs at the University of Maine's Advanced Structures and Composites Center. Dr. Viselli has nearly 20 years of experience in the research design, testing, and construction of marine and offshore structures, including 12 years of floating wind energy experience. In 2013, he led deployment of the US Department of Energy VoltturnUS 1:8, a floating concrete semi-submersible hull, designed and patented at UMaine. He currently leads the design and engineering efforts for New England Aqua Ventus I, a single turbine 11 MW floating offshore wind demonstration project using the VoltturnUS. He leads a team of over 45 engineers, technicians, and staff dedicated to floating offshore wind R&D.

Stephanie Watson is the Manager of Energy Supply and Security for the State of Maine in the Department of Energy Resources. Watson currently leads development of the Offshore Wind Roadmap that seeks to create an offshore wind industry that works for Maine's people, Maine's economy, and Maine's heritage. Topics of focus include the alignment of offshore wind energy research and technology development, policy, supply chain and workforce opportunities, energy markets, and co-existence with fisheries and the environment. She has worked at the interface of the ocean and economy for the last 25 years in coalition-building roles in government and the private sector. Watson has M.S. degrees in Ecology and Environmental Science and in Spatial Information Science &

Engineering from the University of Maine.

Trevor White is the Assistant Environmental Director for the Indian Township Passamaquoddy Tribe. Having worked for the tribe for nearly 30 years, his focus has been on baseline water quality monitoring, air quality, environmental assessments and grant writing while dealing with a host of other tribal environmental issues too numerous to list.

Ann Zoidis has an extensive professional background. She is an expert in wildlife research (avian, terrestrial and marine wildlife), has published much of her findings, and brings 28 years of experience as an environmental professional and environmental consultant addressing NEPA documentation and Section 7 consultations. She has over 35 years of marine mammal research experience and has participated in or managed field projects and surveys in remote areas as well as in Maine since 1992. Ms. Zoidis is the Principal Investigator on her own NMFS marine mammal research permit, holding permits since 2003 in both the Pacific and Atlantic waters. Her training and experience include being a certified marine mammal observer (MMO/PSO); leading vessel, aerial, and shore-based research; underwater video data collection of humpback whales; PAM studies with hydrophones, sonobuoys, and arrays; drone/biopsy/ tagging; and photo-ID studies. Many of her projects for Federal or State-agencies have been systematic line transect vessel- or aerial-based surveys for baseline data collection of marine wildlife to inform wind energy developers and regulatory managers in setting policy. Data from these studies has assisted in right whale conservation efforts, contributed to marine mammal habitat-based density cetacean and sea turtle density models, and supports environmental planning and early permitting efforts for several offshore wind projects along the east coast. Ms. Zoidis has lived in Maine since 1983.

Gayle Zydlewski is the Director of the Maine Sea Grant College Program and Professor of Marine Sciences with the UMaine School of Marine Sciences. She has more than 20 years of academic experience as a researcher and faculty member. As Director of Maine Sea Grant she provides leadership and programmatic oversight for all aspects of the Maine Sea Grant College Program. The position represents the University through collaboration and partnerships with the academic and research community in Maine and beyond, with in-state stakeholders, and with out-of-state and national institutions, such as the Sea Grant Association and NOAA. In her SMS role, Dr. Zydlewski continues research to understand the impacts of environmental conditions on fish behavior, physiology, and their relationship with population dynamics, including research on shortnose and Atlantic sturgeon of the Gulf of Maine as well as studying the environmental effects of tidal power development. She has authored and co-authored more than 100 papers in journals and conference proceedings and participated on the Maine Offshore Wind Roadmap Environment and Wildlife Working Group.