



Protecting the Common Waters of the Great Lakes Basin
Through Public Trust Solutions

Michigan Groundwater Table Members

Judith Allen is director of Government Relations for MTA and oversees the association's advocacy efforts at the state and federal levels. Judy has served in this role since joining MTA in 2012 working on appropriations, finance, taxation, infrastructure, and local government policy issues. Previous experience includes working in Senate Leadership positions, as a member of the Michigan Liquor Control Commission, and representing an intermediate school district and school districts as well as state and local governments.

Matt Bolang is the Deputy Health Officer and Director of Environmental Health for the Livingston County Health Department. Throughout his 23 year career he has provided oversight to various water resource related fields, including onsite wastewater, groundwater monitoring, water well construction, recreational water quality, and stormwater management. Matt is the recent Past-President of the Michigan Association of Local Environmental Health Administrators (MALEHA) and currently serves at the co-chair of the Onsite Wastewater and Land Use committee. He has represented MALEHA in past discussions with legislators and stakeholders regarding Statewide Sanitary Code draft bills. Matt received his BS in Natural Resources from the University of Michigan and MS in Public Administration from Central Michigan University.

Deena Bosworth joined MAC in 2011 and became director of governmental affairs in December 2013. Bosworth previously served as director of legislative relations for the Michigan Attorney General's Office, as assistant county administrator with the Charlotte County Board of Commissioners in Florida and as legislative director and senior policy adviser for the Michigan House Republican Caucus. She has a B.A. in anthropology from Western Michigan University.

James Clift is a Deputy Director at the Michigan Department of Environment, Great Lakes and Energy where he oversees policy and engagement work for the department. Within his group are the Offices of Climate and Energy, Great Lakes, Environmental Justice Public Advocate, Clean Water Public Advocate, Legislative Affairs and Communications. Prior to joining the department, he served as the Policy Director at the Michigan Environmental Council for 20 years. He started his environmental policy career as an Environmental Policy Analyst at the Michigan Senate. He is a graduate of Central Michigan University and Wayne State University Law School.

Dave Dempsey has 35 years' experience in environmental policy. He served as environmental advisor to former Michigan Governor James Blanchard and as policy advisor on the staff of the International Joint Commission. He has also provided policy support to the Michigan Environmental Council and Clean Water Action. He has authored several books on the Great Lakes and water protection.

Christine Flaga retired from the Remediation and Redevelopment Division (RRD) of the EGLE in 2019 after 36 years working as a toxicologist for the DNR, DEQ, and EGLE. She was the supervisor for the Toxicology Unit of RRD for most of her career where she was responsible for developing and maintaining the Part 201 Cleanup Criteria of NREPA (Natural Resources and Environmental Protection Act). The Toxicology Unit is responsible for reviewing site-specific cleanup criteria and risk assessments submitted to the Department by parties responsible for environmental contamination and for updating and maintaining those sections of Part 201 (Environmental Remediation) related to public health risks of environmental contamination.

Dave Hamilton's entire professional career focuses on preserving and managing water resources in the Great Lakes region. He has thirty four years' experience developing and implementing water policy and managing water resource programs in the Michigan DNR and DEQ. He is one of the principal developers of Michigan's Water Withdrawal Assessment Tool and responsible for implementing the assessment process. The Assessment Tool is designed to evaluate the likely impact of water withdrawals on stream fish populations. It is a unique combination of hydrologic, well hydraulics, and fish response models. After retiring from DEQ, Dave worked nine years as a Senior Policy Director for The Nature Conservancy (TNC). He provided leadership in developing TNC's Great Lakes Project aquatic invasive species strategy and worked closely with partners to develop scientifically sound and ecologically protective aquatic invasive species policy. Dave is currently a member of the Michigan Water Use Advisory Council (appointed by Governor Whitmer), and the Michigan Environmental Permit Review Commission (appointed by Governor Snyder).

Andrew Hogarth retired from a 40 year career with the Michigan Departments of Natural Resources (DNR) and Environmental Quality (DEQ). While a college student he worked in the Fisheries and Parks Divisions. However, for most of his career he developed and managed the Department's contaminated site investigation and cleanup programs, retiring as Chief of DEQ's Remediation and Redevelopment Division. He received a Lifetime Achievement Award from the Michigan Association of Environmental Professionals when he retired in 2009. He currently serves as an advisor to FLOW. Andy lives on Elk Lake and serves on the Board of the Elk-Skegemog Lakes Association. He enjoys sailing, fishing, golf, pickleball, time with family, and managing his 40 acre tree farm in Grand Traverse County.

Juan Jhong-Chung, born in Ica, Peru, is the Policy Associate at Michigan Environmental Justice Coalition. In his current role, Juan is in charge of research and analysis of climate and environmental policy using justice and decolonization frameworks. He holds a master's degree in Environment and Sustainability from the University of Michigan. He is currently finishing a second master's degree in Urban and Regional Planning. Juan is an outspoken student leader and climate justice activist fighting environmental racism and corporate greenwashing.

Kelly Karll is Manager of Environment and Infrastructure programs and a certified professional engineer with the Southeast Michigan Council of Governments. She has over 26 years of experience in municipal engineering, regulatory programs, consulting, and regional planning. She led the development of the Water Resources Plan for Southeast Michigan and is currently leading the region's water asset management and infrastructure coordination activities. In 2017, she was Michigan Water Environment

Association's Watershed Management Professional of the Year. She has managed millions in grants over the span of her career, including grants from federal and state agencies and local foundations. Kelly received her bachelor's degree in Civil engineering and her Master's in Environmental Engineering, both from Michigan State University.

Anthony Kendall has focused on regional-scale landscape hydrology, examining the terrestrial hydrologic cycle and its relationship to climate, vegetation, and biogeochemical cycles. Kendall co-developed the Landscape Hydrology Model (LHM), an integrated modeling tool to study large-scale, fine-resolution hydrologic processes using modest computational tools. Partly due to the challenge of providing fine-resolution inputs at regional scales, and because of the importance of the questions at those scales Kendall has become involved in all aspects of "big data" discovery, processing, and analysis. This includes using machine learning algorithms to yield insights into environmental phenomena and to better prepare inputs for process-based models.

Liz Kirkwood is executive director of FLOW (For Love of Water), a non-profit based in Traverse City, Michigan, dedicated to protecting the public waters and ecosystems in the Great Lakes Basin. As an environmental attorney for over 20 years, Liz develops and oversees FLOW's work on key Great Lakes environmental policies designed to promote healthy ecosystems, thriving communities, and access to safe, clean, affordable water for all. Often testifying or speaking before public bodies, she makes frequent presentations to community organizations and professional audiences on Great Lakes issues from Line 5 to water justice and infrastructure financing to water privatization to climate change. Previously, Liz worked as an environmental lawyer at Farella, Braun + Martel in San Francisco and then for USAID in Thailand on environmental governance and water and sanitation issues. Liz graduated from Williams College with a degree in Environmental Studies and History and received her JD and Environmental Certificate from Lewis & Clark Law School. Liz currently serves as a member of the International Joint Commission's Water Quality Board.

Nick Occhipinti joined the Michigan League of Conservation Voters in January of 2018 bringing years of experience in policy, politics, and advocacy. Before spending the 2015-2017 school year in Spain learning Spanish and teaching, he served for six years as the Policy and Community Activism Director for the West Michigan Environmental Action Council (WMEAC). Nick has a broad range of environmental policy experience having worked as a staffer for the Chair of Hawaii's State Senate Energy and Environment Committee, in Lansing for the Granholm administration, and at the Rocky Mountain Institute — an energy think and do tank. He has also worked directly in communities as a field organizer for the Obama campaign in 2008 and as a Corps Member for AmeriCorps' National Civilian Community Corps. He is a graduate of the University of Michigan with a degree in Political Science and a Masters degree in Public Policy.

Stanley "Skip" Pruss is an attorney and energy consultant and co-founder of 5 Lakes Energy LLC. Skip was the Director of the Michigan Department of Energy, Labor and Economic Growth and Michigan's Chief Energy Officer and also served as Governor Jennifer Granholm's Special Advisor for Renewable Energy and the Environment. Prior to that, Skip was the Deputy Director of the Department of Environmental Quality.

Herasanna Richards is a Legislative Associate for the Michigan Municipal League where she handles energy, environmental, elections and public safety issues on behalf of Michigan cities and villages. Herasanna leads the League's efforts to support coastal resiliency after the devastating impact of cyclical shoreline erosion and high waters. She has also participated in the Solid Waste Advisory Workgroup to update Michigan Part 115 materials management policy and the development of Michigan's PFAS Drinking Water Standards. Herasanna attended Michigan State University earning her degrees in Political Science, BA and Communication, BA.

Mike Ripley has worked as Environmental Coordinator for the Chippewa Ottawa Resource Authority (CORA) since 1996. CORA represents five tribes in Michigan with regard to the tribes' commercial and subsistence fisheries in the 1836 treaty ceded waters of Lakes Huron, Michigan and Superior. The Tribes comprising CORA are the Bay Mills Indian Community, the Grand Traverse Bands of Ottawa and Chippewa Indians, the Little River Band of Ottawa Indians, the Little Traverse Bay Bands of Odawa Indians, and the Sault Ste. Marie Tribe of Chippewa Indians. Mike is a member of the Sault Ste. Marie Tribe of Chippewa Indians and graduated from Lake Superior State University in 1987 with a B.Sc. in Geology. Mike represents the fishery interests of CORA on the St. Marys River Remedial Action Plan, the Lake Superior Binational Program, the Lake Michigan LAMP Partnership, the Lake Huron LAMP Partnership, and various other environmental and aquatic nuisance species prevention programs mainly in the Great Lakes Region. Mike also manages CORA's fish contaminant monitoring program that has allowed the annual analysis of contaminants from tribal commercial fish harvest since 1991. Mike also represents CORA as an Observer to the Great Lakes Commission and as a member of the Great Lakes Panel on Aquatic Nuisance Species.

Paul Seelbach currently works as a Professor of Practice at the University of Michigan, School for Environment and Sustainability. He primarily advises Master's project teams working in the topic area: Water Resources and Communities. One such project was: Beeler et al. 2020. Risk-based management of groundwater contamination in Michigan. Prepared for MI EGLE, Office of the Great Lakes. Paul has worked as a river ecologist and a fisheries science director for the MI DNR, and as a coastal science director for the USGS, Great Lakes Science Center. He researched relationships between landscapes, hydrologies, and fishes across Michigan rivers. Paul co-chaired the MI Groundwater Conservation Advisory Council that developed the 2010 MI Water Withdrawal Assessment Process and led technical development of the MI Water Withdrawal Assessment Tool. He has advised on the Michigan Hydrologic Framework concept. He is co-authoring a chapter on "groundwater and habitat" for the next update to the GLWQA, Annex 8, Groundwater Science status report.

Teresa Seidel is the Director of the Water Resources Division (WRD) for the Michigan Department of Environment, Great Lakes, and Energy (EGLE). She has more than 30 years of environmental protection including water, wetland, and air quality protection. Teresa holds a BS in Biology, a M.P.A. in Public Management, and a certificate in leadership. Teresa was recognized by Governor Jennifer Granholm as an Outstanding State Employee and as the Regulator of the Year by Michigan Water Environment Association.

Alan (Al) Steinman is the Allen and Helen Hunting Director of Grand Valley State University's Annis Water Resources Institute, a position he has held since 2001. Steinman has published over 180 scientific articles, book chapters, and books; has been awarded over \$60 million in grants for scientific and engineering projects; and has testified before the U.S. Congress and the Michigan and Florida state legislatures. Steinman is a member of science advisory boards for the Great Lakes Advisory Board of the U.S. EPA, the International Joint Commission, University of Michigan's Water Center, Central Michigan University's Beaver Island Biostation, Healing our Waters, NOAA's Cooperative Institute for Great Lakes Research, and Ottawa County (MI)'s Groundwater Board and Technical Committee. He currently serves as Associate Editor for the journal *Freshwater Biology*. He also has served on the State of Michigan's Groundwater Conservation Advisory Council and Phosphorus Advisory Committees. Steinman's research interests include aquatic ecosystem restoration, harmful algal blooms, phosphorus cycling, and water policy. Dr. Steinman holds a Postdoctoral Research Fellowship from Oak Ridge National Laboratory, a Ph.D. in Botany/Aquatic Ecology from Oregon State University, an M.S. in Botany from the University of Rhode Island, and a B.S. in Botany from the University of Vermont.

John Yellich is the director of the [Michigan Geological Survey](#) at Western Michigan University. He received his bachelor's and master's degrees from WMU and his professional geologist certification from the [American Institute of Professional Geologists](#). Yellich brings more than forty years of geologic experience in mineral exploration and development, environmental consulting, business operations, and safety compliance. He has worked in more than thirty states conducting mineral and petroleum assessments in the United States, Canada, Australia and China. Yellich is an exploration, mineral development and environmental geologist with experience in mineral resources in western states; the upper Midwest; the Piedmont province of the east; Canadian provinces of Ontario, Saskatchewan and Alberta; northern and south-eastern Australia; and oil and mineral provinces in China. He has authored a number of Canadian Securities Administration feasibility reports to validate exploration information. He has guided and reviewed several surface water and ground water investigations and negotiated regulatory agreements during the conduct of environmental liability assessments for Fortune 50 companies. Yellich has worked extensively on mineral exploration models testing, confirmation and successful validation of potential targets in Michigan, Minnesota and Canada. He developed a business model for assessing corporate environmental liabilities for many lessees of Fortune 50 in 21 states, and the process for expedited abatement liabilities.

Tom Zimnicki leads groundwater, surface water, and agriculture work at the Michigan Environmental Council, advancing innovative, pragmatic policy agenda that encourages environmentally sustainable agriculture and water conservation. He joined MEC in October 2016 after serving as an environmental consultant in Kalamazoo where he specialized in water quality trading and other market-based solutions to control water runoff, nutrient loading, and promote resource conservation among agricultural and municipal entities. Tom received a bachelor's degree in biology from Adrian College and a masters degree in Environmental Science and a masters in Public Affairs from Indiana University's O'Neill School of Public and Environmental Affairs.