

Michigan Lake and Stream Leaders Institute Class of 2015

Session 1: Ralph A. MacMullan Conference Center, Roscommon

Day 1: Friday, May 15, 2015

- 9:30** **Registration and Social Time**
- 10:00** **Welcome**
- The LSLI Planning Team: *Dr. Jo Latimore, Dr. Lois Wolfson, and Paige Filice, MSU, and Julia Kirkwood, Michigan Department of Environmental Quality*
 - *John Hood, Michigan Lake & Stream Associations*
- 10:15** **Program Introduction**
- 10:45** **Tragedy of the Commons: Why We Need Lake and Stream Leaders**
- *Julia Kirkwood, DEQ*
 - *Dr. Jo Latimore, MSU*
- 12:00** **Lunch**
- 1:00** **Connection Exercise**
- *Paige Filice, MSU*
- 1:30** **Engaging Public Participation in Natural Resource Management**
- *Dr. Maureen McDonough, MSU*
- 2:30** **Break**
- 2:45** **Communication Skills for Lake and Stream Leaders**
- *Dr. Cliff Lampe, University of Michigan*
 - *David Poulson, MSU*
- 4:15** **Dealing with Conflict Constructively**
- *Ann Chastain, MSU Extension*
- 5:30** **Dinner**
- 7:00** **Fireside Chats and Social Time**
- 8:00** **Bonfire at the Beach (weather permitting)**

Day 2: Saturday, May 16, 2015

7:15 Breakfast

8:30 Applied Projects Discussion

9:00 Watershed Management for Lake and Stream Protection

- *Julia Kirkwood, DEQ*

10:30 Break

10:45 Wetlands: Ecology and Policy

- *Jeff Silagy, DEQ*

12:00 Lunch

1:00 Managing Aquatic Invasive Species: the Higgins Lake Boat Washes

- *Rick Meeks and Vicki Springstead, Higgins Lake Foundation*

1:30 Field Exercise: Wetlands and Watershed Assessment

4:00 Session Wrap Up/Evaluation/Session 2 Preview

4:30 Adjourn – See you in July!

Biographies

Ann Chastain – Ann is an Extension Educator with Michigan State University. Ann began her 26-year career with Extension working in the area of household hazardous waste management educational programs. She led local county programming efforts for 20 years as County Extension Director in Cheboygan and Emmet Counties, while sharing expertise in community engagement and leadership development. Ann offers workshops in Facilitative Leadership, Communicating through Conflict, Consensus Building and Strategic Planning with non-profit organizations. You can reach Ann at chastain@msu.edu or 231-439-8972.

Paige Filice – Paige is an Outreach Program Assistant at Michigan State University, and a Watershed Technician for the Clinton Conservation District. She spent two years running the Clean Boats, Clean Waters program for Michigan Sea Grant, has developed an online training program for volunteer monitoring program coordinators, and is currently assisting with launching the online course “Introduction to Lakes”. She holds a Bachelor’s degree in Conservation Leadership from Lake Superior State University. You can contact Paige at pfilice1@gmail.com.

John Hood – John serves as Chair of the Michigan Riparian Foundation, and as Vice President of the Board of Michigan Lake and Stream Associations. He is also a graduate of the Lake and Stream Leaders Institute, Class of 2013. You can contact John at jmh371@juno.com.

Julia Kirkwood – Julia works for the Non-Point Source Pollution Program of the Michigan Department of Environmental Quality. She holds a B.S. in Fisheries and Wildlife from Michigan State University. Julia has worked as a natural resource education and management professional for 22 years – 13 of these with watershed stakeholders to protect and restore rivers and lakes that have been impacted by non-point source pollution. She also serves as the chair of the Michigan Natural Shoreline Partnership and as co-chair of the Outreach and Education Committee. In that role Julia trains and coordinates the MNSP’s statewide “Shoreline Educator Network” of natural resource professionals who conduct ½ day workshops for lakefront property owners on the benefits of natural shorelines to Michigan’s inland lakes. You can contact Julia at 269-567-3583 or kirkwoodj@michigan.gov.

Cliff Lampe – Cliff is an associate professor in the School of Information at the University of Michigan. His research in how people use social media to collaborate, and the effects of social media on individuals, groups, and organizations. He’s the Director of the Citizen Interact Design Program. You can contact Cliff at cacl@umich.edu, or on Twitter @cliff Lampe.

Jo Latimore – Jo is an Aquatic Ecologist and Outreach Specialist in the Department of Fisheries and Wildlife at Michigan State University, a position jointly supported by Michigan State University Extension, Michigan Lake and Stream Associations, and the Michigan Natural Features Inventory. She works closely with those organizations to promote stewardship of water resources statewide. You can contact Jo at latimor1@msu.edu , @JoLatimore or (517) 432-1491.

Maureen McDonough – Maureen is a full professor and extension specialist in the Department of Forestry at Michigan State University with adjunct appointments in the Department of Sociology and the Michigan State Museum. She has been at MSU for over 30 years. Maureen’s research and extension interests include community-driven forestry and increasing the diversity of voices in natural resource decision making. She has developed a model for the USDA Forest Service to use in reaching out to underrepresented groups, evaluated the role of community collaboration in stewardship contracting for the USDA Forest Service and the Bureau of Land Management, and identified barriers to increased public participation in the Michigan Department of Natural Resources. Maureen received a doctoral degree in Forestry in 1980 from the College of Forest Resources at the University of Washington with a disciplinary emphasis in sociology. You can contact Maureen at 517-432-2293 or mcdono10@msu.edu .

Rick Meeks – Rick is a full-time resident of Higgins Lake, and has participated in the CLMP (Cooperative Lakes Monitoring Program) since 2005. He is active in local politics and community environmental projects. You can contact Rick at romeeks@hotmail.com.

David Poulson – Dave is the senior associate director of Michigan State University's Knight Center for Environmental Journalism where he teaches environmental, investigative, public affairs and computer-assisted reporting. He also organizes and implements workshops in the U.S. and abroad to help professional journalists better report on the environment and to help researchers better communicate their work to the public. He is the founder and editor of Great Lakes Echo, a non-profit award-winning environmental news service serving the Great Lakes region. Before arriving at MSU in 2003, he had a 22-year professional journalism career, including 11 years as the environmental reporter in the Lansing bureau of Booth Newspapers. You can contact Dave at poulsondavid@gmail.com.

Jeff Silagy – Jeff is an Environmental Quality Analyst with the Michigan Department Environmental Quality, and is based at the Gaylord Field Office. He has worked for the DEQ/DNR for 25 years, primarily in Northern Lower Michigan, administering the Inland Lakes and Streams Act, the Wetlands Protection Act, and other water-related laws. You can contact Jeff at 989-370-1569, or silagyj@michigan.gov.

Vicki Springstead – Vicki is the Chair of the Higgins Lake Foundation and a longtime champion for preserving the natural beauty of Higgins Lake. Along with her husband, Pat, Vicki was recognized as “Riparian of the Year” by Michigan Lake and Stream Associations in 2014. You can contact Vicki at vlspringstead@cs.com.

Lois Wolfson – Lois is a Water Quality Specialist with the Department of Fisheries and Wildlife and the Institute of Water Research at Michigan State University. She also serves as the State Water Quality Coordinator for MSU Extension. Her work focuses on educational programming in lake ecology and watershed management, and using computerized information systems as tools for understanding water related issues. Lois teaches a course in Field and Lab Techniques in Aquatic Ecosystems at MSU. She holds an M.S. in Botany and a Ph.D. in Fisheries and Wildlife from MSU. You can contact Lois at 517-353-9222 or wolfson1@msu.edu.

Michigan Lake and Stream Leaders Institute Class of 2015

Session 2: Carriage House, Kellogg Biological Station Hickory Corners, MI

Day 1: Friday, July 31, 2015

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| 8:30 | Registration and Social Time |
| 9:00 | Review of Session 1; Introduction to Session 2 |
| 9:30 | Stream Ecology <ul style="list-style-type: none">• <i>Dr. Wes Daniel, MSU</i> |
| 10:30 | Break |
| 10:45 | Fisheries Habitat, Ecology, and Human Impacts <ul style="list-style-type: none">• <i>Dr. Willie Fetzer, MSU</i> |
| 11:45 | Mobile Boat Wash Station |
| 12:00 | Lunch |
| 1:00 | Field Experiences: What to Expect |
| 2:00 | Field Experience: Lakes or Streams |
| 5:00 | Return to Carriage House |
| 6:00 | Dinner |
| 7:30 | Social Time: Boat Rides, Relax |

Day 2: Saturday, August 1, 2015

7:00 Breakfast

8:00 Natural Shorelines on Michigan Lakes and Streams

- *Jane Herbert, MSU Extension*

9:15 Lake Ecology

- *Dr. Steve Hamilton, MSU*

10:15 Break

10:30 Michigan Water Law

- *Bob Reichel, Michigan Office of the Attorney General*

11:30 Shoreline Demonstration Area Walking Tour

- *Jane Herbert, MSU Extension*

12:00 Lunch

1:00 Field Experience (Repeats): Lakes or Streams

4:00 Return to Carriage House

4:30 Session Wrap Up/Evaluation/Projects

5:00 Adjourn – See you in October!

Biographies

Wes Daniel – Wes is a post-doctoral research associate in the Department of Fisheries and Wildlife at Michigan State University. His research interest includes aquatic landscape ecology and urban ecology, with focuses on the modeling of anthropogenic land use alteration of fish and unionid mussel communities. His ongoing research includes a nationwide assessment of the human effects on fish habitat in the fluvial bodies of the United States, including Alaska and Hawaii as part of the National Fish Habitat Partnerships (NFHP) 2015 Inland Assessment. He is also leading a Gulf Coast Region assessment of current threats to endangered freshwater mussels as part of the Gulf Coast Prairie LCC's regional conservation strategy. You can reach Wes at wesley.daniel@gmail.com or 517-432-3102.

Willie Fetzer – Willie is a postdoctoral research associate in the Department of Fisheries and Wildlife at Michigan State University working with Dr. Brian Roth. His interests lie at the interface of basic and applied research and he aims to answer questions directly relevant to the management and conservation of fisheries and freshwater ecosystems. Specifically, he studies food web dynamics in response to anthropogenic perturbations, such as climate change, invasive species, and eutrophication. Current research includes an assessment of nearshore fish community dynamics for all of the Michigan waters of the Great Lakes, and investigating ecological and human health indicators for the Great Lakes basin. You can reach Willie at 517432-4318 or wfetzer@msu.edu.

Steve Hamilton – Steve is a Professor of Ecosystem Science at Michigan State University, where has been based at the Kellogg Biological Station since 1995. He received his Ph.D. at the University of California, Santa Barbara in 1994. His principal research interests involve ecosystem ecology and biogeochemistry, with particular attention to aquatic environments and the movement of water through landscapes, as well as to agricultural systems. His research integrates approaches from varied disciplines such as geology, chemistry, remote sensing, and hydrology as well as ecology. He studies various aspects of aquatic ecosystems in southern Michigan, including wetlands, streams, lakes, and watersheds, as well as agricultural cropping systems and their effects on water and climate. He also works on tropical floodplain ecosystems in South America and dryland river ecosystems in Australia. Current courses include ecosystem ecology and global change and wetland ecology and management. Since 2006 he has led the Kalamazoo River Watershed Council and often interacts with the public and policymakers. You can reach Steve at hamilton@kbs.msu.edu or 269-671-2231.

Jane Herbert –Jane is a Senior Water Resource Educator with Michigan State University Extension Greening Michigan Institute. Her statewide extension responsibilities are focused on inland lake and shoreline management. Jane is a founding member of the Michigan Natural Shoreline Partnership and served as the lead coordinator and educator for the Certified Natural Shoreline Professional certification training program. She serves on the board of the Michigan Chapter of the North American Lake Management Society, is current Vice-chair of the Michigan Natural Shoreline Partnership and was the lead coordinator for the development of the 400-foot long Shoreline Management Demonstration Area at MSU's Kellogg Biological Station. Prior to joining Extension in 1996, she worked as a fishery biologist in Michigan, Indiana and Kentucky. Jane holds a B.S. in Natural Resources from the University of Michigan, a M.S. in Agricultural and Extension Education from Michigan State University and is a recipient of the 2013 MSU Distinguished Academic Staff Award. You can contact Jane at 269-383-8852 or jherbert@anr.msu.edu.

Bob Reichel – Bob is an Assistant Attorney General in the Environment, Natural Resources and Agriculture Division of the Michigan Department of Attorney General. Throughout his 31 year career in the Attorney General's Office, he has practiced natural resources an environmental law, covering a variety of issues ranging from cleanup of environmental contamination sites to invasive species control. For the last three years, he has served as the First Assistant (Assistant Division Chief) helping to supervise a group of 20 attorneys who represent the Departments of Natural Resources and Environmental Quality in matters involving environmental protection and natural resource management, including, among other things, wetlands and inland lakes and streams. You may contact Bob at (517) 373-7540 or reichelb@michigan.gov.

Michigan Lake and Stream Leaders Institute Class of 2015

Session 3: Room 136 Brody Hall, Michigan State University

Friday, October 16, 2015

- 9:30 am** **Arrive Early for Poster Setup**
- 10:00** **Welcome**
- 10:15** **Watershed and Stormwater Management at MSU: A Walking Tour**
- *Ruth Kline-Robach, MSU Institute of Water Research and Department of Community Sustainability*
- 12:00** **Graduation Luncheon**
- *Patrick Cudney, Associate Director for Operations, MSU Extension*
- 1:30** **Class of 2015 Applied Project Poster Symposium**
- 3:30** **Institute Wrap-Up**
- 4:00** **Adjourn**

Biographies

Patrick Cudney – Patrick began serving as associate director for operations of Michigan State University (MSU) Extension on September 1, 2014. He oversees logistical and business operations, including supervising the field-based leadership team as well as providing leadership for the organizational development units of MSU Extension including budget planning and management, human resources, professional development, communications and marketing, program reporting and evaluation, diversity, technology and other essential program support. Patrick holds a bachelor's degree in community recreation and park administration from Central Michigan University and a Master of Science degree in administration from that same institution. His direct areas of interest and expertise include community engagement in public-policy decision-making and the science of public administration. You can contact Patrick at cudney@msu.edu.

Ruth Kline-Robach – Ruth is an Outreach Specialist with the MSU Institute of Water Research and the Department of Community Sustainability. Her areas of expertise include watershed and stormwater management, groundwater quality and quantity, and public education programs. You may contact Ruth at 517-355-0224 or kliner@msu.edu.