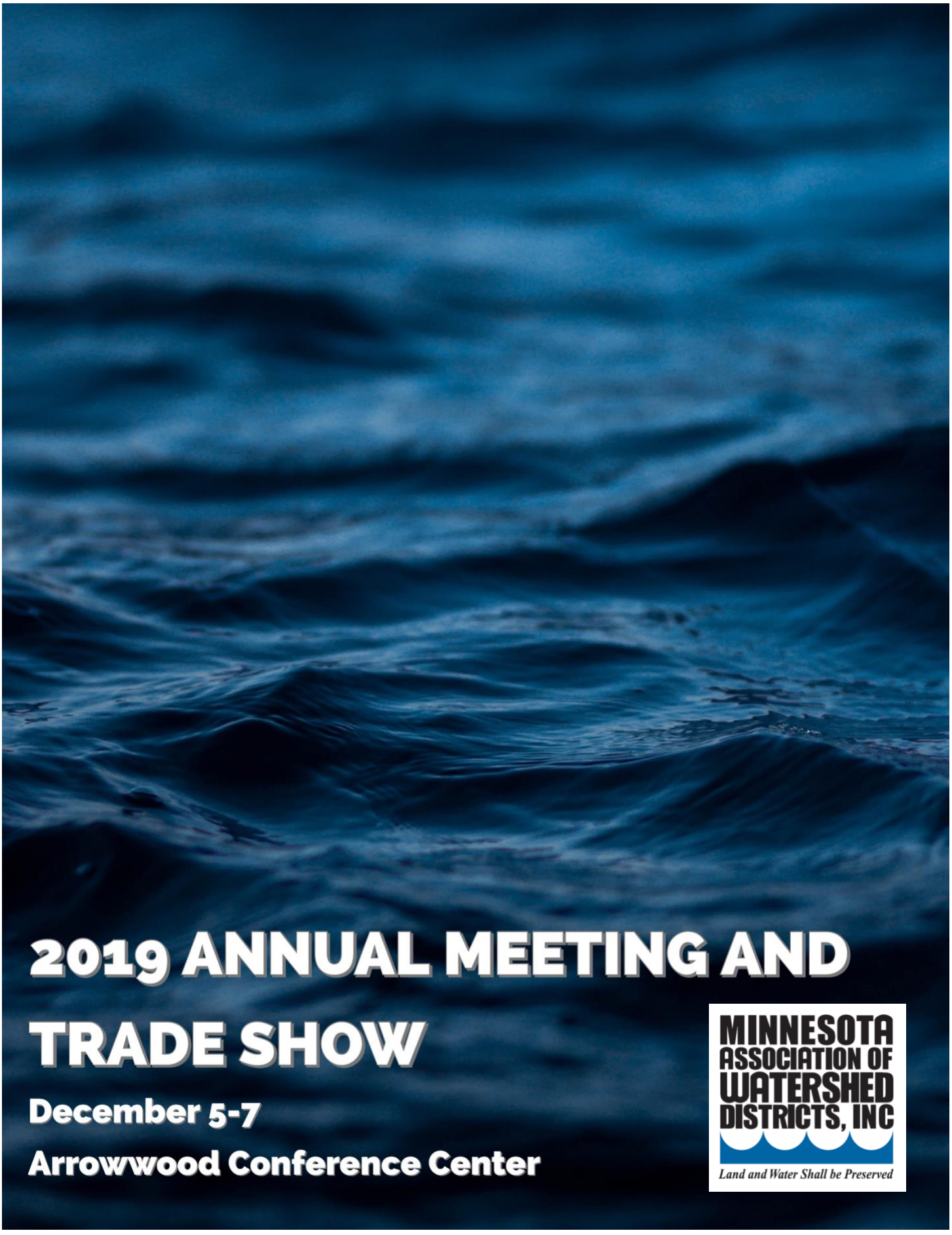

2019 ANNUAL MEETING AND TRADE SHOW

December 5-7

Arrowwood Conference Center

MINNESOTA ASSOCIATION OF WATERSHED DISTRICTS, INC

Land and Water Shall be Preserved

Program Schedule Overview

WEDNESDAY, DECEMBER 4

9 A.M.-2 P.M.	MN Association of Watershed Administrators (MAWA) Meeting - Lake Nokomis
5 P.M.-7 P.M.	MAWD Board of Directors Meeting - Lake Nokomis

THURSDAY, DECEMBER 5

PRE-CONFERENCE SESSIONS

8 A.M.-9 A.M.	Registration and Breakfast - Ballroom Lobby
9 A.M.-4 P.M.	Basic Watershed Management Workshop - Lake Nokomis
9 A.M.-4 P.M.	Minnesota Drainage Seminar - Lake Itasca and Lake Vermillion
9 A.M.-4 P.M.	Staff Development l Mindfulness - Lake Minnewaska
12 P.M.	Lunch - Lake Miltona

ANNUAL MEETING

6 P.M.-9 P.M.	Registration, Trade Show Opening and Welcome Reception - Tennis Center
5 P.M.-9 P.M.	Night at the Movies - Lake Minnewaska

FRIDAY, DECEMBER 6

7 A.M.-9 A.M.	Breakfast - Trade Show Floor, Tennis Center
8 A.M.-10:45 A.M.	MAWD Business Meeting and Resolutions Hearing - Lake Itasca
8 A.M.-11:40 A.M.	Morning Concurrent General Sessions, check schedule for room locations.
11:15 A.M. -12 P.M.	Regional Caucuses
	Region 1 - Rafters (5th Floor)
	Region 2 - Boadroom I (5th Floor)
	Region 3 - Boardroom II (5th Floor)
12 P.M.-2 P.M.	Luncheon - Ballroom
	Keynote Speaker: Kenneth Blumenfeld, Ph.D., Sr. Climatologist, MNDNR
	DNR Watershed District of the Year
	BWSR Watershed District Employee of the Year Awards
	Trade Show Door Prizes
2 P.M.-4:30 P.M.	Afternoon Concurrent General Sessions, check schedule for room locations
5 P.M.-6:30 P.M.	Social Hour and Live Music - Ballroom
6:30 P.M.-8 P.M.	Dinner and Awards - Ballroom
	Watershed District Program of the Year Award
	Watershed District Project of the Year Award
	MAWD Convention Award - Night at the Movies “Best Picture”
	MAWD Convention Award - Watershed District - Share your Best Idea Award

SATURDAY, DECEMBER 7

7 A.M.-9 A.M.	Last Chance Networking Breakfast - Ballroom
9 A.M.-11 A.M.	MAWD Board of Directors Meeting - Lake Miltona

Minnesota Drainage Seminar

Pre-Conference Workshop | Thursday, December 5, 2019 | 9 AM - 4 PM

8:00 – 9:00 AM REGISTRATION AND CONTINENTAL BREAKFAST

9:00 – 9:05 AM WELCOME AND AGENDA

9:05 – 9:45 AM DRAINAGE WORK GROUP, 2019 LEGISLATIVE AND MDM GRANT UPDATES

Tom Gile, Resource Conservation Section Manager – Board of Water and Soil Resources

- Drainage Work Group (DWG) Update – What's the DWG Working on now?
- 2019 Legislative Updates
  - Runoff Based Drainage Assessments for Repair Projects
  - Miscellaneous Drainage Law Changes
- Update on Clean Water Fund Multipurpose Drainage Management Grants

9:45 – 10:15 AM DNR PERMITTING FOR REPAIR PROJECTS – What has changed since one year ago?

Steve Colvin - MN Department of Natural Resources

15-minute COFFEE and SNACK BREAK

10:30 – 11:00 AM RE-ESTABLISHMENT OF RECORDS – What was impact of MN Supreme Court decision?

John Kolb – Rinke Noonan

60-minute LUNCH BREAK (Provided)

11:00 AM – NOON RE-ESTABLISHMENT OF RECORDS – Case Studies

Chris Otterness, PE - Houston Engineering

Chuck Brandel and Bailey Griffin, ISG

60-minute LUNCH BREAK (Provided)

1:00 – 2:00 PM ENVIRONMENTAL CONSIDERATIONS AND REQUIREMENTS UNDER DRAINAGE REVIEW

Kale Van Bruggen and John Kolb - Rinke Noonan

Chris Otterness, PE - Houston Engineering

2:00 – 3:00 PM DRAINAGE INSPECTOR'S PERSPECTIVE ON LANDOWNER INTERACTION – WD and County

Tom Schmidt, Inspector - Rice Creek Watershed District

Craig Austinson, Ditch Manager and Ryan Hiniker, Drain Management Specialist – Blue Earth County

15-minute COFFEE and SNACK BREAK

3:15 – 4:00 PM CONNECTING DRAINAGE TO 1W1P – County and WD

Robert Olsen, Environmental Office Administrator - Lincoln County

Chad Engels, PE - Bois De Sioux Watershed District

#mawd19

Association of Minnesota Counties

MINNESOTA ASSOCIATION OF WATERSHED DISTRICTS, INC
Land and Water Shall be Preserved

Navigating Troubled Waters Mindfulness

Pre-Conference Workshop | Thursday, December 5, 2019 | 9 AM - 4 PM

8:00 – 9:00 AM REGISTRATION AND CONTINENTAL BREAKFAST

9:00 – 9:05 AM WELCOME

Diane Lynch, District Administrator, Prior Lake-Spring Lake Watershed District

Diane will introduce this topic and the reason it was chosen for water resource professionals.

9:05 – 9:45 AM LIVING IN THE PRESENT

Diane Lynch, District Administrator, Prior Lake-Spring Lake Watershed District

We will explore the origins of mindfulness, what it means, and how to integrate it into our lives. Diane will provide a snapshot of experts in the field of integrative medicine and personal transformation along with some of their fundamental teachings.

9:45 – 10:30 AM MIRACLE MORNING

Emily Javens, Executive Director, MAWD

Emily will introduce Hal Elrod's concept of a starting each day with six steps that include silence, affirmations, visualizations, exercise, reading, and journaling. The group will be led through a mini practice session and leave with resources to continue a practice at home.

15-minute COFFEE and SNACK BREAK

10:45 – 12:15 PM MINDFULNESS YOGA

Elsa Wadsworth, Owner, Yoga One

Yoga has its roots in ancient India and means "union." Yoga is meant to bring about enlightenment through the union of body and mind. Elsa will provide an overview of the styles of yoga and will guide participants in simple, gentle stretching with poses that match your breath with the motion of your body. This will NOT be rigorous. Just bring a mat, towel or blanket to lay on.

12:15-1:15 PM LUNCH (Provided)

1:15 – 2:00 PM FENG SHUI

Speaker TBD, Invited: Practitioner from Energetic Alignments

Feng Shui is an ancient art and science that started over 3,500 years ago in China. It teaches how to balance and harmonize with energies in any space and is often used in interior design and architecture. Feng shui involves the five elements: wood, fire, earth, metal and water. Participants will learn more about this ancient technique, about a mapping chart called a "bagua" and create a simple bagua for their home or office. The instructor will review the baguas with the class.

2:00 – 2:45 PM MINDFULNESS MEDITATION

Speaker TBD, Invited: Laughing Buddha Meditation Center, Alexandria, MN

Recent research shows that meditation can help preserve the aging brain. Stress, anxiety and pain can all be reduced through meditation by focusing thoughts. Techniques include paying attention to breath, an idea or a feeling or a mantra. With mindfulness mediation, thoughts and feelings can be observed and released. The instructor will provide helpful techniques and then lead participants through a guided meditation. Participants will find they are energized for writing their mindfulness plan.

15-minute COFFEE and SNACK BREAK

3:00 – 4:00 PM THE MINUTE CLINIC & WRITING YOUR MINDFULNESS PLAN

Diane Lynch, District Administrator, Prior Lake-Spring Lake Watershed District

When the going gets rough, we need to know what to do to get us back on track—to ground us. Participants will learn techniques to put in motion on cue, such as tapping, controlled breathing, visualization, setting intentions and inner smile, among others. They will then be guided through an exercise to put a mindfulness plan together that will remind them of what they learned in the workshop and how to develop mindfulness as a habit. For those interested, volunteers will join a network of colleagues who will share how they applied what they've learned and ideas they want to share with others.

Basic Watershed Management Workshop

Pre-Conference Workshop | Thursday, December 5, 2019 | 9 A.M.-4 P.M.

9:00 – 9:15 WELCOME AND INTRODUCTIONS

9:15 – 10:30 YOUR ROLE as a WATERSHED DISTRICT

Understanding Watershed District Legal Powers and Purposes – Watershed districts have their own compact chapter of law – MN Chapter 103D and metro watershed districts also have 103B. This legal overview will provide insight into why watershed districts were created, and the legal authorities given to districts to pursue their missions.

Watershed Districts, BWSR, and the World – Your watershed district is just one organization in a world full of state, federal, non-profit, citizen, and municipal interests with their own mandates to do work for the public good. Sort out who's who and consider how partnerships could maximize your impact.

15-minute COFFEE and SNACK BREAK

10:45 – 12:15 YOUR ROLE as a WATERSHED "MOVER and SHAKER"

Every organization on the planet from the Girl Scouts to the US Army has some sort of strategic plan to guide them. Watershed district plans set priorities, outline strategies, and identify targeted and measurable goals. Learn the process for how to develop or update your plan and discover tips for getting those plans implemented.

60-minute LUNCH BREAK (Provided)

1:15 – 2:45 YOUR ROLE as a GOVERNMENT OFFICIAL

Has this happened to you?

1. Prior to the board meeting, another manager calls to encourage you to vote for an issue on the agenda. How should you respond?
2. The board treasurer is giving a report to the board. You spot a check to a vendor for a larger amount than what the board had previously authorized. What's the appropriate response?
3. A junior staff person tells you there have been inappropriate jokes in the workplace. Now what?
4. A county commissioner has let you know how she expects you to vote on an issue. Now what?
5. A citizen lets you know that the board did a terrible job approving a "stupid project." You happen to agree it wasn't a great project, but yours was one of only two dissenting votes. How do you respond?

This session will discuss how to respond to these and other scenarios that will help you do your job well and stay away from legal trouble and will provide an understanding of the Open Meeting Law, Data Practices Act, Freedom of Information Act, and other relevant rules and regulations.

15-minute COFFEE and SNACK BREAK

3:00 – 4:00 YOUR ROLE as a WATERSHED LEADER

Your county appointed you to the Board and they probably expect you to make sure the organization does more than just exist. Learn some techniques that contribute to the art of "boardsmanship" that will help your district excel.

Concurrent General Sessions
Friday, December 6

Time	Location	Topic	Description	Presenters
8am - 8:40am	Lake Miltona A + B	Demonstrating Quantifiable Progress Toward Water Goals	Is your organization's path to reaching its goals a 'clear road map' or a 'black box'? Public agencies are accountable to the local citizens that they serve, which is why it is crucial to demonstrate effective use of public funds and quantify progress toward goals. With limited time and funding, cost-benefit analysis becomes increasingly important. CLFLWD aims to utilize BWSR's Prioritized, Targeted, Measurable (PTM) method to demonstrably reach water quality goals at a fraction of the originally-anticipated cost. For example, to reach the Lower St. Croix Watershed's phosphorus load reduction goal, the difference between implementing highly cost-effective projects (<$500/lb phosphorus removed) and less cost-effective projects (>$1,500/lb phosphorus) could be up to $1.1 billion. PTM discussions at the regional and statewide scale are necessary to implement this philosophy in a more impactful way. This presentation aims to continue these discussions in order to improve public agency effectiveness on a broad scale.	Mike Kinney, Comfort Lake Forest Lake WD; Meghan Funke, Emmons & Olivier Resources
8am - 8:40am	Lake Osakis	Banking Groundwater	Managing groundwater recharge may be needed for communities with competing aquifer uses or depleted natural systems. Changes in groundwater dependence, seasonality and intensity of precipitation, evapotranspiration and hydrology impact recharge. Evaluating economic, policy, engineering and geologic considerations now will allow us to deploy aquifer recharge when, where and if needed. A team led by the Water Resources Center convenes experts across disciplines to evaluate the need for and barriers to implementing managed aquifer recharge. Specific geologic conditions in four study areas control the physical realities: Fargo-Moorhead, the Straight River, S. Washington Co. and Rochester. Water sources like treated surface water or wastewater must be evaluated along with energy use and infrastructure costs that affect the economics. The Groundwater Protection Act of 1989 appears to prohibit recharge; these and other policy barriers will be evaluated. The 18-month project culminates in a report to the legislature.	Carrie Ellen Jennings, Freshwater Society; John Bilotta, Water Resources Center; Peter Kang, Department of Earth and Environmental Sciences; Anthony Runkel, Minnesota Geological Survey; Bill Arnold, University of MN
8am - 8:40am	Lake Minnewaska	Building a Basin Wide Educational Program	Most citizens are largely unaware of their local river's origins and where it travels downstream. The River of Dreams (ROD) program seeks to increase watershed understanding and sense of place among elementary students, making the next generation more aware of connections within their watershed to other rivers, lakes, oceans, and the people who utilize them. ROD is a fun and impactful education experience that gives participants a better understanding of their local rivers geography. Students are exposed to watershed concepts multiple times in ways that leave a lasting impression through writing activities, virtual tours, and a canoe launch event at a local river. IWI has grown this program from five schools to thirty-five schools in the last five years. Learn what it takes to develop and implement a basin wide education program.	Danielle Graham; Asher Kingery and Taylor Lemieux; International Water Institute

Time	Location	Topic	Description	Presenters
9am - 9:40am	Lake Miltona A + B	Comparing ACPF, PTMApp and HSPF-SAM	Identification of targeted locations at field scales for implementing conservation practices in an agricultural watershed has become a prerequisite to sustainable land use management. Understanding how to relate multiple fields and riparian zones at the small watershed scale is critical to managing water quality goals. We compared the outcomes of three models/decision support tools in the Plum Creek watershed near Redwood Falls, Minnesota. Prioritize, Target and Measure Application (PTMApp) and Agricultural Conservation Planning Framework (ACPF) were applied to a HUC 12 sub-watershed scale using high-resolution LiDAR-based hydro-conditioned digital elevation model (DEM) to achieve following objectives: 1) develop comparative assessment of these tools in identifying critical areas and conservation practices at field scales; and 2) develop a scenario based field-scale decision support framework to achieve nutrient reduction goals, build soil health for enhancing crop production within and below the fields and riparian management in a cost-effective manner.	R. Srinivas, University of MN; Matt Drewitz, BWSR; Joe Magner, University of MN,
9am - 9:40am	Lake Osakis	Implementation and Assessment of a Targeting Street Sweeping Program	The City of Forest Lake drains to five significant lakes: Forest, Shields, Keewahtin, Comfort and Clear Lake. Two of the five are listed as impaired for nutrient/eutrophication, with the others at risk for impairment. These lakes are high-value recreational resources with a combined 5 public launches among them. CLFLWD worked with the City and Rice Creek WD to implement an enhanced street sweeping program, using the CLFLWD's 2018 comprehensive street sweeping plan, which will result in a cumulative estimated phosphorus load reduction of 167 lb/yr. Samples of swept material were lab-tested to quantify actual load reductions. Results will be available later this year and discussed in this proposed presentation. Lab results will be used to measure progress toward load reduction goals and to modify the sweeper route, if needed. The combined cost of the sweeping plan and implementation is $320,000. CLFLWD and the City received CWF grants for each, respectively.	Mike Kinney, Comfort Lake Forest Lake WD; Paula Kalinosky, Emmons and Olivier Resources;
9am - 9:40am	Lake Minnewaska	Multi-benefit Storage and Water Quality Solutions in the South Heron Lake Watershed	This presentation will outline how the Heron Lake Watershed District is achieving multi-benefit solutions that address drainage system improvements, while also increasing flood resiliency and improving water quality through the leveraging of drainage dollars with state and federal grant funds.	Jan Voit, Heron Lake WD; Jacob Rischmiller and Staci Williams, ISG
10am-10:40am	Lake Miltona A + B	Geomorphic and Habitat Assessments of Trout Streams in the Lower Minnesota River Watershed District	Rosgen level I geomorphic reconnaissance was utilized to conduct exploratory assessment of the streams as a whole and to identify key areas for further investigation. This was followed with level II data collection in representative reaches. Habitat assessments conducted on each stream incorporated the modified MSHA worksheet to assess current habitat conditions on cold water streams. Temperature and dissolved oxygen (DO) concentrations were measured using a field sonde placed at the bottom of the stream channel. Results suggest cold ground water with DO is present to support trout fisheries. However, some streams showed channels filling with sand limiting pool habitat and other channels where degraded by increased runoff. This information will help prioritize district restoration actions and explore protective watershed measures.	Linda Loomis, LMRWD; Joe Magner and Brenda DeZiel, University of MN; Jeff Weiss, Barr Engineering; Della Young, Young Environmental

Time	Location	Topic	Description	Presenters
10am-10:40am	Lake Osakis	A Partnership Model for Predicting, Measuring, Managing, & Communicating Water Level Impacts	Between 2013-2018 the Twin Cities metro experienced the wettest period six-year period on record. During those six years an extra year's worth of precipitation fell (~30 inches), meaning the area received seven years' worth of rain in a six-year period. 2019 has continue this exceptionally wet trend and currently ranks as the second wettest year to date. How can water managers successfully predict how much rain is coming, track how much rain has fallen, monitor the effects to water bodies, and communicate the impacts to their communities? To manage the impacts of this record precipitation, MCWD has formed a multi-disciplinary partnership with the National Weather Service, the U.S. Geological Survey, and Hennepin County Emergency Management. Using the expertise of this multi-agency partnership, MCWD has been able to predict, observe, and manage the impacts from wet weather and limit the duration of high water in spite of the record precipitation.	Tiffany Schaufler, MCWD; Eric Waage, Hennepin County Emergency Management
10am-10:40am	Lake Minnewaska	Small Town Flood Protection: The Ada Levees	Surrounded by the Wild Rice and Marsh Rivers to the south and Judicial Ditch 51 on the north, the city of Ada has been plagued by flooding over the years. After the catastrophic flood of 1997 and subsequent flooding, this small community came together to take necessary actions that identified the problems and found feasible solutions to protect their residents. Ada's story illustrates the importance of partnerships and the use of sound science and engineering, while navigating funding constraints and regulatory approvals. From devastating floods to certified flood protection, the city of Ada is a story about success.	Alexa Ducioame, Moore Engineering, Inc., Kurt Lysne, Moore Engineering, Inc;
11am-11:40am	Lake Miltona A + B	Targeting Channel Restoration Projects to Inform Implementation Efforts	Within the Buffalo-Red River Watershed, stream bank erosion contributes to sediment impairments and serves as a stressor to aquatic life. As such, the Buffalo-Red River Watershed District sought to prioritize its efforts to restore and stabilize rivers and streams. This presentation will show a new approach for rapidly targeting implementation within riparian corridors relative to measurable goals in a One Watershed, One Plan. The results will demonstrate how targeting information can be used to develop and investment guide for weighing upstream versus in channel management actions.	Drew Kessler and Erik Jones, Houston Engineering
11am-11:40am	Lake Osakis	The Role of Aquatic Plants in Shallow Lake Reclamation	It is increasingly clear that aquatic plants play a central role in the restoration of shallow lakes. Still, effects on shallow lake nutrient balances is not well known. In fact, aquatic plants are often not included in TMDLs. This presentation includes what we have learned by conducting thorough lake-wide aquatic plant biomass evaluations and nutrient analyses of aquatic plant tissue and by building a custom lake model to tease out the effect of aquatic plants on nutrient balances. The study lakes are Kohlman Lake (Ramsey Washington-Metro Watershed District) and Normadale Lake and Smetana Lake (Nine Mile Creek Watershed Districts). Even though the public very often has a negative view of aquatic plants, the issue of aquatic plants and shallow lakes is emerging and is not going to go away and it will be important for us to better understand the role of aquatic plants in shallow lake restoration.	Keith Pilgrim and Janna Kieffer, Barr Engineering

Time	Location	Topic	Description	Presenters
11am-11:40am	Lake Minnewaska	Regionalization - Escape the Site	While keeping stormwater onsite in a manner that mimics natural conditions remains a worthy and productive goal of watershed district regulatory frameworks, challenges presented by some properties demand regional solutions. Cost-effective and politically savvy public-private partnerships can support more than just water-resource protection: better site design and more efficient use of land, integration of diverse land-uses, etc. The session will explore legal and technical frameworks for successful regional stormwater management, giving attendees tools and inspiration they can put to work in their own watersheds.	Michael Welch, Smith Partners PLLP; Karen Kill, Brown's Creek WD; Randy Anhorn, Nine Mile WD; James Wisker, Minnehaha Creek WD
2pm-2:40pm	Lake Miltona A	Managing Risks and Forging Watershed Partnerships	Our watersheds are facing unprecedented challenges from climate change, impaired water quality, and loss of habitat, and governance. This presentation will explore key principles of risk management to embrace from start to finish in every watershed undertaking, and pursue the success that comes from creating effective partnerships. We will examine how the Minnehaha Creek Watershed District has developed Balanced Urban Ecology, an integrated approach to land use and water resource planning that has forged collaboration with local communities and private partners. In the Minnehaha Creek corridor, the District has partnered with two cities, a hospital, a major printing company, and Target to restore the creek, create new trails, access to green space, and treat polluted stormwater. We will also trace a similar undertaking in the Midtown Greenway of Minneapolis that transformed a neglected railroad trench into a multimodal greenway that stimulated 4,000 new units of adjacent housing.	James Wisker, Minnehaha Creek WD; Louis Smith, Smith Partners PLLP
2pm-2:40pm	Lake Miltona B	Helping Mother Nature…Buffalo River Restoration Challenges and Outcomes	This presentation tells the story of a stream restoration project along a 2-mile stretch of the Buffalo River, near Hawley, Minnesota. The stream was straightened in the 1950s which resulted in an unstable stream that lacked quality habitat and had bank erosion issues. The Buffalo-Red River Watershed District along with MN DNR and the City of Hawley worked together to achieve mutual benefits. We will highlight the design process, hurdles to implementation, permitting requirements and ultimately how the constructed restoration has evolved since being built and after the 2019 flood. Additionally, project partnerships and funding opportunities for stream restoration projects will be discussed.	Amanda Hillman, MNDNR; Erik Jones, Buffalo-Red WD
2pm-2:40pm	Lake Osakis	Inclusivity: Are you embracing others or only embracing yourself?	Local governments are striving to enhance diversity in their offices and embrace the diversity found within their communities. While a watershed district may have a diverse board and staff and may be reaching a broader audience than ever before, is this diversity linked with efforts to be inclusive? A district that is inclusive promotes a sense of belonging, which makes people want to become part of the watershed district family. Building an inclusive organization is hard work. But, when it is achieved, you attract the best staff who wants to stay with the organization for the long-term. Attendees to this session will learn about some attitudes, behaviors, and policies that can enhance the inclusivity of your organizations. While the session's focus will be on gender inclusivity, the concepts can be generalized to other diversity frameworks.	Jason Weinerman, BWSR

Time	Location	Topic	Description	Presenters
2pm-2:40pm	Lake Minnewaska	Developing a Targeted Watershed Management Implementation Plan Using Innovative Technologies in the Minnesota River Headwaters	Through a Clean Water Fund grant, the Upper Minnesota River Watershed District developed a Targeted Watershed Management Implementation Plan for the entirety of its 505 square mile area within the Upper Minnesota River Headwaters Watershed. This plan (1) identified sediment and nutrient sources on the landscape from within the District and from upstream sources in the Dakotas, (2) identified opportunities for field-scale landscape conservation to address those sources, (3) utilized the Prioritize, Target, and Measure Application, along with other geospatial analysis, to assess both cost and benefit of field-scale practices relative to others in each subwatershed, and (4) developed a comprehensive plan that considered conservation practice benefit to achieve water quality goals across dozens of subwatersheds. This plan will provide the District with the information it needs to address its critical water quality needs while better informing District residents and leaders what investment is necessary to sustain healthy aquatic systems.	Kris Guentzel, Houston Engineering; Amber Doschadis, Upper Minnesota River WD; Mark Deutschman, International Water
2:45pm-3:30pm	Lake Miltona A	Watershed Assessment and Planning Using an Ecosystem Service Approach	Watershed management in Minnesota has traditionally been driven by the desire to prevent and relieve flooding, protect water and natural resources, and improve water quality. While this approach effectively implements regulatory programs, it ignores or only broadly defines other key components of watershed management including ecological health, connectivity, and habitat and does not provide a holistic assessment of watershed health. We will explore the use of an ecosystem service planning and assessment framework that directly links human benefits and the natural environment, using the newly developed E-Grade framework for the Minnehaha Creek Watershed. Through E-grade managers and residents in the watershed will be able to more broadly assess watershed health and to connect actions in their watershed with conditions in their natural environment.. This framework supports better policy development and planning by clearly defining the impacts of degraded environments to those who work and recreate in the watershed.	Joe Bischoff and Diane Spector, Wenck Associates
2:45pm-3:30pm	Lake Miltona B	Financing Multipurpose Drainage Projects	Watershed districts play a key role in the integrated management of water resources and public drainage systems. State policy strongly favors multipurpose drainage projects that integrate drainage system improvements with water quality, habitat, and flood mitigation elements. Nevertheless, integrating the governance and finance of such projects among watershed districts and counties can pose challenges. This program will highlight the success of Heron Lake Watershed District in obtaining funding to design and build multipurpose drainage projects, and also explore the legal and policy challenges with cooperative financing. We will show the watershed benefits of multipurpose projects and pursue the case for enhancing the authority of watershed districts to finance such projects or cooperate with counties to do so.	Jan Voit, Heron Lake WD; Louis Smith, Smith Partners PLLP; Chuck Brandel, ISG Engineers;

Time	Location	Topic	Description	Presenters
2:45pm-3:30pm	Lake Osakis	Maintaining an active Citizen Advisory Committee	State Statute 103D.331 requires watershed districts to have advisory committees. From statute: "The managers must annually appoint an advisory committee to advise and assist the managers on all matters affecting the interests of the watershed district and make recommendations to the managers on all contemplated projects and improvements in the watershed district." This session will include brief presentations by several watershed districts with active advisory committees. Each panelist will answer some basic questions regarding: Principals for Public Participation CAC Role and Work Plan Benefits and Challenges of Active CAC After the brief presentations, a moderator will facilitate an open discussion between the panelists and audience.	Mark Doneux, Capitol Region WD
2:45pm-3:30pm	Lake Minnewaska	Hennepin County Chloride Partnership: Developing a strategic plan to increase adoption of best management practices with private applicators.	Watershed Organizations and other Local Government Units in Hennepin County in 2018 decided to allocate targeted watershed funds to a Chloride Reduction Initiative. Hennepin County felt well-informed about the winter maintenance practices on public roadways, but the practices of private salt applicators and property managers were a gap in knowledge. The Minnesota Pollution Control Agency was able to take a lead in engaging property managers, so the Hennepin County focused efforts on private applicators. During the summer of 2019, the partnership conducted qualitative research with private applicators to better understand barriers to salt reduction and needs of the industry. The research was also supplemented with a survey that was sent to this targeted audience. The needs and barriers were then translated into short- and long-term actions. This presentation will present the results from this research and the next steps for the partnership.	Emily Kreiter, University of MN; Claire Bleser, Riley Purgator Bluff Creek WD
3:35pm-4:20pm	Lake Miltona A	Viewing and Technology	Until recently, ditch viewing has been done the same for many decades. Most of the reporting has been done via the old pen and paper methods. Utilizing experience, technology and vision to provide innovative and strategic solutions to our customer's water resource and information needs. Introducing automated processes to increase efficiencies and accuracy to viewing. Stressing the importance of GIS based benefit classification maps for unlimited future uses to the Drainage Authorities as a key step in the information process. High-tech, high-resolution maps which allow the Drainage Authority to easily handle future parcel splits, manage future improvements, combining systems, additions and removal of lands, as well as work with entities sharing the same core goals as the Drainage Authorities to protect, enhance, and restore the state's water resources.	Bryan Murphy, H2Over Viewers LLC

Time	Location	Topic	Description	Presenters
3:35pm-4:20pm	Lake Miltona B	Long-term Conservation Easement Enforcement: Strategies & where to start	Your organization has successfully obtained permanent conservation easements as part of your program. Now what? This presentation will cover the basics of conservation easement stewardship, including the steps involved in annual monitoring of conservation easements and techniques for handling challenges and resolving violations. Over the last several years, the easement compliance rate for the conservation easements in the Prior Lake-Spring Lake Watershed District has risen from 40% in 2015 to nearly 80% compliance in 2019. A successful easement stewardship program requires good documentation and policies, but also includes good landowner relations and consistency. We will discuss lessons learned and strategies we have used to help resolve easement violations. Come with questions about particular issues or challenges you may have encountered.	Kathryn Keller-Miller and Maggie Karschnia, Prior Lake Spring Lake WD
3:35pm-4:20pm	Lake Osakis	Sooo ..... you want to own your own building	Many watershed districts own their office buildings, and many do not. This interactive session will feature five watershed districts discussing the details of their office projects. The panel will first each answer a few basic questions: 1) What were the primary reasons to build/remodel your own office facility? 2) How did you get to the decision to own versus leasing? 3) What were the key planning elements that your district considered the “must haves” for your building? 4) How did you tie your building to your mission? 5) How much did your building costs for acquisition, planning/design, construction, O & M? 6) How did your district finance your new building? 7) How did your district plan for office space, storage, parking, meeting rooms and staff areas? 8) What do you like the best about owning your own space? 9) What advice would you give to others about owning your own space?	Mark Doneux, Capitol Region WD; Scott Henderson, Sauk River WD; TIm Kelly, Coon Creek WD; Tina Carstens, Ramsey Washington Metro WD; Myron Jesme, Red Lake WD
3:35pm-4:20pm	Lake Minnewaska	Stormwater Quality Trading: Accelerating Watershed Improvements While Reducing Costs	Minnesota’s municipal separate storm sewer system (MS4) permitted entities are faced with high costs for implementing stormwater quality projects in urban settings. Yet these investments in stormwater improvements may not yield significant improvements to stormwater quality. The Shell Rock River Watershed District (SRRWD) is working with the City of Albert Lea to develop a stormwater quality credit trading pilot program to address this challenge. This pilot program will test innovative options to accelerate the implementation of projects and practices that will result in improved water quality while reducing costs. Implementing a stormwater quality credit trading program also helps to build a stronger rural-urban community relationship and creates a mutual vested interest in the health of the watershed, by setting up both sides for success. This presentation will focus on the essential stormwater quality trading program components and the potential to expand the program other areas of Minnesota.	Courtney Phillips, Shell Rock River WD; Julie Blackburn, Respec