PETERSON COMPANY LTD
CERTIFIED PUBLIC ACCOUNTANTS

570 Cherry Drive | Waconia, Minnesota 55387
952.442.4408 | Fax: 952.442.2211 | www.pclcpas.com

July 21, 2026

Joe Barten
Lower Mississippi River Watershed Management Organization
4100 220th St West, Suite 102
Farmington, MN 55024

Dear Joe:

We appreciate the opportunity to respond to your request for an audit bid on your Organization for the fiscal year ending December 31, 2026 and December 31, 2027. The audit will be performed in compliance with all applicable audit standards.

During the completion of the audit, we will be happy to answer your questions and assist with policies and procedures at no additional cost. The year-end audit fee will be $4,750 for 2026 and $4,900 for 2027.

Thank you for contacting us and we look forward to hearing from you.

Sincerely,

Samantha Hoskins

Samantha Hoskins, CPA
Peterson Company Ltd

Campbell Knutson

August 4, 2026

***

Direct Dial: (651) 234-6201
E-Mail Address: jmonge@ck-law.com

LMRWMO
c/o Joe Barten
Dakota County Soil and Water Conservation District
4100 220th St. West, Suite 102
Farmington, MN 55024

DELIVERY VIA EMAIL:
Joe.Barten@co.dakota.mn.us

RE: LOWER MISSISSIPPI RIVER WATERSHED MANAGEMENT ORGANIZATION
RESPONSE TO REQUEST FOR PROPOSALS FOR LEGAL SERVICES

Dear Mr. Barten:

In response to the solicitation of proposals from qualified firms to provide legal services to the Lower Mississippi River Watershed Management Organization, Campbell Knutson, P.A., respectfully requests consideration by the Board. The following information is being provided to assist in your review:

1. **NAME AND LOCATION OF FIRM.** Our firm name is Campbell Knutson, *Professional Association*, Grand Oak Office Center I, 860 Blue Gentian Road, Suite 290, Eagan, Minnesota 55121. The firm is located off of Dodd Road in Eagan just south of I-494 and north of Highway 55.

2. **NUMBER OF YEARS IN OPERATION AT EAGAN LOCATION.** The firm has been located in the Eagan area since it was founded in 1986, and moved to its current location at the Grand Oak Office Center in July 2015.

3. EXPERIENCE WITH WATERSHED DISTRICTS. Campbell Knutson currently represents seven watersheds in the seven-county area, and we previously provided legal services to the Gun Club WMO. The firm has been active in every aspect of watershed law from drafting joint powers agreements, reviewing 509 Plans, advising clients on law and rule changes, undertaking acquisitions for improvement projects and defending against claims. Our practice of municipal law dovetails with our watershed practice.

4. PROFESSIONAL STAFF AVAILABLE TO THE LMRWMO. Should Campbell Knutson be selected to represent the LMRWMO, we propose that James J. Mongé be the lead attorney for the LMRWMO and James will attend Board meetings as needed. Petra Asani would be the primary back-up should James be unavailable at a particular time. The firm's other attorneys would also be available to provide legal services to the LMRWMO.

5. QUALIFICATIONS/EXPERIENCE. James provides general municipal services for all of the firm's clients and is the lead city attorney for the cities of Braham, Mora, Shafer, Stacy, and Woodland and Vermillion Township. James currently serves as lead attorney for the Cannon River Watershed JPO, Eagan-Inver Grove Heights WMO, Elm Creek WMO, Lower Mississippi River WMO, North Cannon River WMO, and Pioneer-Sarah Creek WMO, and as the primary assistant for the Black Dog WMO in Burnsville. Prior to joining the firm in 2015, James worked at the League of Minnesota Cities for 15 years. At the League, James served as Senior Land Use Litigator, Property/Casualty Litigator, and Research Attorney.

James has been a land use instructor for Government Training Services. He has also lectured to the League of Minnesota Cities and Continuing Legal Education classes for attorneys on various municipal law topics.

Petra joined the firm in 2022 as a law clerk and transitioned to attorney in 2024. Petra practices in the areas of general municipal and government law, working in the areas of real estate, land use, data practices, contract and ordinance drafting, and litigation. Petra is the primary attorney for the Black Dog WMO.

In the unlikely event that James or Petra would be temporarily unavailable to provide services to LMRWMO, Campbell Knutson has seven other attorneys with expertise in municipal and watershed law that can assist. Campbell Knutson is a partnership in the true sense of the word. We are an open and collaborative group who work as a team to serve each of our clients. While each of our attorneys practice general municipal law, we each have developed specialties that we are able to provide to each of our clients, such as labor and employment, real estate, land use, condemnation, and telecommunications.

6. OTHER WATERSHED'S REPRESENTED BY THE FIRM AND CONTACT INFORMATION FOR EACH.

Black Dog
Daryl Jacobson, Administrator
(612) 895-4574

Cannon River
Emmie Scheffler
(507) 332-5408

Eagan-Inver Grove Heights
Ashley Gallagher, Administrator
(651) 480-7777

Elm Creek
Judie Anderson, Administrator
(763) 553-1144

North Cannon River
Ashley Gallagher, Administrator
(651) 480-7777

Pioneer-Sarah Creek
Amy Juntunen, Administrator
(763) 553-1144

7. CONFLICTS OF INTEREST. Campbell Knutson does not currently have any clients in conflict with LMRWMO. As our firm focuses on municipal law, we do not represent any real estate developers and do not take positions contrary to municipal interests either locally or in a broader context through court cases, bargaining, or lobbying.

Should a conflict occur, Campbell Knutson would disclose the conflict to both clients, consult with both clients and, if necessary, recuse ourselves from representing either client in the dispute. However, for cooperative or joint projects, dual representation would not necessarily create a conflict under the professional standards of conduct.

8. FEE SCHEDULE/HOURLY BILLING RATES. Campbell Knutson proposes to provide general legal services to the LMRWMO at the following rates for the period June 1, 2026 to May 31, 2028:

Attorneys	$	200.00
Law Clerks	$	130.00
Legal Assistants	$	115.00

Services rendered are billed according to the actual time incurred, with a minimum increment of one-tenth of an hour. We would also bill for the firm's out-of-pocket costs according to the following schedule:

- Photocopies: $ .20/page
- Lexis research: actual cost
- Postage over $.50: actual cost

The LMRWMO would not be charged for any other items, including postage under $.50.

We are very interested in providing quality legal services to the LMRWMO. If you have any questions or require any additional information, please do not hesitate to contact me.

Very truly yours,

CAMPBELL KNUTSON
Professional Association

By: _____
James J. Mongé III

Contact
jmonge@ck-law.com
651-234-6201

James J. Mongé, III

James J. Mongé, III is an associate attorney that practices in the areas of municipal law, eminent domain, land use, appellate law, and litigation. He also handles general municipal matters for all of the firm's municipal clients and serves as the City Attorney for the cities of Braham, Mora Shafer, Stacy and Woodland. Prior to joining Campbell Knutson, James served the League of Minnesota Cities as a property and casualty and land use litigator. In that role, he successfully defended cities throughout the State of Minnesota in district court, the Minnesota Court of Appeals, and the Minnesota Supreme Court. James was also responsible for updating the 2014 Minnesota Basic Code of Ordinances, a model code of ordinances for Minnesota cities. James served as judicial law clerk to the Honorable Paul T. Benshoof in Ninth Judicial District from 1998-2000.

Areas of Practice

General Municipal
Land Use
Eminent Domain
Litigation
Appellate

Education

MARQUETTE UNIVERSITY LAW SCHOOL
Milwaukee, Wisconsin
Juris Doctorate
Activities: Student Bar Association President

BOSTON COLLEGE
Chestnut Hill, Massachusetts
Bachelor of Arts
Major: Political Science

Bar Admissions

Minnesota Supreme Court
United States District Court, District of Minnesota
Wisconsin Supreme Court

Associations

Minnesota State Bar Association
Ramsey County Bar Association
Warren E. Burger Inn of Court
State Bar of Wisconsin

Contact
pasani@ck-law.com
651-234-6212

Petra Asani

Petra joined Campbell Knutson as a law clerk in 2022 and transitioned as an attorney in 2024. Prior to law school, Petra interned with the Honorable John F. Manydeeds of the Eau Claire County Circuit Courts and gained professional experience in business analysis and robotic process automation. During law school, she interned with a Twin Cities firm working in the areas of telecommunications, real estate, and land use law and worked as a part-time office manager for a local immigration clinic. Since joining the firm, Petra has worked in the areas of general municipal law and civil litigation for the firm's clients, including an emphasis on firearms law, expungement compliance, constitutional issues, personnel issues, and federal-local relations. Petra enjoys engaging her diverse interests intangibly and creatively helping communities achieve their goals through her work at the firm. In her spare time, Petra likes to spend time with her family and friends, read, explore the outdoors, and chase storms.

Areas of Practice

General Municipal Law & Litigation

Education

UNIVERSITY OF MINNESOTA LAW SCHOOL
Minneapolis, Minnesota
Juris Doctor
Activities/Awards:
– Student Director, Environmental Law Moot Court
– Student Director and Certified Student Attorney, Insurance Law Clinic
– Outstanding Performance in Lawyering Skills, Law in Practice Program

UNIVERSITY OF WISCONSIN-EAU CLAIRE *Eau Claire, Wisconsin*
B.B.A Information Systems, *summa cum laude*

Bar Admissions

Minnesota Supreme Court
United States District Court, District of Minnesota

Associations

Minnesota State Bar Association
Dakota County Bar Association

Proposal to provide

Engineering consulting services

Prepared for
Lower Mississippi River Watershed Management Organization

Submitted by
Barr Engineering Co.

August 6, 2026

August 6, 2026

Joe Barten
Lower Mississippi River Watershed Management Organization
Dakota County Soil and Water Conservation District
4100 220th Street West, Suite 102
Farmington, MN 55024

Re: Proposal to provide engineering consulting services

Dear Joe Barten and managers:

Barr Engineering Co. is pleased to submit our proposal to the Lower Mississippi River Watershed Management Organization (LMRWMO) for engineering consulting services. We have assisted the LMRWMO since 1987, gaining a thorough understanding of your watershed's history and physical environment, as well as the unique challenges and opportunities facing your organization. We look forward to continuing to provide the technical expertise and assistance you need to make informed decisions, achieve your goals, and successfully implement your 2023 watershed management plan. Some of the benefits of working with Barr include:

Commitment to working with you for the long haul. Having served the LMRWMO for nearly 40 years, our team understands your organization's approach to watershed management and your expectations. We have witnessed the evolution of the LMRWMO and your priorities, most recently documented in the development of your 2023 watershed management plan. We are committed to providing cost-effective, high-quality service through a core team that has served you for more than 10 years, offering continuity and a commitment to getting the work done right the first time, on schedule, and within budget. The dedication of our core team to your organization will continue to provide consistency during board transitions.

A multidisciplinary team with a wide breadth of expertise to address any challenges. With more than 1,100 engineers, scientists, and technical experts company-wide, we have the expertise and capacity to solve your most challenging problems, regardless of size or complexity. We can draw from a variety of disciplines, and our depth and breadth of staff are unmatched locally, giving you ready access to additional resources whenever your projects require them.

Focus on tailored solutions. We approach your projects with careful consideration of your specific goals, objectives, roles, and responsibilities, resulting in solutions tailored to your needs. We specialize in customizing both our project approach and project team, addressing your challenges as if they were our own, and providing solutions that meet your organization's needs.

Credibility. We have worked hard to establish a reputation as leaders in water resources management, and the LMRWMO benefits from Barr's extensive experience. Our ongoing watershed management work throughout Minnesota and our strong working relationships with agencies such as the Minnesota Board of Water and Soil Resources, Minnesota Pollution Control Agency, Metropolitan Council, and Minnesota Department of Natural Resources help our core team stay current on grant opportunities, evolving regulations, management trends, and emerging water resource issues.

Partner engagement and consensus building. We understand that engaging partners and building consensus are essential to gaining project support, building community capacity for water resources stewardship, and implementing solutions that reflect partner priorities. Barr works hard to design and facilitate meaningful partner involvement by seeking diverse perspectives, confirming that accurate information is shared openly and transparently, and creating opportunities for productive dialogue. Our efforts often include working closely with watershed managers, cities, counties, regulators, state and federal agencies, residents, and lake associations to address needs, build trust, and foster lasting partnerships.

Leveraging grant opportunities. Barr has extensive experience securing grant funding for organizations like yours to implement your projects and programs, including funding for water quality improvements at Lake Augusta and Sunfish Lake, Thompson Lake, and Cherokee Heights ravine, as well as watershed water quality modeling initiatives. We will continue to monitor funding opportunities and assist with grant applications for watershed and stormwater management, stream and ravine stabilization, flood control, ecological restoration, and brownfields redevelopment. We will also continue helping your organization and partners develop competitive, high-value projects for watershed-based implementation funding.

We appreciate the opportunity to share our qualifications and look forward to continuing to serve as your engineering consultant. If you have any questions, please feel free to contact us.

Sincerely,

Janna Kieffer, PE
Vice President, Principal in Charge
952.832.2785
jkieffer@barr.com

Greg Williams, PE
Project Manager
952.832.2945
gwilliams@barr.com

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About Barr

Barr's roots trace back to Adolph Meyer, a renowned hydrologist of the early 20th century. Doug Barr began work with Mr. Meyer in the 1950s and built a practice of his own while learning from this skilled hydrologist. By the time the company was incorporated as an employee-owned firm in 1966, it had 16 employees. Today, Barr Engineering Co. has over 1,100 employees in Minnesota, North Dakota, Michigan, Missouri, Colorado, Utah, Nevada, New Mexico, Washington, Saskatchewan, and Alberta.

Our commitment to water resources remains strong. Over 100 of our Minneapolis-based engineers and scientists are engaged in water resources engineering and design, stormwater management, wetland management, limnology, and landscape ecology. Our breadth and depth of experience mean that we can provide an innovative solution to any water resources challenge we encounter.

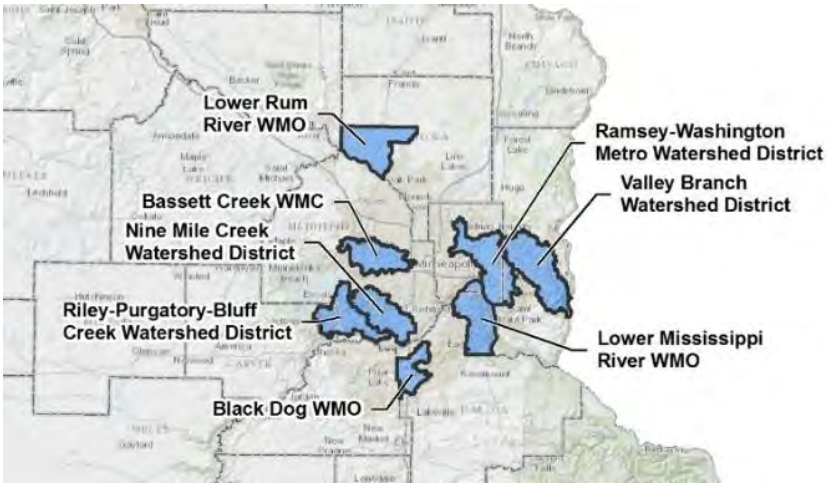
Strong commitment to watershed management organizations

Since the early 1960s, Barr has worked with more than 20 watershed management organizations and has served several of them continuously for over 50 years. This gives us a comprehensive, in-depth understanding of the challenges watershed organizations face and enables us to be at the forefront of innovation in water resource management. We have honed our expertise in the areas of:

- Watershed planning
- Public involvement and partner engagement
- Surface water quality, including water chemistry, aquatic plants, fisheries, and invasive species
- Subwatershed and resource assessments, including lake management plans and total maximum daily loads (TMDLs)
- Stream assessment, management, and restoration
- Stormwater management, including traditional and non-traditional best management practices (BMPs), low-impact development, rate and volume modeling, and permit review
- Flood risk and floodplain management, including policy, feasibility studies, and climate resiliency
- Groundwater management
- Wetland management and restoration, including the Minnesota Wetland Conservation Act and other state and federal regulations
- Erosion prevention and sediment control
- Feasibility studies and capital improvements
- Funding assistance and grant administration

We currently serve as primary consultant (*) or as part of a select consultant pool for the following watershed organizations. The dates in parentheses indicate when we began working with each.

- Nine Mile Creek Watershed District (1960)*
- Bassett Creek Watershed Management Organization (1969)*
- Valley Branch Watershed District (1969)*
- Riley Purgatory Bluff Creek Watershed District (1969)*
- Ramsey-Washington Metro Watershed District (1975)*
- Lower Mississippi River Watershed Management Organization (1987)*
- Lower Rum River Water Management Organization (1987)*
- Sauk River Watershed District (1990)
- Black Dog Watershed Management Organization (1996)*
- Lake Pelican Water Project District (1998)*
- Capitol Region Watershed District (2000)
- Cedar River Watershed District (2007)
- Shell Rock River Watershed District (2008)
- Scott Watershed Management Organization (2012)



Barr serves as the primary consultant to several watershed districts and water management organizations in the seven-county metro area, including the LMRWMO.

Barr and the LMRWMO

Barr has served as engineer for the LMRWMO since 1987. During the past 39 years, we have helped your organization address flooding, water quality, ecological health, intercommunity stormwater drainage, and planning issues. We understand that you rely on Barr as a trusted advisor to provide the managers with the information and interpretation necessary to make good resource management decisions based on sound science. We also understand that, as a joint powers organization, cooperative relationships with your member cities and partners are critical to achieving your goals efficiently. As your engineer, our staff members help the administrator promote a collaborative atmosphere for discussion while maintaining a clear understanding of your goals and priorities.

Over the past decade in particular, we have appreciated the opportunity to help the LMRWMO leverage increased public funding to implement major water quality improvements and conduct the watershed modeling prioritized in your watershed management plan. We look forward to maintaining and strengthening our relationship as resource issues, partner priorities and capacities, regulatory environments, and funding sources continue to evolve.

Key Barr team members

Barr uses a team approach to serving clients and managing their projects, matching our personnel's expertise to the unique requirements of each job. Brief descriptions of qualifications are provided below for key personnel who can best serve your needs. In addition to the people listed here, you have access to our nearly 170 additional water resources staff members.

Role
Principal in charge

Education
MS, Civil Engineering

Registration
Professional Engineer: Minnesota, Michigan

2026 billing rate
$230

Janna Kieffer, PE | Vice President, Senior Water Resources Engineer

Janna has 26 years of experience in water resources management and serves as a principal, project manager, and technical expert for watershed management organizations and municipal clients. Her work includes watershed planning, hydrologic and hydraulic (H&H) modeling, water quality modeling, lake management studies, BMP performance assessments, engineering feasibility studies, and stormwater analyses for low-impact development sites. Janna has worked with the LMRWMO since 2008.

Work with the LMRWMO:

- Overseeing H&H and water quality modeling of select watersheds draining to priority water bodies in the LMRWMO.
- Overseeing development of the LMRWMO's 2023–2033 watershed management plan.
- Overseeing the LMRWMO watershed restoration and protection strategy (WRAPS) project and managing the partner engagement process.
- Managing the Cherokee Heights culvert analysis and erosion control feasibility study for the LMRWMO.
- Assisting the LMRWMO in applying for and securing Clean Water Fund grants to address water quality in Thompson Lake, Sunfish Lake, Lake Augusta, and Pickerel Lake.

Additional project experience:

- Developing performance standards and a BMP credit calculator to promote low-impact development through the minimal impact design standards (MIDS) project for the Minnesota Pollution Control Agency (MPCA).
- Conducting and managing stormwater modeling projects, including Atlas 14 precipitation updates.
- Developing a storm sewer failure risk assessment in Minnetonka to plan and prioritize system inspections, maintenance, and replacement.
- Developing a pond inventory and maintenance program for the City of Minnetonka and overseeing pond sediment characterization for numerous cities.
- Completing diagnostic feasibility studies for numerous lakes in the Twin Cities, including analysis of water quality problems and identification and conceptual design of stormwater BMPs.

Role

Project manager

Education

MSCE, Civil and Environmental Engineering

Registration

Professional Engineer: Minnesota

2026 billing rate

$195

Greg Williams, PE | Senior Water Resources Engineer

Greg has 20 years of experience providing water resources services to watershed management organizations, cities, and industrial clients. He specializes in watershed management planning and H&H and water quality modeling of urban and rural watersheds. His experience enables him to synthesize input from clients and other partners to develop solutions to challenging problems related to water quality, hydrology, and resource management. Greg has served as engineer for the LMRWMO since 2015.

Work with the LMRWMO:

- Developing modeling guidance to promote consistency in future LMRWMO and city modeling efforts.
- Leading development of the LMRWMO's updated 2023–2033 watershed management plan, adopted in February 2023.
- Reviewing city local water management plans for consistency with LMRWMO and state requirements.
- Helping the LMRWMO apply for and secure a Clean Water Fund accelerated implementation grant for water quality modeling of priority subwatersheds.
- Updating H&H modeling and the associated allowable-flow cost breakdown for the Seidls Lake lift station project.
- Helping the LMRWMO apply for and secure two Clean Water Fund grants to address water quality in Thompson Lake, Sunfish Lake, and Lake Augusta.
- Developing and evaluating different cost allocation methods for water quality improvement projects among contributing communities (i.e., "allowable load" methods).

Other project experience:

- Developing a climate resilience framework to support the implementation of Capitol Region Watershed District's watershed management plan.
- Helping the City of Edina develop a Clean Water Strategy, including prioritizing the management of city water bodies.
- Helping the South Washington Watershed District update its stormwater management design manual for developers.
- Managing watershed management plan updates for the Black Dog Watershed Management Organization (2022), Bassett Creek Watershed Management Commission (2025), Lower Rum River Watershed Management Organization (2021), Nine Mile Creek Watershed District (2027), Ramsey-Washington Metro Watershed District (2027), and Valley Branch Watershed District (2026).
- Updating local water plans for the cities of Apple Valley, Golden Valley, Hastings, Inver Grove Heights, Lakeville, Richfield, and St. Louis Park.
- Helping the City of Inver Grove Heights develop a framework for managing the flood risk of landlocked basins.
- Managing the development of three comprehensive watershed management plans for the Cedar River, Zumbro River, and Lower Minnesota River West watersheds through the Minnesota Board of Water and Soil Resources' (BWSR) One Watershed, One Plan (1W1P) program.
- Helping the City of Edina model and evaluate flood risk mitigation options for prioritized areas in the city.
- Developing a process for prioritizing capital project implementation for the Bassett Creek Watershed Management Commission and Riley Purgatory Bluff Creek Watershed District.

Education

MS, Civil Engineering

Registration

Professional Engineer: Minnesota

2026 billing rate

$215

Greg Wilson, PE | Senior Water Resources Engineer

Greg has 36 years of experience in water resources management. His expertise includes water quality modeling, TMDL and WRAPS preparation and reporting, 1W1P and nine-element planning, geographic information systems (GIS), limnology, hydrology and hydraulics, National Pollutant Discharge Elimination System (NPDES) and wetland permitting, design applications for water resources, watershed and lake management plans, stormwater pollution prevention plans, and public education and outreach.

Work with the LMRWMO:

- Managing a water quality improvement and outlet feasibility study for Lake Augusta. Updated and calibrated watershed and in-lake modeling to evaluate watershed and lake water management options to improve water quality and alleviate high water levels.
- Managing engineering services for in-lake aluminum sulfate (alum) treatments for Lake Augusta and Sunfish Lake to improve lake water quality, including sediment core collection and analysis, determination of an alum dosage plan, cost estimate development, preparation of contract documents, permitting, contract administration, and treatment oversight. Helped the LMRWMO meet BWSR project assurances for alum treatments and assisted with data analysis to delist Sunfish Lake.
- Managing technical work for the LMRWMO TMDL and WRAPS, including water quality and quantity monitoring and modeling, TMDL development, and water quality improvement options.
- Developing a feasibility study as a follow-up to the water quality modeling study for the Ivy Falls Creek, Interstate Valley Creek, and West/Central/East Highway 13 watersheds.

Other project experience:

- Managing 15 recent TMDL and WRAPS studies of Minnesota watersheds, including Little Rock Creek, Cedar and McMahon Lakes, Big Sandy Area Lakes, Wirth Lake, Lake Harriet, Lake St. Croix, Sand Creek, Bluff Creek, Deer Creek, Zumbro River, West Fork Des Moines River, Cedar River, Lower Mississippi River, Riley Purgatory Bluff Creek, and Nine Mile Creek.
- Completing GIS terrain analysis to target and prioritize the implementation of conservation practice locations throughout the Cedar River and Zumbro River watersheds.
- Serving as project manager, technical resource, and primary author of the MPCA's *Detailed Assessment of Phosphorus Sources to Minnesota Watersheds*.
- Serving as project manager and technical resource for the development of a chloride source assessment model, detailed specifications document, and platform recommendations for interfacing with an updated version of the MPCA's Smart Salting Assessment tool.
- Serving as project manager, technical resource, and author of updated content for infiltration practices, vegetation, compost, bioretention media, and a TMDL toolkit for municipal separate storm sewer system (MS4) permit compliance in the MPCA's *Minnesota Stormwater Manual*, and researching the efficacy of highway swales to reduce stormwater runoff volume as well as the application of spent lime to control internal phosphorus release from stormwater ponds.

Education

MS, Environmental Engineering

Registration

Professional Engineer: Minnesota

2026 billing rate

$185

Michael McKinney, PE | Senior Water Resources Engineer

Michael specializes in H&H modeling, water quality modeling, and project management. He has more than 13 years of experience in BMP design and stormwater infrastructure design and has developed numerous large, calibrated water quality and hydraulic models. He is a proficient technical writer and researcher and has co-authored multiple stream and lake TMDLs, stressor identification reports, manuals, project reports, and studies. Michael produces innovative modeling products and feasibility studies and has developed studies on flood risk analysis, infrastructure failure risk, pond sediment management prioritization, flood area prioritization, and street sweeping prioritization.

Work with the LMRWMO:

- Presenting H&H and water quality modeling methods to the LMRWMO board and scoping LMRWMO modeling projects.
- Conducting cost allocation for the construction of emergency overflow from regional basin T-23.

Other project experience:

- Managing the development of intersection-scale XPSWMM and P8 models for the 8,000-acre watershed to Capitol Region Watershed District's Trout Brook interceptor. The calibrated models are being used to inform development studies, rank and prioritize flood areas, and complete flood mitigation feasibility studies.
- Managing the Nine Mile Creek Watershed District's Atlas 14 risk and resiliency project. Calibrated models created during this project are being used for a variety of applications, ranging from identifying large-scale flood mitigation opportunities along the corridor to developing a flood risk communication strategy.
- Developing a GIS-based water quality model (GIS WQM) for the City of Minneapolis. The empirical, annualized model can predict pollutant loading from land use based on density characteristics, estimate removal by BMPs, and track pollutant loading and impacts of treatment trains across all elements of the link-node routing network. The city is using the model for water quality evaluation and asset management.
- Performing water quality modeling and helping develop TMDL reports for the Valley Branch Watershed District and Ramsey-Washington Metro Watershed District.
- Developing an infrastructure failure risk study for the Hennepin County Railroad Authority. The study evaluated the likelihood and consequences of culvert crossing failure of county-owned infrastructure.
- Developing a street-sweeping prioritization study for the Ramsey-Washington Metro Watershed District.
- Designing and developing a pond performance and assessment prioritization study for the Ramsey-Washington Metro Watershed District.

Education

MS, Civil Engineering

Registration

Professional Engineer: Minnesota

2026 billing rate

$175

Tyler Olsen, PE | Water Resources Engineer

Tyler has over eight years of experience focused on applied stormwater and water quality solutions. He works on and manages projects involving stormwater management and planning, flood risk assessment, surface water quality analysis, and green infrastructure and BMP design for watershed organizations, counties, and municipalities across the Twin Cities. Tyler translates technical modeling and monitoring data into practical, implementable strategies that support water quality improvement, effective stormwater management, and long-term watershed resilience. He sees projects from initial analysis to implementation, confirming that recommendations consider constructability, maintenance needs, and regulatory and operational constraints. For many metro watershed clients, Tyler has led subwatershed feasibility studies for impaired and at-risk water bodies to identify BMP implementation opportunities; developed watershed-scale frameworks to proactively identify areas for stormwater BMP retrofits; led multiple flood risk reduction feasibility studies and subsequent construction projects; designed green infrastructure projects; managed annual water quality reporting; and successfully secured grant funding to advance implementation.

Work with the LMRWMO:

- Managing H&H and water quality modeling of select watersheds draining to priority water bodies in the LMRWMO.

Project experience:

- Managing an alternatives analysis and design for the Vadnais Lake Area Watershed Management Organization for a regional water quality BMP in the Wilkinson Lake watershed to reduce nutrient and sediment loading.
- Managing feasibility studies for at-risk and impaired water bodies for the Ramsey-Washington Metro Watershed District to identify potential BMP and green infrastructure implementation locations and prioritize planning efforts for areas of interest within the watershed.
- Developing a chloride reduction prioritization framework for the Ramsey-Washington Metro Watershed District in conjunction with its 2027–2036 watershed management plan update.
- Designing and overseeing the construction of a regional filtration BMP to improve water quality in Lake Emily in the Ramsey-Washington Metro Watershed District.
- Overseeing P8 and in-lake water quality modeling for a comprehensive lake management plan for the South Washington Watershed District.
- Creating H&H models to help prioritize future flood mitigation and water quality improvement projects for the Mississippi Watershed Management Organization.
- Conducting P8 water quality modeling for Minneapolis, Columbia Heights, Fridley, Hilltop, and the Mississippi Watershed Management Organization.
- Performing P8 water quality modeling for Capitol Region Watershed District and the City of Saint Paul for redevelopment of the former Ford plant site.
- Conducting XPSWMM modeling for an amendment to the City of Edina's comprehensive water management plan.
- Completing XPSWMM and P8 water quality modeling in the Norton Creek and Farr Lake subwatersheds to identify flood risk reduction and water quality improvement projects for the City of Fridley.
- Conducting P8 water quality modeling of the Wakefield Lake watershed for the Ramsey-Washington Metro Watershed District.

Barr's watershed management services

Barr has served as engineer for the LMRWMO since 1987. Our services have included watershed planning, flooding and water quality analyses, intercommunity stormwater management assistance, stream management and restoration assessments, and grant funding.

Recently, we have enjoyed assisting the LMRWMO with water quality, planning, and modeling projects. For the WRAPS study, we monitored lakes and Ivy Falls Creek, analyzed and diagnosed lake water quality problems, identified management practices in the upstream watersheds and within the lakes to improve water quality, and determined load and wasteload allocations.

In 2015, Barr completed the Cherokee Heights culvert analysis and erosion control feasibility study, which involved stormwater modeling analysis, assessment of erosion issues, geotechnical modeling, and conceptual design of options to reduce peak flows.

We then helped the LMRWMO secure three competitive Clean Water Fund grants to 1) install water quality BMPs and stabilize the upper 300 feet of the Cherokee Heights ravine, 2) construct stormwater improvements upstream of Thompson Lake, and 3) perform alum treatments to limit internal phosphorus loading in Lake August and Sunfish Lake. Barr further assisted in the design and implementation of the Cherokee Heights ravine, Lake Augusta, and Sunfish Lake projects. In 2022, we completed the Lake Augusta water quality improvement and outlet feasibility study for the LMRWMO and the City of Mendota Heights. The study evaluated sources of phosphorus loading and potential management actions.

Currently, Barr is working with the LMRWMO and your member cities to conduct H&H and water quality modeling of areas draining to priority water bodies. The project will identify priority opportunities to improve water quality and/or reduce flood risk.

We understand that as a joint powers organization, the LMRWMO relies on cooperative relationships with your member cities and partners to achieve your goals. We strongly believe that partner participation results in better project outcomes. Throughout the WRAPS, water quality projects, and recent watershed management plan update, Barr worked closely with partners—including city staff members and representatives, LMRWMO board members, agencies, residents, and other local government representatives—to understand concerns and gather feedback. These projects demonstrate the range and depth of Barr's services, which are described in more detail on the following pages.

Watershed planning and management

Key personnel

Louise Heffernan

Janna Kieffer

Greg Williams

Barr has provided engineering expertise to watershed management organizations and federal, state, and municipal clients for more than 60 years, and our water resources team has grown to include more than 170 water resources engineers and scientists. Whether you have a specific concern or need help with multiple complex watershed issues, we can provide practical, affordable, and environmentally responsible solutions based on sound science. We've written dozens of watershed management plans and updates and have helped more than 50 municipalities develop local water management plans.

Barr recently assisted the LMRWMO board of managers in updating your fourth-generation plan, which was adopted in February 2023. Throughout the process, we provided managers with the information and experience needed to confidently develop a plan that includes prioritized, targeted, and measurable actions. Barr worked with the managers and member cities to adopt more stringent water quality standards in prioritized "regulatory watersheds."

We can also help secure grants to fund projects, including brownfields redevelopment, watershed and stormwater management, and flood control. We have helped prepare winning applications for public and private clients, including the LMRWMO, with awards ranging from $10,000 to $10 million.

Our services include:

- Coordinating closely with administrators, managers, cities, regulatory agencies, and other partners
- Tracking grant opportunities and assisting with grant applications
- Conducting project cost allocation analyses
- Developing rules, regulations, and performance standards for watershed organizations
- Preparing watershed management plans and amendments
- Tracking and documenting progress toward measurable plan goals for agency and public reporting
- Conducting gap analyses for watershed organizations
- Reviewing local watershed management plans for conformance with watershed organization plans
- Coordinating and facilitating resident and partner involvement
- Preparing annual reports
- Reviewing development and redevelopment plans and projects
- Providing administrative support

Water quality studies, TMDLs, and project implementation

Key personnel

Joe Bischoff

Kevin Menken

Tyler Olsen

Keith Pilgrim

Katie Turpin-Nagel

Greg Wilson

Barr conducts surface water quality studies and develops management plans for lakes, streams, and wetlands to achieve goals specific to those water bodies. We are an MPCA-approved contractor for water quality assessments and have completed more than 30 TMDL studies and WRAPS projects. Many are large-scale and/or multiple-impairment studies.

Barr also helps our clients identify, design, and implement water quality improvement projects. From 2016 to 2020, we assisted the LMRWMO in completing in-lake alum treatments of Sunfish Lake and Lake Augusta to reduce internal phosphorus loading. We have conducted follow-up monitoring to assess project performance and next steps.

In 2022, Barr completed the Lake Augusta water quality improvement and outlet feasibility study for the LMRWMO and the City of Mendota Heights. The study evaluated sources of phosphorus loading and potential management actions.

Barr also develops lake and stream monitoring programs for watershed management organizations and municipalities, tailored to specific monitoring objectives and designed to establish baseline information on water quality and quantity, track trends and identify changes over time, and support more detailed analyses of water body health.

Our services include:

- Completing lake and stream diagnostic feasibility studies to determine the causes of poor water quality and evaluate the feasibility and benefit of practices to improve water quality
- Completing TMDL, WRAPS, and similar water quality studies for clients and the MPCA, including the development of TMDL reports and implementation plans
- Conducting water quality modeling to identify pollutant sources and prioritize improvement efforts
- Collecting, analyzing, and reporting on water chemistry and biological data for lakes, including survey and assessment of impacts from rough fish
- Developing chloride reduction strategies and management plans to reduce winter salt use and chloride loading to water bodies
- Managing and monitoring aquatic plants
- Designing and managing in-lake aluminum sulfate (alum) treatments to improve lake water quality
- Designing stormwater BMPs to improve downstream water quality

Public and partner education and engagement

Key personnel

Erin Anderson Wenz

Brendan Dougherty

Fred Rozumalski

Katie Turpin-Nagel

Barr helps water organizations educate their boards, partners, and residents about water-related issues. Whether it's facilitating a public meeting about policies or plans, presenting to boards, or conducting BMP "how-to" workshops, we can employ education as a component of design projects or as an independent service. We use a community-based approach that is inclusive, transparent, and open, providing everyone with an opportunity to listen, learn, and participate. We understand that the best solutions often come from partners, leading to greater acceptance and buy-in.

Barr is experienced in facilitating in-person, virtual, and hybrid engagement activities. Recent examples include partner and resident engagement for the LMRWMO's watershed management plan update and the Lake Augusta water quality improvement and outlet feasibility study.

Our public participation methods and techniques include:

- Focus group meetings and interviews
- Steering and advisory committee facilitation
- Public presentations and open houses
- In-person and web-based public input surveys
- Design charrettes and workshops
- Community walkabouts
- Resident photograph surveys
- Web-based communication

Our education services include:

- Presentations
- Seminars and brochures on innovative stormwater BMPs
- Educational workshops
- Detailed maps and instructions
- Attractive, easy-to-understand interpretive signage
- Materials that are accessible to lay people as well as useful for experts

Stormwater and floodplain management

Key personnel

Brandon Barnes

Michelle Kimble

Michael McKinney

Tyler Olsen

Joe Waln

Local and state regulatory agencies have increased their oversight of stormwater, resulting in greater focus on stormwater BMPs that reduce runoff rate and volume, as well as associated pollutant loading. Barr's knowledge of and experience with alternative and innovative stormwater practices allow us to suggest creative solutions to stormwater problems on challenging sites, such as the hydrodynamic separators used upstream of the Cherokee Heights ravine.

When it comes to urban stormwater BMPs, we wrote the book: the Metropolitan Council's *Minnesota Urban Small Sites BMP Manual*. This manual served as a model for the *Minnesota Stormwater Manual* published by the MPCA. Barr was also the primary consultant to the MPCA for the MIDS project, which included developing stormwater performance standards and a BMP credit calculator to promote the implementation of low-impact development.

Changing trends in precipitation amounts and intensities place increasing pressure on stormwater infrastructure and the cities and watershed management organizations tasked with protecting public safety and property. Barr's experience in H&H modeling, risk assessment, and regulatory policy maintains our position at the forefront of floodplain management issues.

Our services include:

- Evaluating stormwater management systems using computer models to estimate watershed runoff and flow through detailed storm sewer networks
- Inventorying and evaluating sediment accumulation in stormwater ponds, including surveying ponds, collecting sediment samples, evaluating laboratory results of sediment samples, and obtaining necessary permits for sediment removal projects
- Installing and operating stormwater flow and water quality equipment
- Designing and overseeing construction of stormwater infrastructure, including storm sewers, stormwater treatment BMPs, stormwater detention ponds, flood protection measures, and dams
- Helping cities and other MS4 operators meet their NPDES permitting requirements
- Conducting H&H modeling
- Conducting flood insurance studies
- Mapping floodplains and completing map revisions
- Assisting communities with levy certification
- Assisting with floodplain permitting
- Conducting dam failure analyses
- Designing flood control structures

Stream and ravine restoration and protection

Key personnel

Peter Hinck

Tom MacDonald

Jessica Olson

Josh Phillips

The LMRWMO's watershed management plan, developed with assistance from Barr, places a renewed emphasis on watershed streams and Mississippi River direct drainages. We understand that these areas will be the focus of several LMRWMO studies and projects over the next several years, and we look forward to assisting you with these efforts.

Barr is a leader in implementing ecological methods for stream restoration, habitat preservation, and erosion control. Our approach involves understanding the physical, chemical, and biological characteristics of a stream or riparian area. We gather data from a variety of sources—including our own TMDL or diagnostic studies—and analyze it to identify problem sources and solutions. Our stream and ravine stabilization projects within the Twin Cities area have included:

Streams
- Bassett Creek
- Battle Creek
- Fish Creek
- Minnehaha Creek
- Nine Mile Creek
- Purgatory Creek
- Raleigh Creek
- Riley Creek
- Shingle Creek
- Valley Creek

Ravines
- Battle Creek Regional Park (Saint Paul)
- Carver ravine (Woodbury)
- Cook/Gannon landslide (Richmond)
- DeMontreville ravine (Lake Elmo)
- Fish Creek ravine (Maplewood and Saint Paul)
- Glen Place ravine (St. Louis Park)
- Industrial Park ravine (Hastings)
- Lake Rebecca/County Road 42 (Hastings)
- Mississippi River lower gorge (Minneapolis)
- Mississippi River bluff (Minneapolis)
- Riley Creek lower valley (Eden Prairie)
- West 110th Street eroding ravine (Bloomington)

Our services include:
- Evaluating and designing stream and ravine stabilization measures and overseeing construction
- Conducting ecological use classification of stream systems
- Developing erosion control management plans for creek systems
- Installing and operating automated stream monitoring equipment for flow and water quality
- Performing biotic index monitoring and fish surveys

Ecological planning and low-impact development design

Key personnel

Nathan Campeau

Brendan Dougherty

Matt Metzger

Fred Rozumalski

Barr understands the interaction between the natural and built environment. Using this as a basis for design, we look for affordable, long-term solutions that blend traditional engineering practices with an ecologically sound approach that balances ecological function, watershed characteristics, and hydrologic conditions with people's use of the site. During the development review process, we encourage the use of innovative stormwater management techniques, such as iron-enhanced sand filtration, where appropriate.

Within the LMRWMO, this work has included consideration of water reuse in the initial design of improvements to Thompson Lake Park and the use of ecologically integrated practices in the Cherokee Heights ravine stabilization project.

Since 2010, Barr has been working on major portions of the MPCA's MIDS project, including coordinating with partner groups to provide information to set voluntary statewide stormwater management performance goals and developing a credit system for quantifying BMP performance.

Our services include:

- Designing development and redevelopment sites using low-impact design principles
- Designing low-impact development stormwater BMPs, such as rain gardens and infiltration and filtration systems
- Master planning for stormwater and natural resources management
- Lakescaping to improve shoreline stability and habitat
- Conducting environmental reviews
- Managing fish and wildlife
- Planning greenways

Wetland management

Key personnel

Jess Butler

Dan Tix

Karen Wold

Barr has been involved in administering the Wetland Conservation Act since the law's inception in 1991. We have developed in-depth knowledge of the law and its administration, having provided wetland services since the law's enactment and through the four major amendments adopted since the permanent rules took effect in 1993.

Barr's wetland team includes several Minnesota-certified wetland delineators with decades of experience. Our experts are at the forefront of recent changes to industry-standard wetland assessment methods in Minnesota and are helping our clients navigate the new assessment framework.

Our services include:

- Delineating wetland boundaries and identifying wetland classifications
- Developing wetland inventories and function and value assessments
- Monitoring wetlands and training others to monitor wetlands
- Designing and implementing wetland restoration plans
- Completing wetland mitigation planning and permitting
- Helping local government units administer the Minnesota Wetland Conservation Act
- Evaluating wetland hydrology and potential impacts of hydrologic modifications

Summary of Barr's services to watershed organizations

Watershed organization	Watershed planning and management	Stormwater management and review of development plans	Stream and ravine stabilization and protection	Water quality studies and implementation	Capital improvement program assistance and flood control projects	Stream and lake monitoring	Innovative stormwater management
Bassett Creek	●	●	●	●	●	●	●
Black Dog	●	●		●	●	●	●
Capitol Region	●	●	●	●	●	●	●
Carver County	●	●		●			●
Cedar River	●	●		●	●	●	●
Elm Creek	●	●		●	●		
Lake Pelican	●	●		●	●		●
Lower Mississippi	●	●	●	●	●	●	●
Lower Rum River	●	●	●	●	●		
Mississippi	●		●		●		●
Nine Mile Creek	●	●	●	●	●	●	●
North Fork Crow River	●		●				
Ramsey-Washington	●	●	●	●	●	●	●
Prior Lake-Spring Lake	●	●		●	●	●	
Riley Purgatory Bluff Creek	●	●	●	●	●	●	●
Sauk River	●	●	●	●	●	●	
Scott	●	●	●	●	●	●	●
Shell Rock River	●	●	●	●	●	●	●
Thirty Lakes	●	●					
Turtle Creek	●	●		●			
Valley Branch	●	●	●	●	●	●	●
Zumbro	●		●	●	●	●	

References

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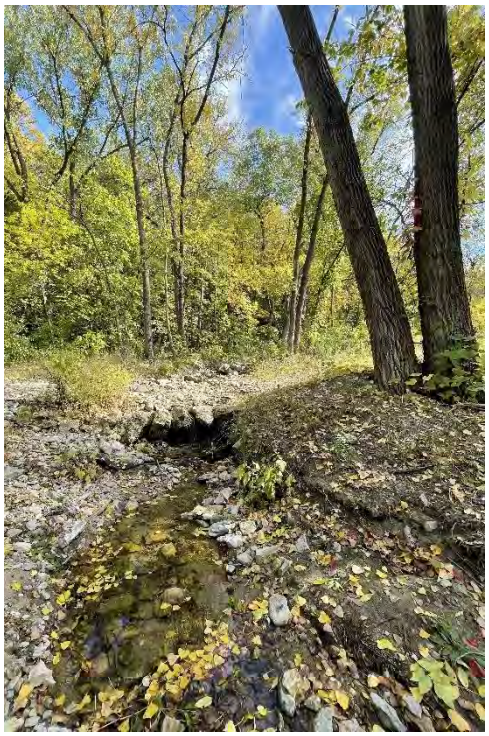

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2026 fee schedule

Barr's fee schedule, presented below, summarizes the range of billing rates for each of our staffing categories. In many cases, these billing rates span a wide range, depending on the varying levels of experience and expertise of staff within these categories. When building a team for LMRWMO projects, appropriate staff members will be selected, considering both relevant experience and billing rates, to help ensure that the LMRWMO receives high-value services at a reasonable cost. The fee schedule below will be effective through 2026.

Description	Rate* (U.S. dollars)
Principal/Vice President	$190-375
Consultant/Advisor	$210-325
Engineer/Scientist/Specialist IV	$185-205
Engineer/Scientist/Specialist III	$155-180
Engineer/Scientist/Specialist II	$130-150
Engineer/Scientist/Specialist I	$95-125
Technician IV	$155-205
Technician III	$125-150
Technician II	$95-120
Technician I	$60-90
Support Personnel III	$155-205
Support Personnel II	$95-150
Support Personnel I	$60-90

Rates for litigation support services will include a 30-percent surcharge.

A 10-percent markup will be added to subcontracts for professional support and construction services to cover overhead and insurance surcharge expenses.

Invoices are payable within 30 days of the invoice date. Any amount not paid within 30 days shall bear interest from the date 10 days after the date of the invoice at a rate equal to the lesser of 18 percent per annum or the highest rate allowed by applicable law.

Meals will be reimbursed on a per diem basis. For travel destinations within the continental U.S. (CONUS), the per diem rate will be as published by the U.S. Internal Revenue Service (IRS) based on the high-low method. For travel destinations outside the CONUS list, the per diem rate will be as published by the U.S. Department of State for foreign per diem rates. Full-day per diem rates will be prorated on travel days.

All other reimbursable expenses, including but not limited to transportation, lodging, parking, postage, shipping, and incidental charges, will be billed at actual, reasonable cost. Mileage will be billed at the IRS-allowable rate.

Materials and supplies charges, printing charges, and equipment rental charges will be billed in accordance with Barr's standard rate schedules.

*Rates do not include sales tax on services that may be required in some jurisdictions.

Principal/vice president: consultants, advisors, engineers, scientists, and specialists who are officers of the company

Consultant/advisor: experienced personnel in a variety of fields; typically have advanced backgrounds in their areas of practice and include engineers, engineering specialists, scientists, related technical professionals, and professionals in complementary service areas such as communications and public affairs

Engineer/scientist/specialist: registered professionals and professionals in training (e.g., engineers, geologists, and landscape architects) and graduates of engineering and science degree programs

Technician: CADD operators, construction observers, cost estimators, data management technicians, designers, drafters, interns, safety technicians, and surveyors, as well as water, air, and waste samplers

Support personnel: information management, project accounting, report production, word processing, and other project support personnel