

November 19, 2024



Upper Mississippi River
Basin Association

172nd Quarterly Meeting

Agenda
with
Background
and
Supporting
Materials

Hampton Inn Alton
Alton, IL

Agenda
November 19, 2024

Time	Topic	Presenter
11:00 a.m.	Call to Order and Introductions	Grant Wilson, <i>Minnesota DNR</i> <i>UMRBA Board Chair</i>
11:10	A1-6 Approval of Minutes of August 6, 2024 Meeting	
11:15	B1-20 Executive Director's Report	Kirsten Wallace, <i>UMRBA</i>
11:30	UMRBA Water Quality Report	Nicole Vidales, <i>Illinois EPA</i> , <i>UMRBA WQEC Chair</i>
12:00 noon	Lunch	
12:45 p.m.	Water Availability and Supply Resiliency	
	C1 <ul style="list-style-type: none"> ▪ UMRBA Water Availability Assessment Partnership Project 	Kirsten Wallace, <i>UMRBA</i> and Lori Sprague, <i>USGS</i>
	C2-4 <ul style="list-style-type: none"> ▪ Missouri River Basin Water Diversion Proposal ▪ 2024 Navigation Channel Report 	Kirsten Wallace, <i>UMRBA</i> Lou Dellorco, <i>USACE</i>
1:15	Break	
1:30	D1 Public Engagement in Flow Frequency Studies <ul style="list-style-type: none"> ▪ Missouri River Lessons Learned and Advice to the UMRS — Stakeholder Panel ▪ UMRS Initial Stakeholder Assessment ▪ UMRS Study Project Briefing 	Colleen Roberts, <i>USACE</i> <i>TBD</i> UMRBA Board Members Scott Whitney, <i>USACE</i>
2:50	E1-8 Administrative Issues <ul style="list-style-type: none"> ▪ Future Meeting Schedule 	Grant Wilson, <i>Minnesota DNR</i>
3:00 p.m.	Adjourn	

ATTACHMENT A

Minutes of the August 6, 2024 **UMRBA Quarterly Meeting**

(A-1 to A-6)

**Draft
Minutes of the 171th Quarterly Meeting
of the
Upper Mississippi River Basin Association**

**August 6, 2024
Edina, Minnesota**

Grant Wilson called the meeting to order at 1:00 p.m. Participants were as follows:

UMRBA Representatives and Alternates:

Rick Pohlman	Illinois Department of Natural Resources
Tim Hall	Iowa Department of Natural Resources
Jake Hansen	Iowa Department of Agriculture and Land Stewardship
Grant Wilson	Minnesota Department of Natural Resources
Dana Vanderbosch	Minnesota Pollution Control Agency
Patrick Phenow	Minnesota Department of Transportation
Chris Wieberg	Missouri Department of Natural Resources
Chris Klenklen	Missouri Department of Agriculture
Matt Vitello	Missouri Department of Conservation
Wade Strickland	Wisconsin Department of Natural Resources

Federal UMRBA Liaisons:

JC Nelson	U.S. Geological Survey, Midcontinent Region
Sabrina Chandler	U.S. Fish and Wildlife Service

Others in Attendance:

Kirk Hansen	Iowa Department of Natural Resources
Dave Glover	Illinois Department of Natural Resources
John Seitz	Illinois Department of Natural Resources
Erin Fanning	Missouri Department of Natural Resources
Vanessa Perry	Wisconsin Department of Natural Resources
Karl Jansen	U.S. Army Corps of Engineers, St. Paul District
Angela Deen	U.S. Army Corps of Engineers, St. Paul District
Matt Coffelt	U.S. Army Corps of Engineers, Rock Island District
Marshall Plumley	U.S. Army Corps of Engineers, Rock Island District
Davi Michl	U.S. Army Corps of Engineers, Rock Island District
John Peukert	U.S. Army Corps of Engineers, St. Louis District
Jonathon Sobiech	U.S. Army Corps of Engineers, RPEDN
Brian Johnson	U.S. Army Corps of Engineers, RPEDN

Christian Myers	U.S. Fish and Wildlife Service, National Wildlife Refuge System
Mike Welvaert	National Oceanic and Atmospheric Administration, NWS
Charlie Hammond	Congresswoman Betty McCollum
Rebecca Taylor	Congresswoman Betty McCollum
Lindsay Brice	Audubon
Alex Keilty	Lake Pepin Legacy Alliance
Doug Blodgett	The Nature Conservancy
Liz Crow	The Nature Conservancy
Bryan Hopkins	The Nature Conservancy
Kirsten Wallace	Upper Mississippi River Basin Association
Brian Stenquist	Upper Mississippi River Basin Association
Mark Ellis	Upper Mississippi River Basin Association
Sam Hund	Upper Mississippi River Basin Association
Natalie Lenzen	Upper Mississippi River Basin Association
Sadie Neuman	Upper Mississippi River Basin Association
Ken Petersen	Upper Mississippi River Basin Association
Lauren Salvato	Upper Mississippi River Basin Association
Laura Talbert	Upper Mississippi River Basin Association

Note: Due to technical difficulties, this list of participants does not include the individuals who joined the meeting remotely.

Minutes

Rick Pohlman moved and Wade Strickland seconded a motion to approve the draft minutes of the May 21, 2024 UMRBA quarterly meeting as provided in the agenda packet. The motion was approved unanimously.

Executive Director’s Report

Kirsten Wallace pointed to the Executive Director’s report in the agenda packet for a summary of the Association’s work efforts since the May 2024 meeting.

Wallace announced that UMRBA hired Laura Talbert to serve as the Ecosystem Program Coordinator and Sadie Neuman as the Public Participation and Communications Project Specialist, starting July 1, 2024 and August 5, 2024, respectively. Andrew Stephenson departed the Association. Stephenson had served as Ecosystem and Navigation Program Leader since 2018.

Wallace provided background context on the UMRBA Board’s evaluation of options for the state dues and water quality assessment levels in FYs 2026 and 2027. With that context, Rick Pohlman moved and Tim Hall seconded a motion to set UMRBA dues for FYs 2026 and 2027 at \$70,350 annually per state and to set the water quality assessment for FYs 2026 and 2027 at \$22,680 annually per state.

Wallace pointed to the UMRBA financial statements for April 2024 through June 2024 as provided on pages B-7 to B-15. Wade Strickland moved and Tim Hall seconded the motion to accept the Association’s budget report and balance sheet as included in the agenda packet. The motion was approved unanimously.

Upper Mississippi River System Partnership

Brian Stenquist broadly described the strength and value of the regional partnership among states, federal agencies, and many organizations and individuals. Stenquist pointed to the strong commitment to collaboration among agencies and nongovernmental interests as integral to the partnership functioning well. Stenquist acknowledged UMRBA’s role of fostering interstate collaboration in support of multi-purpose management, particularly in the areas of navigation, ecosystem, water quality, emergency management, and resilience.

Stenquist characterized and distinguished among several emerging collaborations, including the Mississippi River Watershed Partnership coordinated by America’s Watershed Initiative and the Mississippi River Restoration and Resilience Initiative.

Stenquist offered the following questions to center discussion about the emerging collaborations:

- How might these emerging collaborations support your work?
- How might your insights help support these emerging collaborations?

Mississippi River Basin Partnership Meeting

Kim Lutz explained the shared interest of America’s Watershed Initiative and The Nature Conservancy to initiate the creation of a Mississippi River Watershed Partnership. The intent is to explore how a broad cross-sector partnership can improve the environmental and economic health of the watershed, including through the development of consensus on a set of shared goals spanning water quality, floods and droughts, inland navigation, fish and wildlife resources, and recreation.

Lutz expressed optimism that the partnership would lead to:

- An ability to assess and achieve multiple benefits from programs and projects.
- More efficient and effective spending.
- Better data informed decision making through filling data gaps, increasing accessibility of this information and improved continuity across data sets.

Lutz provided an overview of the Mississippi River Watershed Partnership Workshop held jointly by America’s Watershed Initiative and The Nature Conservancy on June 25-27, 2024 in St. Louis, Missouri. The workshop employed facilitated discussions focused on defining leadership issues facing the watershed, exploring goal areas, and illuminating options for moving forward a Mississippi River Watershed Partnership.

Lutz reported that America’s Watershed Initiative and The Nature Conservancy are preparing to publish a synthesis report, continuing collaboration to identify a focused set of goals and actions, and co-creating

partnership models with watershed leaders and the broader community. Lutz previewed the major discussion themes as follows:

- Power of collaboration at all scales was evident
- There is tremendous knowledge and power in existing institutions
- A desire to move forward now, but with specifics

Wade Strickland mentioned interest in also evaluating capacity to advance the various goal areas.

Upper Mississippi River Nutrient Management Collaborations

Lauren Salvato reported on UMRBA’s two-part workshop series focused on multi-benefit conservation practices as means for reducing nutrient runoff. The first workshop, held in fall 2022, focused on best management practices, communications (social science), and financial tools and incentives. It provided foundational aspects for collaborative discussions in the second workshop, held in fall 2023, on the “leverage points of change” – i.e., points within a complex system where a small change in one thing can produce big changes in everything.

Workshop participants concluded that those leverage points include improved and coordinated conservation technical assistance, innovative and streamlined funding mechanisms, peer-to-peer networks, and new partnerships.

Salvato shared the following insights gained from the discussions:

- Multi-benefit conservation practices are important
- UMRBA workshops drew a wide range of participants
- Workshops allowed for sharing innovative ideas
- There may be leverage points to accelerate adoption of multi-benefit conservation practices
- UMRBA will continue to support interstate nutrient reduction

Dana Vanderbosch underscored the value of these two workshops, and collaboration of this type, to support the states in their work. In response to a question from Brian Stenquist, Chris Wieberg said staffing and other resources to support the implementation and dissemination of financial resources is a significant issue. Missouri DNR is building a network collaboration to assist in the delivery of conservation practices. Wieberg added a statement of appreciation for UMRBA’s leadership in securing the financial support from USEPA and designing and organizing the workshops.

Mississippi River Restoration and Resilience Initiative

Rebecca Taylor provided a briefing of Congresswomen Betty McCollum’s proposed legislation to create a Mississippi River Restoration and Resilience Initiative (MRRRI). The purpose of the legislation is to develop a program office that would protect and restore the Mississippi River Corridor. Specifically, the measure would:

- Support, expand, and coordinate efforts at a federal level to restore America’s River and build community resilience
- Deliver sustained federal investments in local communities
- Coordinate strategy among federal, state, tribal, and local partners
- Establish a network of river research centers

The legislation is modeled on the Great Lakes Restoration Initiative, which is broadly supported and creates nonregulatory opportunities and supports local priorities through grants. In addition, Rep. McCollum is also proposing to add new USGS research centers to advance the science informing work in the goal areas.

Taylor emphasized that the new authority would be non-regulatory, focused on providing new opportunities and resources. MRRRI would have four focus areas: flood and storm resiliency, water quality, wildlife habitat, and aquatic invasive species. The authority would include dedicated funding to support low-income communities, communities of color, and tribal nations and tribal organizations.

Taylor underscored Rep. McCollum’s sincere interest in receiving direct feedback on the legislation, prompting discussion with the following questions:

- Which aspects of MRRRI would be particularly important to your work?
- What provisions within the MRRRI legislation might support your work? Any that might cause difficulties?
- What questions or concerns do you have about the MRRRI framework and how it might impact your work or the work of others?
- What suggestions would you offer for improving the MRRRI legislation or for further engagement and outreach on MRRRI?

In response to a question from Mark Gaikowski, Taylor explained that Rep. McCollum’s office has participated in conversations about coordinating a related effort, namely the Safeguarding the Mississippi River Together (SMRT) Act. Taylor recognized that, while the two measures are on parallel tracks in pursuing legislation, the two measures are proposing inherently different purposes and structures.

In response to a question from Sabrina Chandler, Taylor confirmed that the geographic extent is the Mississippi River floodplain corridor and would not extend into the tributaries. In response to a question from Karl Jansen, Taylor said Rep. McCollum’s office views the MRRRI legislation as compatible with the Upper Mississippi River Restoration Program and Navigation and Ecosystem Sustainability Program. Rep. McCollum recognizes that there are greater investment needs and opportunities beyond the two programs, and that can work in conjunction with the Corps’ restoration investments.

Alex Kielty put forward Mississippi River Network’s support for the MRRRI legislation, particularly the focus on public engagement.

Chris Wieberg acknowledged the binding collaboration through the Hypoxia Task Force, pointing the new funding stream through the Gulf Hypoxia Program. The program is the only collaboration that pulls together among federal agencies, states, and conservation, agricultural, and other interests across the

Mississippi River. With that context, Wieberg respectfully requested support from Rep. McCollum for that program.

Citing experience in working with the Great Lakes Restoration Initiative, Wade Strickland advised that the legislation include a provision allowing states to be eligible for non-compete grants to reduce burden of funding transfers.

Sabrina Chandler acknowledged the significant existing federal and state investment in the Mississippi River basin. Chandler suggested creating a visual illustrating the various programs and projects working in concert to advance the major goals and how MRRRI would align with those efforts.

Other Business

Future Meeting Schedule

November 2024 in St. Louis, Missouri

- UMRBA Quarterly Meeting – November 19
- UMRR Coordinating Committee quarterly meeting – November 20

February 2025 to be held virtually

- UMRBA Quarterly Meeting – February 25
- UMRR Coordinating Committee quarterly meeting – February 26

May 2024 in La Crosse, Wisconsin

- UMRBA Quarterly Meeting – May 20
- UMRR Coordinating Committee quarterly meeting – May 21

With no further business, the meeting adjourned at 4:00 p.m.

ATTACHMENT B

Executive Director's Report

- Executive Director's Report *(B-1 to B-6)*
- UMRBA WRDA 2024 Conference Letter (9/30/2024) *(B-7 to B-9)*
- USACE PPA WRDA 2024 Partner Letter (9/5/2024) *(B-10 to B-11)*
- Treasurer's Quarterly Statement (11/5/2024) *(B-12)*
- FY 2024 Profit and Loss Statement (11/6/2024) *(B-13 to B-15)*
- FY 2025 Profit and Loss Statement (11/6/2024) *(B-16 to B-18)*
- Balance Sheet (11/6/2024) *(B-19 to B-20)*



Executive Director's Report November 2024

Association Personnel

UMRBA hired three new employees in this quarter, as follows:

Sadie Neuman serves as the Public Participation and Communications Project Specialist. In this role, Neuman designs and implements public participation and communications strategies for UMRBA as well as the programs and projects in which UMRBA is an implementing partner. Neuman started with the Association on August 5, 2024.

Josh Wolf serves as the Water Quality Program Coordinator. In this role, Wolf supports inter-jurisdictional cooperation planning and action for the purposes of accelerating reduction of nonpoint source pollutants to waters within the Upper Mississippi River basin. In particular, Wolf will focus on nonpoint sources of nutrients, chloride, and harmful algal blooms. Wolf started with the Association on September 16, 2024.

Henry Hansen serves as the Ecosystem Program Leader. In this role, Hansen plans, implements, and participates in ecosystem-relevant priorities for interstate discussion and cooperation. In particular, Hansen will focus on federal-state collaborations, such as the Upper Mississippi River Restoration Program and Navigation and Ecosystem Sustainability Program. Hansen started with the Association on November 4, 2024.

Advocacy

Water Resources Development Act

On September 30, 2024, UMRBA submitted to Congress a letter offering UMRBA's priorities for the Water Resources Development Act (WRDA) of 2024 as the House and Senate reconcile their versions, H.R. 8812 and S. 4367 respectively. The letter speaks to the UMRS flood risk and resiliency study, Corps non-federal project partnership agreements, the Inland Waterways Trust Fund cost-share, and the Upper Mississippi River Restoration long term resource monitoring. The letter is included on pages B-7 to B-9 of the agenda packet.

UMRBA also joined multi-signatory letters voicing support for i) Inland Waterways Trust Fund cost-share modifications and ii) an evaluation of the Corps project partnership agreements terms related to indemnification and perpetual operations, maintenance, repair, replacement, and rehabilitation (OMRR&R). The letters are included on pages B-10 to B-11 of the agenda packet.

Dakota Water Resources Development Act

On October 28, 2024, UMRBA submitted a letter to Congress voicing opposition to the proposed Dakota Water Resources Development Act of 2024 (S. 4996 and H.R. 9554). UMRBA has long held the position that the Missouri River water should be kept flowing within its basin and available to make its contribution to the Mississippi River. Such interbasin transfers as proposed in the proposed legislation would encourage unsustainable development and water use and result in far-reaching economic, societal, and ecological consequences to the nation. UMRBA requested that Congress coordinate with both the Association and its member states before taking any further action on any proposed out-of-

basin diversions of water from the Missouri River Basin. The letter is included on page C-2 of the agenda packet.

Commercial Navigation

Waterways Council

The Waterways Council held its Annual Waterways Symposium on November 13-14, 2024 in San Antonio. The agenda included Waterways Council's priorities and accomplishments, political and financial briefings, and updates from the Corps on their national and regional navigation programs.

National Waterways Foundation

Kirsten Wallace serves as a Trustee of the National Waterways Foundation, and participated in its November 15, 2024 meeting in San Antonio. In addition to routine business, the Foundation discussed ongoing projects related to workforce development and waterways beneficiaries as well as future research opportunities.

Ecosystem Health

Policy and Programmatic Interagency Coordination

UMRR Coordinating Committee Meeting

The UMRR Coordinating Committee met on August 7 2024 in Edina, Minnesota. The agenda involved programmatic briefings regarding accomplishments and progress related to habitat rehabilitation and enhancement projects (HREPs), long term resource monitoring, and communications. The Corps facilitator for UMRR strategic planning also briefed the Committee of the recent progress and planned work.

NESP Coordinating Committee Meetings

The Navigation and Ecosystem Sustainability Program (NESP) Coordinating Committee met in-person on September 4, 2024 in the Quad Cities. The quarterly meeting focused on routine program reports as well as focused briefings on the development of an ecosystem strategic framework, reach-based planning, and systemic water level management and forest management. In addition to this public-facing session, the Committee also convenes monthly meetings to advance programmatic priorities. Recent discussions have focused on strategic planning and systemic and reach planning.

Programmatic Strategic Planning

Upper Mississippi River Restoration Program

UMRBA continues to participate in a programmatic, interagency team to develop the next strategic plan for UMRR. UMRBA staff is participating in regular meetings of a smaller leadership team to organize the process and overall direction given input from the full interagency team. The interagency team met virtually on September 30, 2024 to review input from the full UMRR partnership to draft goals and objectives. The smaller leadership team is planning for a forthcoming in-person workshop scheduled for December 5-6, 2024 in the Quad Cities.

Communications and Engagement

Communications and Outreach Team

UMRBA staff participated in monthly meetings of the UMRR Communication and Outreach Team's (COT). Topics included employing a photo contest, social media events, and updating UMRR related material at current kiosks/interpretive stations along the UMRS.

USACE Headquarters Tour

During the week of October 7, 2024, the Rock Island District hosted a tour for Corps Headquarters staff focused on the Navigation and Ecosystem Sustainability Program (NESP) and the Upper Mississippi River Restoration (UMRR) Program. The visiting team included:

- Sharon Sartor, Mississippi Valley Division Regional Integration Deputy
- Daniela Todesco, Aquatic Ecosystem Restoration Business Line Manager
- Charles Stokes, Bipartisan Infrastructure Law (BIL) Program Manager

The tour included site visits to L&D 22 to learn about the NESP fish passage project, Steamboat Island in Pool X to learn about the UMRR habitat project there and the program's long resource monitoring, and the Sny Magill Unit of the Effigy Mounds National Monument in Pool 10 to learn about the NESP cultural resources mitigation project and NESP's tribal engagement strategies. UMRBA staff participated in the discussion of Sny Magill as well as a meeting of the NESP Board and UMRR Coordinating Committee to share agency/organization perspectives regarding the two programs.

Ecological Sustainability and Restoration

Systemic/Reach Planning

UMRBA staff continue to participate in the Navigation and Ecosystem Sustainability Program's System Planning Team, which is validating system-wide ecosystem objectives and developing a process to guide four reach planning teams in their more refined development of restoration targets.

Hazardous Spills Emergency Management

Oil Pollution Act (OPA) Planning and Mapping

UMRBA has continued working on Minnesota statewide Inland Sensitivity Atlas (ISA) updates and has begun updating Illinois statewide data layers. This latter includes recently acquired Tribal land, of which there was previously none in Illinois. UMRBA incorporated updates into the regional database for Minnesota, regional updates to the navigation locks and dams, and updates received from the Great Lakes Commission (GLC) for Indiana and Ohio.

UMRBA remotely supported the Regional Response Team (RRT) 5 meetings that were held in Indianapolis, Indiana, on October 29-30, 2024.

UMRBA staff participated in monthly meetings for the Mapping Group and for the Inland Zone Planning team. UMRBA supported sub-area response planning for the Greater St. Louis, Minneapolis/St. Paul, and Red River Sub-areas. Staff have also taken part in Tribal response planning meetings with USEPA Region 5.

Upper Mississippi River Hazardous Spills Coordination Group (UMR Spills Group)

The UMR Spills Group held a virtual meeting on October 16, 2024 to discuss an opportunity to employ a response strategy field reconnaissance and to prepare for the virtual fall meeting, which is scheduled for December 12, 2024. The field reconnaissance was held on October 1, 2024 near Clinton, Iowa and included the UMRR Program's Beaver Island HREP. Participants included federal, state, and local agencies and industry representatives.

Water Quality

USEPA 'Regions on the River: Four-Region Mississippi River Event'

On August 20, 2024, the leaders of USEPA Regions 4, 5, 6, and 7 met in Alton, Illinois on the Living Lands and Waters Mississippi River Institute classroom barge. USEPA leadership included Regional Administrators Jeanneanne Gettle (Region 4), Earthea Nance (Region 6), and Meg McCollister (Region 7) as well as Water Director Tera Fong (Region 5). The purpose was to raise awareness among students (Alton High School) and communities of the importance of protecting the Mississippi River water quality.

A common theme of the leaders' remarks was the necessity of partnership to achieve successes in water resources management. The partnership between USEPA and UMRBA was highlighted. UMRBA participated in the leadership meeting.

UMRBA Water Quality Committees

The UMRBA Water Quality Executive Committee and Water Quality Task Force met jointly on September 25-26, 2024 in Bloomington, Minnesota. The UMRBA water quality committees discussed potential revisions to the Water Quality Executive Committee Charter, the Association's expanding nutrient-related work, public participation in UMRBA's water quality program and projects, and concepts of UMRBA's 2025 work plan for advancing its water quality program. In addition, the committees hosted briefings from USFWS on the Midwest Conservation Blueprint, USGS on its Integrated Water Availability Assessments, and Iowa DNR on its initiative to produce cover crop seeds for public lands.

Agriculture Nutrient Policy Council

The Agriculture Nutrient Policy Council hosted the Phosphorus Science and Emerging Research Workshop on October 1, 2024 in Washington, D.C. UMRBA staff attended the workshop in-person. The Council hosted a series of scientific presentations related to phosphorus pathways, landscape level phosphorus dynamics in watersheds and agricultural fields, and in-stream phosphorus dynamics.

Hypoxia Task Force Coordinating Committee

UMRBA staff participated in the Hypoxia Task Force Coordinating Committee October 2, 2024 workshop in Washington, D.C. The Committee discussed its communications projects, data about hypoxic conditions in the Gulf of Mexico, temperature impacts on algal growth, and research needs to improve the nutrient load estimation tool. Staff also continue to participate in regular virtual meetings of the Hypoxia Task Force Coordinating Committee.

Other Meetings, Events, and Partnership Collaborations

UMRBA staff participated in the following water quality-focused forums and partnership meetings:

- Missouri DNR Nonpoint Source Management Symposium on August 20, 2024
- Central Iowa Source Water Research Assessment on September 6, 2024

Water Quantity (Flood and Drought Resilience)

Midwest Drought Early Warning System (DEWS) Partners Meeting

On August 20-22, 2024, the NOAA National Integrated Drought Information System (NIDIS) hosted a partners meeting of the Midwest Drought Early Warning System. The partners meeting included focused briefings and discussions about the drought resilience, climate science, drought planning, and ecological drought.

NOAA National Integrated Drought Information System (NIDIS) Executive Council

The NOAA National Integrated Drought Information System (NIDIS) Executive Council held a meeting on October 24, 2024 in Washington, D.C. UMRBA participated remotely. NOAA provided briefings on the NIDIS program. The National Academies of Sciences, Engineering, and Medicine shared progress and support needs for a report on drought in a changing climate.

Communications and Partnership Collaboration

Informal Public Use Mapping Project

With financial support from Missouri DNR, UMRBA has initiated a project to create geospatial information about informal public use of the river. This includes where people fish, hunt, gather other food resources, recreate, and so forth in areas beyond those located in formal public access places or beaches. Staff have designed a database framework and are developing a work plan for the project.

River Resources Action Team

UMRBA staff participated in the September 24-26, 2024 River Resources Action Team (RRAT) on-site meeting traveling the open river stretch of the Mississippi River. The agenda included wide ranging navigation, ecosystem, and floodplain projects in that area as well as relevant monitoring, research, and policy efforts. UMRBA staff presented on the Upper Mississippi River Restoration program's strategic planning process and draft goals and objectives as well as public participation tools, methods, and resources.

Interstate Council on Water Policy

The Interstate Council on Water Policy (ICWP) held its annual meeting on October 22-23, 2024 in Lawrence, Kansas. The meeting included a series of briefings related to federal legislation, state and federal partnerships and programs, water data, and regional water resource planning. On behalf of the Upper Mississippi River Basin Association, Kirsten Wallace serves as member of the ICWP Board of Directors and Chair of its Legislative and Policy Committee. Federal members provided updates on their respective agency's drought-related programs, the National Rural Water Association shared information

about its priorities and recent work, and the Council discussed advances in drought and low flow water prediction.

America's Watershed Initiative

The America's Watershed Initiative (AWI) held a retreat on October 22, 2024 in Edina, Minnesota. On behalf of Kirsten Wallace, who serves as an AWI Board member, Brian Stenquist participated in the retreat. During the retreat, the AWI Board convened focused sessions on the AWI mission and identity, the AWI report card product and delivery, AWI partnerships and collaborations, and AWI branding and philanthropy strategies.

Other Meetings, Events, and Partnership Collaborations

UMRBA staff provided remarks about successful collaboration in the Upper Mississippi River Basin through the following forums:

- Lower Minnesota River Watershed District Minnesota River barge tour on September 10, 2024
- Life Hacks over Lunch: A Virtual Meet-up Series for Watershed Professionals on September 17, 2024
- Mni Ki Waken Water is Sacred Summit at the University of Minnesota on October 14-15, 2024
- Thinking Spatially: Mississippi River Futures on October 11, 2024
- University of Minnesota Water Resources Conference on October 15-16, 2024
- Wisconsin Neonicotinoid Forum on October 30, 2024
- USEPA Region 5 and 7 Harmful Algal Bloom Call on November 7, 2024

Financial and Administrative Report

UMRBA Financial Report

Attached as page B-12 is UMRBA Treasurer Jason Tidemann's statement regarding his review of UMRBA's financial statement for the period of July 1, 2024 to September 30, 2024.

Attached as pages B-13 to B-20 are UMRBA's 2024 budget reports and balance sheet. As of September 30, 2024, ordinary income for FY 2025 totaled \$458,289.32 and expenses totaled \$413,971.51 for net ordinary income of \$44,317.81. As of this date, UMRBA's cash assets totaled \$188,955.10.

September 30, 2024

The Honorable Sam Graves, Chair
The Honorable Rick Larsen, Ranking Member
U.S. House of Representatives
Transportation and Infrastructure Committee
2165 Rayburn House Office Building
Washington, D.C. 20515-6256

The Honorable Tom Carper, Chair
The Honorable Shelley Moore Capito, Ranking Member
U.S. Senate
Environment and Public Works Committee
410 Dirksen Senate Office Building
Washington, D.C. 20510-6175

The Honorable David Rouzer, Chair
The Honorable Grace Napolitano, Ranking Member
U.S. House of Representatives
Transportation and Infrastructure Committee
Water Resources and Environment Subcommittee
2165 Rayburn House Office Building
Washington, D.C. 20515-6256

The Honorable Mark Kelly, Chair
The Honorable Kevin Cramer, Ranking Member
U.S. Senate
Environment and Public Works Committee
Transportation and Infrastructure Subcommittee
410 Dirksen Senate Office Building
Washington, D.C. 20510-6175

Dear Representatives Graves, Larsen, Rouzer, and Napolitano and Senators Carper, Moore Capito, Kelly and Cramer:

The Upper Mississippi River Basin Association (UMRBA) applauds your efforts to reauthorize the Water Resources Development Act. The bills introduced through the House of Representatives (H.R. 8812) and Senate (S. 4367) offer important opportunities to advance the principles of sustainability and multi-use management of the nation's water resources and to support cooperation among the federal government agencies, states governments, and non-governmental interests.

Formed by the Governors of Illinois, Iowa, Minnesota, Missouri, and Wisconsin in 1981, UMRBA represents its member states' common water resource interests and works collaboratively with the federal and state agencies as well as non-governmental organizations and individuals.

As you engage in conference negotiations, UMRBA offers the following positions:

- Authorize the Upper Mississippi River System Flood Risk and Resiliency Study as provided in Section 210 of H.R. 8812.

Section 210 of H.R. 8812 provides a new planning authority that UMRBA believes will lead to strategic, integrated, and durable approaches to improving flood risk and resilience in the Upper Mississippi River System floodplain, systemically and locally. The authorizing language designs a collaborative leadership approach to evaluating an extensive array of structural and nonstructural measures.

UMRBA would provide the non-federal partnership to the Army Corps. UMRBA is aware of, and is willing to provide, the sponsor requirements.

Section 210 of H.R. 8812 models the Lower Missouri River Basin Flood Risk and Resiliency Study, as authorized by Congress in 2020. That study has illuminated the value of designing systemic flood risk and resilience approaches that simultaneously advance and align local infrastructure planning opportunities.

UMRBA appreciates the Senate's inclusion of Section 203(c)(7), which seeks to expedite a previously authorized watershed study. Enclosed is a letter, dated June 8, 2022, that describes the reasons for UMRBA's departure in supporting the use of the Section 729 planning authority to advance flood risk and resilience planning on the Upper Mississippi River System.

- Direct the Corps to assess the limitations of the project lifespan and indemnification clauses in the agency's non-federal cost-share project partnership agreements per Section 233(b) of S. 4367.

Section 233 of S. 4367 correctly illuminates the constraints of project lifespan and indemnification to non-federal sponsors in their interest in serving as partners to the Corps. UMRBA strongly supports this analysis, trusting that it will provide Congress with the information necessary to coordinate with the Administration in reforming the Corps project partnership agreements in the future.

UMRBA remains committed to working with Congress, the Administration, and other non-federal project sponsors throughout the country to resolve the impasse and facilitate non-federal cost-share water resource partnership opportunities.

- Adjust the cost share requirements for the Inland Waterways Trust Fund per Section 109 of S. 4367

Various factors in recent years have led to substantial increases in the overall costs of investing in navigation lock modernization projects. These projects, particularly on the Upper Mississippi River System, are required to maintain a seamless and robust navigation transportation system. As Congress has often recognized, barge transportation offers a more efficient, cost-effective, and environmentally-friendly method for moving a wide range of bulk cargo.

UMRBA believes it is imperative that the cost-share adjustments provided in Section 109 of S. 4367 is in the national interest. This adjustment would help barge transportation maintain relatively low-cost movement of large volumes of commodities that are essential to a strong national economy: gravel, fertilizers and agriculture commodities, salt, cement, steel, and energy products. Therefore, UMRBA asserts that the modification is in the national interest.

- Increase the annual authorized funding level for Upper Mississippi River Restoration Program's long term resource monitoring to \$25 million as provided in Section 334 of S. 4367

Section 334 of S. 4367 increases the annual authorized appropriation of UMRR's long term resource monitoring to \$25 million. The current funding level is \$15 million. The increased funding potential would allow UMRR to conduct systemic monitoring of critically important major resources in the system such as mussels and macroinvertebrate populations, to support needed analysis to forecast changes to the river's ecosystem resulting from changing hydrologic conditions, and to develop new tools and models to better understand and manage the ecosystem.

Page 3
September 30, 2024

UMRBA appreciates the House's support for UMRR long term resource monitoring, as provided in Section 307 of H.R. 8812. The House measure would increase the annual authorized appropriation of UMRR's long term resource monitoring to \$20 million

Thank you for your consideration of UMRBA's priorities. Please reach out to me if you have any questions about UMRBA's position on these provisions or any other provisions that you are considering in your negotiations.

UMRBA strongly supports your leadership to facilitate a nonpartisan approach to evaluating water resource priorities for the nation and advancing this important legislation.

Sincerely,



Kirsten Wallace
Executive Director
Upper Mississippi River Basin Association

cc: Upper Mississippi River Congressional Delegation
Michael Connor, Assistant Secretary of the Army for Civil Works
Eddie Belk, U.S. Army Corps of Engineers
Maj. Gen. Kimberly Peebles, U.S. Army Corps of Engineers Mississippi Valley Division

September 5, 2024

The Honorable Tom Carper, Chair
The Honorable Shelley Moore Capito,
Ranking Member
U.S. Senate Committee on Environment and
Public Works
410 Dirksen Senate Office Building
Washington, D.C. 20510

The Honorable Sam Graves, Chair
The Honorable Rick Larsen, Ranking Member
U.S. House of Representatives
Committee on Transportation and
Infrastructure
2165 Rayburn House Office Building
Washington, D.C. 20515-6256

Dear Chairmen Carper and Graves, and Ranking Members Capito and Larsen:

Our coalition of 13 undersigned organizations thank you for your diligent work on the passage of the Senate and House Water Resources Development Act (WRDA) of 2024 (S. 4367 and H.R. 8812 bills, respectively). Our organizations either act as, or work with, non-Federal sponsors of many important U.S. Army Corps of Engineers (USACE) water resource projects that provide numerous benefits to communities nationwide that are made possible by WRDA authorization.

We applaud the commitment shown by both the House and the Senate to prioritize the passage of WRDA 2024. As you engage on the conference process, we strongly urge the acceptance of the Senate's WRDA language that directs analysis for the potential reform of USACE Project Partnership Agreement (PPA) indemnification and operation, maintenance, repair, replacement, and rehabilitation (OMRR&R) requirements. Doing so is a crucial step toward removing the structural barriers posed by USACE PPA requirements for indemnification and OMRR&R.^{1, 2}

Including the Senate's PPA provisions in the final bill will increase opportunities to leverage non-Federal investments and achieve local, regional, and national water resource goals. PPA requirements are significant barriers for many non-federal sponsors across the nation to conduct critical water resource development projects. They have a consequential bearing on the extent to which non-Federal partners can be active equals on USACE-partnered projects.

We stand ready to explore additional ways to facilitate PPA reform and to aid non-Federal sponsor participation in USACE water infrastructure projects and programs upon the final WRDA's passage into law. We can connect USACE and other federal agencies with states and non-federal partners to better understand their issues, provide information about specific project examples impacted by PPA inequities, and explore policy alternatives to devise meaningful solutions.

¹ See [coalition letter to Senate EPW Committee](#), dated October 5, 2023.

² [WRDA 2024: Stakeholder Feedback on USACE Project Partnership Agreements](#), 118th Congress (2023) (testimony of Kirsten Wallace and Jimmy Hague).

We remain committed to being constructive partners as we chart a shared path forward. Please don't hesitate to contact Beth Callaway, Executive Director of the Interstate Council on Water Policy (beth@icwp.org) or any of the undersigned organizations, to assist you in these efforts.

Partner signatories:

Association of Fish & Wildlife Agencies
Coastal States Organization
Delaware River Basin Commission
Great Lakes Commission
Louisiana Coastal Protection and Restoration Authority Board
Interstate Commission on the Potomac River Basin
Interstate Council on Water Policy
National Association of Flood and Stormwater Management Agencies
National Audubon Society
Susquehanna River Basin Commission
The Nature Conservancy
Theodore Roosevelt Conservation Partnership
Upper Mississippi River Basin Association

Natalie Lenzen

From: Tidemann, Jason (DNR) <jason.tidemann@state.mn.us>
Sent: Tuesday, November 5, 2024 9:36 AM
To: Natalie Lenzen
Subject: RE: UMRBA July 1 - September 30 Treasurer Report

Hello
As Treasurer, I have reviewed the monthly financial statements for the period 7/1/24-9/30/24. Activity reported on the Balance Sheet, Profit/Loss Budget Overview, Check Register, Visa statements and Open Invoices Report provide a reasonable and consistent representation of the monthly financial activity for the referenced period.

Jason Tidemann

From: Natalie Lenzen <nlenzen@umrba.org>
Sent: Thursday, October 31, 2024 12:39 PM
To: Tidemann, Jason (DNR) <jason.tidemann@state.mn.us>
Subject: UMRBA July 1 - September 30 Treasurer Report

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Jason –

I would like to request your statement of review of our July 2024 through September 2024 financials for the Treasurer's report in the November 19, 2024 UMRBA Board meeting packet.

Please let me know if you have any questions or need any further information.

Thank you,
Natalie

Natalie Lenzen
Operations Manager | Upper Mississippi River Basin Association (UMRBA)
7900 West 78th Street, Suite 380, Edina, MN 55439
651-224-2880 (*main office*) | 763-349-2049 (*direct*)
Find us online at www.umrba.org or [Facebook](#)

Upper Mississippi River Basin Association

FY 2024 Profit & Loss Budget Overview

July 2023 - June 2024

	TOTAL		
	ACTUAL	BUDGET	OVER BUDGET
Revenue			
4000 State Dues			
Illinois Dues	67,000.00	67,000.00	0.00
Iowa Dues	67,000.00	67,000.00	0.00
Minnesota Dues	67,000.00	67,000.00	0.00
Missouri Dues	67,000.00	67,000.00	0.00
Wisconsin Dues	67,000.00	67,000.00	0.00
WQ Assessment	108,000.00	108,000.00	0.00
Total 4000 State Dues	443,000.00	443,000.00	0.00
4100 Contracts and Grants			
Interstate WQ Pilot	17,934.71	10,000.00	7,934.71
Miss River Partnership (AWI)	11,000.00	12,000.00	-1,000.00
U.S. FWS	7,958.51	8,000.00	-41.49
UMN CIROH	10,000.00	12,000.00	-2,000.00
USACE (NESP)	77,283.40	100,000.00	-22,716.60
USACE (UMRR)	73,159.00	139,790.00	-66,631.00
USEPA (HTF)	7,674.01	5,000.00	2,674.01
USEPA (OPA)	280,128.39	270,000.00	10,128.39
USEPA (OWOW)	38,231.64	40,000.00	-1,768.36
USGS Nature-Based Solutions	40,274.59	47,000.00	-6,725.41
Total 4100 Contracts and Grants	563,644.25	643,790.00	-80,145.75
4200 Interest Income			
Short Term Interest			
Short Term (CD)	18,008.95	19,100.00	-1,091.05
Short Term (Checking)	4,707.21	6,000.00	-1,292.79
Short Term (Savings)		0.00	0.00
Short Term (Sweep)	2,537.73	2,500.00	37.73
Total Short Term Interest	25,253.89	27,600.00	-2,346.11
Total 4200 Interest Income	25,253.89	27,600.00	-2,346.11
4300 Other Income			
Meeting Meals Income	80.00		80.00
Miscellaneous Income	60.00		60.00
Workshop Meals Income	2,492.43		2,492.43
Total 4300 Other Income	2,632.43		2,632.43
Total Revenue	\$1,034,530.57	\$1,114,390.00	\$ -79,859.43
GROSS PROFIT	\$1,034,530.57	\$1,114,390.00	\$ -79,859.43
Expenditures			
5000 Depreciation			
Depreciation OPA	2,747.21		2,747.21
Depreciation UMRBA	6,059.55		6,059.55
Gross Payroll			
Accrued Vacation	14,148.60		14,148.60

Upper Mississippi River Basin Association

FY 2024 Profit & Loss Budget Overview

July 2023 - June 2024

	TOTAL		
	ACTUAL	BUDGET	OVER BUDGET
Total Gross Payroll	14,148.60		14,148.60
Total 5000 Depreciation	22,955.36		22,955.36
5001 Payroll Expenses			
Accrued Vacation FICA	1,082.38		1,082.38
Benefits	1,065.37		1,065.37
ICHRA	867.58		867.58
Salary	757,316.76	751,862.30	5,454.46
SocSec Company	286.23		286.23
Taxes	58,806.29	57,517.46	1,288.83
SUTA (Minnesota UC)	-2.21	375.93	-378.14
Workforce Enhancement Fee	-2.21	375.93	-378.14
Total Taxes	58,801.87	58,269.32	532.55
Total 5001 Payroll Expenses	819,420.19	810,131.62	9,288.57
5002 Benefits Administration	1,958.00	1,000.00	958.00
5100 Space Rental			
Office Rental	52,667.38	55,000.00	-2,332.62
Total 5100 Space Rental	52,667.38	55,000.00	-2,332.62
5101 Legal and Financial			
Bank Charges		40.00	-40.00
Insurance	3,936.35	6,200.00	-2,263.65
Legal and Tax Services	3,085.00	4,000.00	-915.00
Total 5101 Legal and Financial	7,021.35	10,240.00	-3,218.65
5102 Telephone/Communications	13,221.21	13,000.00	221.21
5103 Communications/Publications	81,120.00	75,000.00	6,120.00
5104 Equipment	-3,114.17		-3,114.17
Equipment (Maint./Rental)	1,750.61	1,150.00	600.61
Equipment (Purchase)	4,241.92	1,000.00	3,241.92
Total 5104 Equipment	2,878.36	2,150.00	728.36
5105 Supplies	2,020.19	2,000.00	20.19
5106 Postage	118.13	200.00	-81.87
5107 Other Services	15,355.00	15,000.00	355.00
5108 Relocation Expenses	0.00		0.00
5200 Meeting Expenses	31,159.62	35,000.00	-3,840.38
5201 Travel	38,413.12	40,000.00	-1,586.88
5202 State Travel Reimbursement			
Illinois	2,149.84	5,000.00	-2,850.16
Iowa	563.44	5,000.00	-4,436.56
Minnesota	352.80	5,000.00	-4,647.20
Missouri	1,000.08	5,000.00	-3,999.92
State WQ Travel	494.39	3,500.00	-3,005.61
Wisconsin		5,000.00	-5,000.00
Total 5202 State Travel Reimbursement	4,560.55	28,500.00	-23,939.45

Upper Mississippi River Basin Association

FY 2024 Profit & Loss Budget Overview

July 2023 - June 2024

	TOTAL		
	ACTUAL	BUDGET	OVER BUDGET
5300 OPA Expenses			
Equipment (Maint./Rental) OPA	0.00	4,000.00	-4,000.00
Equipment OPA	0.00	600.00	-600.00
Other OPA		50.00	-50.00
Travel OPA	2,170.15	2,000.00	170.15
Total 5300 OPA Expenses	2,170.15	6,650.00	-4,479.85
5301 USGS Nature-Based Solutions			
Other Contractual Services	28,789.50	30,000.00	-1,210.50
UMRBA Contractual Services		0.00	0.00
Total 5301 USGS Nature-Based Solutions	28,789.50	30,000.00	-1,210.50
5302 USEPA NRS Workshops			
Communications	9,000.00	9,500.00	-500.00
Meeting Expenses	4,518.26	4,500.00	18.26
Supplies		200.00	-200.00
Travel	163.71	200.00	-36.29
Travel Assistance	6,841.38	7,000.00	-158.62
Total 5302 USEPA NRS Workshops	20,523.35	21,400.00	-876.65
5304 USEPA Gulf Hypoxia			
Contractual		300.00	-300.00
Other Gulf Hypoxia		100.00	-100.00
Supplies		100.00	-100.00
Travel	783.47	1,000.00	-216.53
Total 5304 USEPA Gulf Hypoxia	783.47	1,500.00	-716.53
5305 USACE NESP			
Other NESP	14,100.00		14,100.00
Travel	3,172.34		3,172.34
Total 5305 USACE NESP	17,272.34		17,272.34
5999 Miscellaneous Expense	0.00		0.00
Total Expenditures	\$1,162,407.27	\$1,146,771.62	\$15,635.65
NET OPERATING REVENUE	\$ -127,876.70	\$ -32,381.62	\$ -95,495.08
NET REVENUE	\$ -127,876.70	\$ -32,381.62	\$ -95,495.08

Upper Mississippi River Basin Association

FY 2025 Profit & Loss Budget Overview

July 2024 - June 2025

	TOTAL		
	ACTUAL	BUDGET	OVER BUDGET
Revenue			
4000 State Dues			
Illinois Dues	67,000.00	67,000.00	0.00
Iowa Dues	50,250.00	67,000.00	-16,750.00
Minnesota Dues	50,250.00	67,000.00	-16,750.00
Missouri Dues	67,000.00	67,000.00	0.00
Wisconsin Dues	67,000.00	67,000.00	0.00
WQ Assessment	64,800.00	108,000.00	-43,200.00
Total 4000 State Dues	366,300.00	443,000.00	-76,700.00
4100 Contracts and Grants			
Interstate WQ Pilot	0.00	7,000.00	-7,000.00
Miss River Partnership (AWI)	1,000.00		1,000.00
UMN CIROH		165,000.00	-165,000.00
USACE (NESP)	32,966.70	200,000.00	-167,033.30
USACE (UMRR)	0.00	113,000.00	-113,000.00
USEPA (HTF)	24,285.26	133,000.00	-108,714.74
USEPA (OPA)	30,740.91	250,000.00	-219,259.09
USEPA (OWOW)	799.36		799.36
USGS Nature-Based Solutions	0.00		0.00
Total 4100 Contracts and Grants	89,792.23	868,000.00	-778,207.77
4200 Interest Income			
Short Term Interest			
Short Term (CD)	597.35	17,900.00	-17,302.65
Short Term (Checking)	751.93	6,000.00	-5,248.07
Short Term (Sweep)	18.81	6,100.00	-6,081.19
Total Short Term Interest	1,368.09	30,000.00	-28,631.91
Total 4200 Interest Income	1,368.09	30,000.00	-28,631.91
4300 Other Income			
Meeting Meals Income	780.00		780.00
Miscellaneous Income	49.00		49.00
Total 4300 Other Income	829.00		829.00
Total Revenue	\$458,289.32	\$1,341,000.00	\$ -882,710.68
GROSS PROFIT	\$458,289.32	\$1,341,000.00	\$ -882,710.68
Expenditures			
5001 Payroll Expenses			
Benefits	-6,545.71		-6,545.71
ICHRA	991.05		991.05
Salary	281,587.65	920,285.21	-638,697.56
SocSec Company	-1,758.61		-1,758.61
Taxes	23,352.51	71,322.10	-47,969.59
Total 5001 Payroll Expenses	297,626.89	991,607.31	-693,980.42
5002 Benefits Administration	436.00	1,308.00	-872.00

Upper Mississippi River Basin Association

FY 2025 Profit & Loss Budget Overview

July 2024 - June 2025

	TOTAL		
	ACTUAL	BUDGET	OVER BUDGET
5100 Space Rental			
Office Rental	26,751.14	68,520.48	-41,769.34
Total 5100 Space Rental	26,751.14	68,520.48	-41,769.34
5101 Legal and Financial			
Bank Charges	30.00	25.00	5.00
Insurance	3,162.50	6,200.00	-3,037.50
Legal and Tax Services	5,000.00	12,000.00	-7,000.00
Total 5101 Legal and Financial	8,192.50	18,225.00	-10,032.50
5102 Telephone/Communications	6,336.19	10,200.00	-3,863.81
5103 Communications/Publications	26,583.00	40,000.00	-13,417.00
5104 Equipment			
Equipment (Maint./Rental)	1,232.23	2,350.00	-1,117.77
Equipment (Purchase)		3,000.00	-3,000.00
Total 5104 Equipment	1,232.23	5,350.00	-4,117.77
5105 Supplies	3,799.81	1,500.00	2,299.81
5106 Postage		100.00	-100.00
5107 Other Services	7,262.30	15,000.00	-7,737.70
5108 Relocation Expenses	2,850.40		2,850.40
5200 Meeting Expenses	3,298.59	35,000.00	-31,701.41
5201 Travel	13,112.92	40,000.00	-26,887.08
5202 State Travel Reimbursement			
Illinois	2,549.06	5,000.00	-2,450.94
Iowa	258.62	5,000.00	-4,741.38
Minnesota		5,000.00	-5,000.00
Missouri		5,000.00	-5,000.00
State WQ Travel		3,500.00	-3,500.00
Wisconsin		5,000.00	-5,000.00
Total 5202 State Travel Reimbursement	2,807.68	28,500.00	-25,692.32
5300 OPA Expenses			
Equipment (Maint./Rental) OPA	500.00	1,500.00	-1,000.00
Equipment OPA		500.00	-500.00
Travel OPA	241.04	1,000.00	-758.96
Total 5300 OPA Expenses	741.04	3,000.00	-2,258.96
5301 USGS Nature-Based Solutions			
Other Contractual Services	1,210.50		1,210.50
Total 5301 USGS Nature-Based Solutions	1,210.50		1,210.50
5304 USEPA Gulf Hypoxia			
Contractual		10,000.00	-10,000.00
Other Gulf Hypoxia		2,000.00	-2,000.00
Supplies		1,500.00	-1,500.00
Travel		1,500.00	-1,500.00
Total 5304 USEPA Gulf Hypoxia		15,000.00	-15,000.00

Upper Mississippi River Basin Association

FY 2025 Profit & Loss Budget Overview

July 2024 - June 2025

	TOTAL		
	ACTUAL	BUDGET	OVER BUDGET
5305 USACE NESP			
Other NESP	8,700.00	20,000.00	-11,300.00
Travel	2,968.82	5,000.00	-2,031.18
Total 5305 USACE NESP	11,668.82	25,000.00	-13,331.18
5306 CIROH UMRS			
Contractual		45,000.00	-45,000.00
Other CIROH		3,500.00	-3,500.00
Supplies		1,500.00	-1,500.00
Total 5306 CIROH UMRS		50,000.00	-50,000.00
5999 Miscellaneous Expense	61.50		61.50
Total Expenditures	\$413,971.51	\$1,348,310.79	\$ -934,339.28
NET OPERATING REVENUE	\$44,317.81	\$ -7,310.79	\$51,628.60
NET REVENUE	\$44,317.81	\$ -7,310.79	\$51,628.60

Upper Mississippi River Basin Association

Balance Sheet

As of November 6, 2024

	TOTAL
ASSETS	
Current Assets	
Bank Accounts	
Checking HT 2732	188,955.10
Investment	
CD_1 LPL	50,370.28
CD_2 HT	51,784.85
CD_2 LPL	50,345.20
CD_3 LPL	73,486.00
CD_4 LPL	50,341.92
CD_5 LPL	100,726.03
LPL Cash Account	1,000.00
Sweep HT 5401	-47.45
Total Investment	378,006.83
Total Bank Accounts	\$566,961.93
Accounts Receivable	
Contract/grants	0.00
Invoiced/Billable	47,995.11
Total Contract/grants	47,995.11
Total Accounts Receivable	\$47,995.11
Other Current Assets	
Prepaid Expense	8.00
Office Rental Prepaid Expense	8,244.10
Total Prepaid Expense	8,252.10
Total Other Current Assets	\$8,252.10
Total Current Assets	\$623,209.14
Fixed Assets	
604(b) Equipment	568.95
Accum. Deprec. 604(b)	-568.95
Accum. Deprec. OPA	-25,751.36
Accum. Deprec. STC	-2,989.68
Accum. Deprec. UMRBA	-37,292.83
Accum. Deprec. WQ	-1,290.00
OPA Equipment	32,921.68
STC Equipment	4,332.67
UMRBA Equipment	101,887.85
WQ Equipment	1,290.47
Total Fixed Assets	\$73,108.80
TOTAL ASSETS	\$696,317.94

Upper Mississippi River Basin Association

Balance Sheet

As of November 6, 2024

	TOTAL
LIABILITIES AND EQUITY	
Liabilities	
Current Liabilities	
Credit Cards	
Visa Chase 5294	3,773.43
Total Credit Cards	\$3,773.43
Other Current Liabilities	
Deferred MO DoC (WLM) Revenue	4,206.05
Office Expense Liabilities	0.00
Travel Expense	1,619.60
Total Office Expense Liabilities	1,619.60
Payroll Liabilities	-695.34
Accrued Vacation	65,805.15
Accrued Vacation FICA	5,034.09
Federal Withholding	189.00
Medicare	
Medicare Company	39.17
Medicare Employee	39.17
Total Medicare	78.34
Minnesota Withholding	-1,113.17
MN Income Tax	1,206.17
MN Unemployment Taxes	273.40
Social Security	
SocSec Company	167.50
SocSec Employee	167.50
Total Social Security	335.00
SUTA (Minnesota UC)	325.51
Workforce Enhancement Fee	334.97
Total Payroll Liabilities	71,773.12
Total Other Current Liabilities	\$77,598.77
Total Current Liabilities	\$81,372.20
Total Liabilities	\$81,372.20
Equity	
Retained Earnings	570,627.93
Net Revenue	44,317.81
Total Equity	\$614,945.74
TOTAL LIABILITIES AND EQUITY	\$696,317.94

ATTACHMENT C

Water Availability and Supply Resilience

- Upper Mississippi River Basin Integrated Water Availability Assessment Project Abstract (5-2024) (C-1)
- UMRBA Letter to Congress Regarding Dakota Water Resources Development Act (10-2024) (C-2)
- Missouri DNR Letter to Congress Regarding Dakota Water Resources Development Act (10-2024) (C-3 to C-4)

Upper Mississippi River System Integrated Water Availability Assessment Abstract

The purpose for this cooperative partnership with the U.S. Geological Survey's Integrated Water Availability Assessment is to strengthen the scientific basis for water management decision making through the development of an Upper Mississippi River System Integrated Water Availability Assessment. The long-term vision is to build a comprehensive hydrologic analysis to assess water availability related to the river's many complex and intertwined water uses. This approach will allow for building a framework that illuminates which sub-watersheds have greater effects on river flows in the Upper Mississippi River System (UMRS). The objectives of this project include:

- 1) Estimate the existing hydrologic flows from the basin watersheds into the Upper Mississippi River System navigation channel
- 2) Assess how diversions and consumptive uses affect the hydrologic flows from the basin watersheds into the UMRS navigation channel
- 3) Determine the thresholds of discharge in various reaches at which negative impacts may occur to the UMRS navigation channel (including duration and frequency of occurrence)
- 4) Scope follow-on research goals for assessing the implications of limited water availability analysis for river products and services beyond the UMRS navigation channel – e.g., impacts to drinking water, recreation, and aquatic ecosystem health of the UMRS
- 5) Convene interstate conversations among Illinois, Iowa, Minnesota, Missouri, and Wisconsin technical experts and agency leaders to a) learn the research findings, b) relate the research findings to management and policy decision making and c) recommend principles and policies for cooperative and effectively managing the water resources of the Upper Mississippi River basin

This empirical analysis will include the development of hydrologic assessment report, static maps of results, a communications plan, and research questions for assessing implications to river products and services beyond the UMRS navigation channel – e.g., impacts to drinking water, recreation, and aquatic ecosystem health of the UMRS. This study can be used to inform water supply knowledge and management regionally and nationally, including systems governed by layers of federal, state, tribal, and local jurisdictions and serve as a pilot for other large riverine systems.

Research Products

- Hydrologic assessment report, including purpose, process and conclusions. The report will also include appendices documenting the methodology and datasets collected.
- Static maps of the UMRS. Examples include areas affected by a range of discharge conditions, precipitation patterns, diversions and consumptive use by HUC 6, and water use, water capacity, and water availability.
- Meeting summaries of meetings convened by UMRBA with local, state, and federal agency partners.
- Communications implementation plan for disseminating information from the hydrologic flows analyses.
- Research questions for assessing implications to river products and services beyond the UMRS navigation channel – e.g., impacts to drinking water, recreation, and aquatic ecosystem health of the UMRS.

October 28, 2024

The Honorable Joe Manchin, Chair
The Honorable John Barrasso, Ranking Member
304 Dirksen Senate Office Building
Energy and Natural Resources Committee
U.S. Senate
Washington, D.C. 20510-5150

The Honorable Bruce Westerman, Chair
The Honorable Raúl Grijalva
Natural Resources Committee
U.S. House of Representatives
1324-A Longworth House Office Building
Washington, D.C. 20510-6201

Dear Chairs Manchin and Westerman and Ranking Members Barrasso:

The Upper Mississippi River Basin Association (UMRBA) is writing in opposition to the proposed Dakota Water Resources Development Act of 2024 (S. 4996 and H.R. 9554). UMRBA has long held the position that the Missouri River water should be kept flowing within its basin and available to make its contribution to the Mississippi River. Such interbasin transfers as proposed in the proposed legislation would encourage unsustainable development and water use and result in far-reaching economic, societal, and ecological consequences to the nation.

As a general principle, UMRBA calls upon Congress and the federal government to recognize the interconnectedness of the Mississippi River Basin's major subwatersheds in executing their myriad of water resource management responsibilities in the nation's heartland. Any analysis of out-of-basin water diversions must thoroughly evaluate all dimensions of the complex water resource management issues.

In dry years, the Missouri River represents 65 percent of the flow in the reach of the Mississippi River between St. Louis, Missouri and Cairo, Illinois. Diversions of water from the Missouri River basin would result in diminishing flows to the Mississippi River Basin, resulting in consequential harm to commercial navigation, regional water supplies, water quality, and aquatic ecosystems.

While UMRBA can certainly appreciate the position of North Dakota to secure as much water supply as possible, it is with that same concern for sustainable water resource supplies, that UMRBA must compel Congress to widen the focus on this proposed authority and weigh the consequences of limiting the supply available within the Missouri River Basin and downstream connection to the Mississippi River.

UMRBA respectfully requests that Congress coordinate with both the Association and its member states before taking any further action on any proposed out-of-basin diversions of water from the Missouri River Basin.

UMRBA appreciates your consideration of the concern expressed in this letter. Please contact UMRBA Executive Director Kirsten Wallace (kwallace@umrba.org, 651-224-2880) with any questions concerning the Association's position as well as requests for consultation.

Sincerely,



Kirsten Wallace
Executive Director

October 21, 2024

The Honorable Bruce Westerman and
The Honorable Raúl Grijalva
United States House of Representatives
Committee on Natural Resources
1324 Longworth House Office Building
Washington, D.C. 20515

RE: Dakota Waters Resources Act Amendments of 2024

Dear Chairman Westerman and Ranking Member Grijalva:

The Missouri Department of Natural Resources (department) represents and protects the interests of the State of Missouri (state) regarding matters pertaining to water quantity, water quality, and interstate water issues. The department has a long history partnering with federal agencies on projects authorized and funded through legislation produced by your committee. In that regard, we very much appreciate the work of your committee specifically as it relates to water resources legislation.

I am writing to inform you of our opposition of proposed amendment S. 4996/H.R. 9554, also cited as the *Dakota Water Resources Act Amendments of 2024*. We believe that this amendment is intended to be included in WRDA 2024 as it makes its way through committee. This proposed amendment would authorize over 500 million dollars of federal funds to advance projects that would allow water to be transferred out of the Missouri River basin.

The Missouri River basin already frequently experiences drought, where downstream flow support from the reservoir system to the lower river is reduced, and these water diversions would only increase the frequency and magnitude of these restrictions. States in the basin have yet to come together to identify the need in the basin as well as the impacts that could result from trans-basin diversions. Because of downstream harm to the environment and to in-basin users, the state has a long history of opposing these specific large and expensive trans-basin water diversions.

The Missouri River contributes substantial flow support to the Mississippi River, which has been critical in keeping this inland waterway open and operating. In the recent past the Missouri River has contributed over 75 percent of the flow to the Mississippi River at St. Louis (e.g. early August 2023). Please note that even at current flow support levels from the Missouri River, the Mississippi experiences low river levels frequently, which has had very large economic impacts both regionally and nationally. During the past two years, the U.S. Army Corps of Engineers has

struggled to keep the middle Mississippi River navigation channel open, which required near record volume and duration of channel dredging. The greater inland waterway system cannot be further threatened by increasing the frequency of these low flow events by short-sighted trans-basin diversions. The department respectfully requests that the Committee takes no action on the proposed amendment and does not allow any action on this amendment or any legislation that would divert water out of the Missouri River basin.

If you have any questions or need any additional information, please feel free to contact Mr. Bob Bacon, State Hydrologist at 573-751-6632 or bob.bacon@dnr.mo.gov.

Sincerely,

A handwritten signature in black ink that reads "Dru Buntin". The signature is written in a cursive, flowing style.

Dru Buntin
Director

ATTACHMENT D

UMRS Flow Frequency Study Placemat (11/6/2024)

(D-1)

FLOW FREQUENCY STUDY

PROJECT SUMMARY

The current Upper Mississippi River and Illinois River flow frequency study, completed in 2004, was created using a period of record ending in 1998. Since then, frequent and record setting major floods have occurred. The flood of 2019 was historic with regards to flood heights and in its duration. Many communities between Dubuque, Iowa, and St. Louis, Missouri, have experienced the majority of their top ten flood crests in the past 20 years. The Illinois River has experienced the same unprecedented flooding.

This effort will update the flood flow frequency profiles on the Upper Mississippi River from Birds Point (River Mile 2.0) to Anoka, Minnesota (River Mile 864.8), and the Illinois River from Grafton (River Mile 0.0) to Dresden Island Lock and Dam (River Mile 271.5). The study will utilize input data gathered during the previous flow frequency effort, augmented with new observed data from present, adding at least 25 years of new hydrologic data.

USACE continually engages with watershed stakeholders through its various programs and authorities. These stakeholders routinely ask what the effects these recent common and historic floods are on the previously calculated frequencies and have requested this data be included when making water resource decisions. The benefits of an updated study on the Upper Mississippi and Illinois Rivers will be realized immediately and ensure water resource decisions are made using current and accurate data, providing considerable value to the nation.

OBJECTIVES



1

Update flow frequency and associated water surface profiles for the Upper Mississippi and Illinois Rivers



2

Improve confidence and reliability of flow frequencies on the UMR and IWW for FRM planning

EST. COST
\$3.6M



SCAN FOR
MORE
INFORMATION



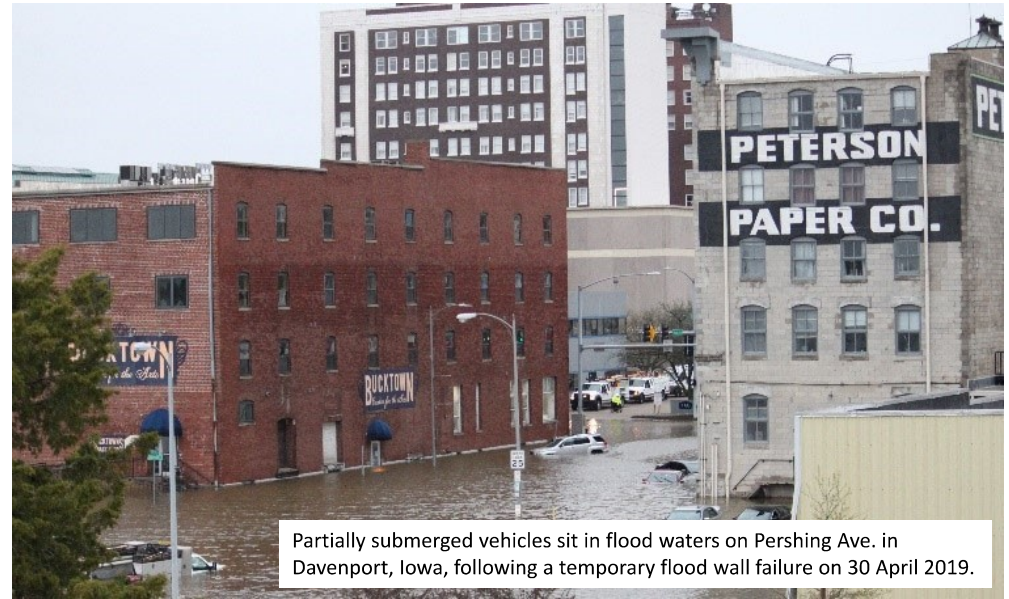
COLLABORATING
AGENCIES

PROJECT STATUS

The project was partially funded in Fiscal Years 2021-2023 for development of a detailed scope of work, inventorying existing data and performing Part I of an Engineering Change Bulletin 2018-14 Climate Change Assessment. With funding received in Fiscal Year 2024, the team will complete formulation of a Hydrologic Engineering Management Plan (HEMP), consult with internal and external experts regarding the HEMP, and will initiate development of a hydraulic routing model.

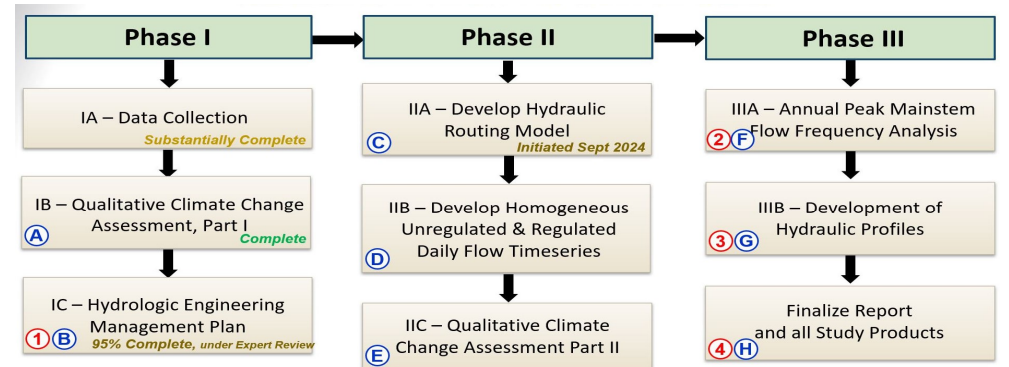
If additional funding is provided, other major tasks in this effort include:

- Development of homogeneous unregulated and regulated daily flow time series
- Perform Part II of the Climate Change Assessment
- Annual peak mainstem flow frequency analysis
- Development of hydraulic profiles
- Finalize report and study products



Partially submerged vehicles sit in flood waters on Pershing Ave. in Davenport, Iowa, following a temporary flood wall failure on 30 April 2019.

PROJECT STUDY PHASES AND PRODUCT REVIEWS



Expert Reviews: (A) Climate I; (B) HEMP; (C) Hydraulic Model; (D) Homogeneous Flow; (E) Climate II; (F) Frequency Curves; (G) Hydraulic Profiles; (H) Final Report
Stakeholder/Public Reviews: (1) HEMP; (2) Frequency Curves; (3) Hydraulic Profiles; (4) Final Report



Mississippi Valley Division
Rock Island District
St. Louis District
St. Paul District



ATTACHMENT E

Additional Items

- Future Meeting Schedule (*E-1*)
- Frequently Used Acronyms (4-29-2022) (*E-2 to E-8*)

**QUARTERLY MEETINGS
FUTURE MEETING SCHEDULE**

FEBRUARY 2025	
<u>Virtual</u>	
February 25	UMRBA Quarterly Meeting
February 26	UMRR Coordinating Committee Quarterly Meeting

MAY 2025	
<u>La Crosse, WI</u>	
May 20	UMRBA Quarterly Meeting
May 21	UMRR Coordinating Committee Quarterly Meeting

Acronyms Frequently Used on the Upper Mississippi River System

AAR	After Action Report
A&E	Architecture and Engineering
ACRCC	Asian Carp Regional Coordinating Committee
AFB	Alternative Formulation Briefing
AHAG	Aquatic Habitat Appraisal Guide
AHRI	American Heritage Rivers Initiative
AIS	Aquatic Invasive Species
ALC	American Lands Conservancy
ALDU	Aquatic Life Designated Use(s)
AM	Adaptive Management
ANS	Aquatic Nuisance Species
AP	Advisory Panel
APE	Additional Program Element
ARRA	American Recovery and Reinvestment Act
ASA(CW)	Assistant Secretary of the Army for Civil Works
A-Team	Analysis Team
ATR	Agency Technical Review
AWI	America's Watershed Initiative
AWO	American Waterways Operators
AWQMN	Ambient Water Quality Monitoring Network
BA	Biological Assessment
BATIC	Build America Transportation Investment Center
BCOES	Bid-ability, Constructability, Operability, Environmental, Sustainability
BCR	Benefit-Cost Ratio
BMPs	Best Management Practices
BO	Biological Opinion
CAP	Continuing Authorities Program
CAWS	Chicago Area Waterways System
CCC	Commodity Credit Corporation
CCP	Comprehensive Conservation Plan
CEICA	Cost Effectiveness Incremental Cost Analysis
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CEQ	Council on Environmental Quality
CFR	Code of Federal Regulations
CFS	Cubic Feet Per Second
CG	Construction General
CIA	Computerized Inventory and Analysis
CMMP	Channel Maintenance Management Plan
COE	Corps of Engineers
COPT	Captain of the Port
CPUE	Catch Per Unit Effort
CRA	Continuing Resolution Authority
CREP	Conservation Reserve Enhancement Program
CRP	Conservation Reserve Program

CSP	Conservation Security Program
CUA	Cooperative Use Agreement
CWA	Clean Water Act
CY	Cubic Yards
DALS	Department of Agriculture and Land Stewardship
DED	Department of Economic Development
DEM	Digital Elevation Model
DET	District Ecological Team
DEWS	Drought Early Warning System
DMMP	Dredged Material Management Plan
DNR	Department of Natural Resources
DO	Dissolved Oxygen
DOA	Department of Agriculture
DOC	Department of Conservation
DOER	Dredging Operations and Environmental Research
DOT	Department of Transportation
DPR	Definite Project Report
DQC	District Quality Control/Quality Assurance
DSS	Decision Support System
EA	Environmental Assessment
ECC	Economics Coordinating Committee
EEC	Essential Ecosystem Characteristic
EIS	Environmental Impact Statement
EMAP	Environmental Monitoring and Assessment Program
EMAP-GRE	Environmental Monitoring and Assessment Program-Great Rivers Ecosystem
EMP	Environmental Management Program [Note: Former name of Upper Mississippi River Restoration Program.]
EMP-CC	Environmental Management Program Coordinating Committee
EO	Executive Order
EPA	Environmental Protection Agency
EPM	Environmental Pool Management
EPR	External Peer Review
EQIP	Environmental Quality Incentives Program
ER	Engineering Regulation
ERDC	Engineering Research & Development Center
ESA	Endangered Species Act
EWMN	Early Warning Monitoring Network
EWP	Emergency Watershed Protection Program
FACA	Federal Advisory Committee Act
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FDR	Flood Damage Reduction
FFS	Flow Frequency Study
FMG	Forest Management Geodatabase
FONSI	Finding of No Significant Impact
FRM	Flood Risk Management

FRST	Floodplain Restoration System Team
FSA	Farm Services Agency
FTE	Full Time Equivalent
FWCA	Fish & Wildlife Coordination Act
FWIC	Fish and Wildlife Interagency Committee
FWS	Fish and Wildlife Service
FWWG	Fish and Wildlife Work Group
FY	Fiscal Year
GAO	Government Accountability Office
GEIS	Generic Environmental Impact Statement
GI	General Investigations
GIS	Geographic Information System
GLC	Governors Liaison Committee
GLC	Great Lakes Commission
GLMRIS	Great Lakes and Mississippi River Interbasin Study
GPS	Global Positioning System
GREAT	Great River Environmental Action Team
GRP	Geographic Response Plan
H&H	Hydrology and Hydraulics
HAB	Harmful Algal Bloom
HEC-EFM	Hydrologic Engineering Center Ecosystems Function Model
HEC-RAS	Hydrologic Engineering Center River Analysis System
HEL	Highly Erodible Land
HEP	Habitat Evaluation Procedure
HNA	Habitat Needs Assessment
HPSF	HREP Planning and Sequencing Framework
HQUSACE	Headquarters, USACE
H.R.	House of Representatives
HREP	Habitat Rehabilitation and Enhancement Project
HSI	Habitat Suitability Index
HU	Habitat Unit
HUC	Hydrologic Unit Code
IBA	Important Bird Area
IBI	Index of Biological (Biotic) Integrity
IC	Incident Commander
ICS	Incident Command System
ICWP	Interstate Council on Water Policy
IDIQ	Indefinite Delivery/Indefinite Quantity
IEPR	Independent External Peer Review
IGE	Independent Government Estimate
IIA	Implementation Issues Assessment
IIFO	Illinois-Iowa Field Office (formerly RIFO - Rock Island Field Office)
ILP	Integrated License Process
IMTS	Inland Marine Transportation System
IPR	In-Progress Review
IRCC	Illinois River Coordinating Council

IRPT	Inland Rivers, Ports & Terminals
IRTC	Implementation Report to Congress
IRWG	Illinois River Work Group
ISA	Inland Sensitivity Atlas
IWR	Institute for Water Resources
IWRM	Integrated Water Resources Management
IWS	Integrated Water Science
IWTF	Inland Waterways Trust Fund
IWUB	Inland Waterways Users Board
IWW	Illinois Waterway
L&D	Lock(s) and Dam
LC/LU	Land Cover/Land Use
LDB	Left Descending Bank
LERRD	Lands, Easements, Rights-of-Way, Relocation of Utilities or Other Existing Structures, and Disposal Areas
LiDAR	Light Detection and Ranging
LMR	Lower Mississippi River
LMRCC	Lower Mississippi River Conservation Committee
LOI	Letter of Intent
LTRM	Long Term Resource Monitoring
M-35	Marine Highway 35
MAFC	Mid-America Freight Coalition
MARAD	U.S. Maritime Administration
MARC 2000	Midwest Area River Coalition 2000
MCAT	Mussel Community Assessment Tool
MICRA	Mississippi Interstate Cooperative Resource Association
MDM	Major subordinate command Decision Milestone
MIPR	Military Interdepartmental Purchase Request
MMR	Middle Mississippi River
MMRP	Middle Mississippi River Partnership
MNRG	Midwest Natural Resources Group
MOA	Memorandum of Agreement
MoRAST	Missouri River Association of States and Tribes
MOU	Memorandum of Understanding
MRAPS	Missouri River Authorized Purposes Study
MRBI	Mississippi River Basin (Healthy Watersheds) Initiative
MRC	Mississippi River Commission
MRCC	Mississippi River Connections Collaborative
MRCTI	Mississippi River Cities and Towns Initiative
MRRC	Mississippi River Research Consortium
MR&T	Mississippi River and Tributaries (project)
MSP	Minimum Sustainable Program
MVD	Mississippi Valley Division
MVP	St. Paul District
MVR	Rock Island District
MVS	St. Louis District

NAS	National Academies of Science
NAWQA	National Water Quality Assessment
NCP	National Contingency Plan
NIDIS	National Integrated Drought Information System (NOAA)
NEBA	Net Environmental Benefit Analysis
NECC	Navigation Environmental Coordination Committee
NED	National Economic Development
NEPA	National Environmental Policy Act
NESP	Navigation and Ecosystem Sustainability Program
NETS	Navigation Economic Technologies Program
NGO	Non-Governmental Organization
NGRREC	National Great Rivers Research and Education Center
NGWOS	Next Generation Water Observing System
NICC	Navigation Interests Coordinating Committee
NPDES	National Pollution Discharge Elimination System
NPS	Non-Point Source
NPS	National Park Service
NRC	National Research Council
NRCS	Natural Resources Conservation Service
NRDAR	Natural Resources Damage Assessment and Restoration
NRT	National Response Team
NSIP	National Streamflow Information Program
NWI	National Wetlands Inventory
NWR	National Wildlife Refuge
O&M	Operation and Maintenance
OHWM	Ordinary High Water Mark
OMB	Office of Management and Budget
OMRR&R	Operation, Maintenance, Repair, Rehabilitation, and Replacement
OPA	Oil Pollution Act of 1990
ORSANCO	Ohio River Valley Water Sanitation Commission
OSC	On-Scene Coordinator
OSE	Other Social Effects
OSIT	On Site Inspection Team
P3	Public-Private Partnerships
PA	Programmatic Agreement
PAS	Planning Assistance to States
P&G	Principles and Guidelines
P&R	Principles and Requirements
P&S	Plans and Specifications
P&S	Principles and Standards
PCA	Pollution Control Agency
PCA	Project Cooperation Agreement
PCX	Planning Center of Expertise
PDT	Project Delivery Team
PED	Preconstruction Engineering and Design
PgMP	Program Management Plan

PILT	Payments In Lieu of Taxes
PIR	Project Implementation Report
PL	Public Law
PMP	Project Management Plan
PORT	Public Outreach Team
PPA	Project Partnership Agreement
PPT	Program Planning Team
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RCP	Regional Contingency Plan
RCPP	Regional Conservation Partnership Program
RDB	Right Descending Bank
RED	Regional Economic Development
RIFO	Rock Island Field Office (now IIFO - Illinois-Iowa Field Office)
RM	River Mile
RP	Responsible Party
RPEDN	Regional Planning and Environment Division North
RPT	Reach Planning Team
RRAT	River Resources Action Team
RRCT	River Resources Coordinating Team
RRF	River Resources Forum
RRT	Regional Response Team
RST	Regional Support Team
RTC	Report to Congress
S.	Senate
SAV	Submersed Aquatic Vegetation
SDWA	Safe Drinking Water Act
SEMA	State Emergency Management Agency
SET	System Ecological Team
SMART	Specific, Measurable, Attainable, Risk Informed, Timely
SONS	Spill of National Significance
SOW	Scope of Work
SRF	State Revolving Fund
SWCD	Soil and Water Conservation District
T&E	Threatened and Endangered
TEUs	twenty-foot equivalent units
TIGER	Transportation Investment Generating Economic Recovery
TLP	Traditional License Process
TMDL	Total Maximum Daily Load
TNC	The Nature Conservancy
TSP	Tentatively selected plan
TSS	Total Suspended Solids
TVA	Tennessee Valley Authority
TWG	Technical Work Group
UMESC	Upper Midwest Environmental Sciences Center

UMIMRA	Upper Mississippi, Illinois, and Missouri Rivers Association
UMR	Upper Mississippi River
UMRBA	Upper Mississippi River Basin Association
UMRBC	Upper Mississippi River Basin Commission
UMRCC	Upper Mississippi River Conservation Committee
UMRCP	Upper Mississippi River Comprehensive Plan
UMR-IWW	Upper Mississippi River-Illinois Waterway
UMRNWFR	Upper Mississippi River National Wildlife and Fish Refuge
UMRR	Upper Mississippi River Restoration Program [Note: Formerly known as Environmental Management Program.]
UMRR CC	Upper Mississippi River Restoration Program Coordinating Committee
UMRS	Upper Mississippi River System
UMWA	Upper Mississippi Waterway Association
USACE	U.S. Army Corps of Engineers
USCG	U.S. Coast Guard
USDA	U.S. Department of Agriculture
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
VTC	Video Teleconference
WCI	Waterways Council, Inc.
WES	Waterways Experiment Station (replaced by ERDC)
WHAG	Wildlife Habitat Appraisal Guide
WHIP	Wildlife Habitat Incentives Program
WIIN	Water Infrastructure Improvements for the Nation Act
WLM	Water Level Management
WLMTF	Water Level Management Task Force
WQ	Water Quality
WQEC	Water Quality Executive Committee
WQTF	Water Quality Task Force
WQS	Water Quality Standard
WRDA	Water Resources Development Act
WRP	Wetlands Reserve Program
WRRDA	Water Resources Reform and Development Act