

August 8, 2023



Upper Mississippi River  
Basin Association

167th Quarterly Meeting

**Agenda**  
with  
Background  
and  
Supporting  
Materials

Radisson Hotel  
La Crosse, Wisconsin



# Upper Mississippi River Basin Association

August 8, 2023

## Agenda

Time	Attachment	Topic	Presenter
9:30 a.m.		Call to Order and Introductions	<i>Rick Pohlman, Illinois DNR and UMRBA Board Chair</i>
9:35	A1-13	Approval of Minutes of May 23, 2023 Meeting and January 30, 2023 Meeting	
9:40	B1-14	Executive Director's Report	<i>Kirsten Wallace, UMRBA</i>
10:00	C1-14	UMRBA Hazardous Spills Prevention and Planning Program	<i>Mark Ellis, UMRBA</i>
10:15	D1-2	Canadian Pacific Kansas City Railroad	<i>Dale Buckholtz, Canadian Pacific Kansas City Railroad</i>
10:45		Break	
11:00	E1-11	Drought Resilience <ul style="list-style-type: none"><li>▪ 2023 Navigation Channel Maintenance Report</li><li>▪ Missouri River Management in Relation to Mississippi River<ul style="list-style-type: none"><li>— USACE Perspective</li><li>— UMRBA Historical Perspective</li></ul></li></ul>	<i>Robert Stanick, USACE</i> <i>John Remus, USACE MVD</i>  <i>Kirsten Wallace, UMRBA</i>
12:00 noon		Lunch	
1:00 p.m.		Drought Resilience (Cont.) <ul style="list-style-type: none"><li>▪ Missouri Drought Plan and 2023 Response Efforts</li><li>▪ Discussion</li></ul>	<i>Chris Wieberg, Missouri DNR</i> <i>All Participants</i>
1:20		Water Resource Development Act 2024 <ul style="list-style-type: none"><li>▪ UMRBA Priorities</li><li>▪ Priorities of Organizations Relevant to UMRS</li></ul>	<i>Kirsten Wallace, UMRBA</i> <i>All Participants</i>
1:45	F1-12	Mississippi Interstate Cooperative Resource Association	<i>Ashlee Smith, Mississippi Wildlife Federation</i>
1:55	G1-8	Administrative Issues <ul style="list-style-type: none"><li>▪ Future Meeting Schedule</li></ul>	
2:00 p.m.		Adjourn	

# ATTACHMENT A

## Minutes

- Minutes of the May 23, 2023 UMRBA Quarterly Meeting (*A-1 to A-11*)
- Minutes of the January 30, 2023 UMRBA Meeting (*A-12 to A-13*)

**Draft**  
**Minutes of the 166th Quarterly Meeting**  
**of the**  
**Upper Mississippi River Basin Association**

**May 23, 2023**  
**St. Paul, Minnesota**

Tim Hall called the meeting to order at 9:30 a.m. Participants were as follows:

UMRBA Representatives and Alternates

Rick Pohlman	Illinois Department of Natural Resources
Chad Craycraft	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
Patrick Phenow	Minnesota Department of Transportation
Matt Vitello	Missouri Department of Conservation
Jim Fischer	Wisconsin Department of Natural Resources

Federal UMRBA Liaisons

Brian Chewning	U.S. Army Corps of Engineers
Mark Gaikowski	U.S. Geological Survey
Sabrina Chandler	U.S. Fish and Wildlife Service (Virtual)

Others in Attendance

Kirk Hansen	Iowa Department of Natural Resources (Virtual)
Randy Schultz	Iowa Department of Natural Resources (Virtual)
Jess Althoff	Minnesota Department of Natural Resources
Vanessa Perry	Minnesota Department of Natural Resources
Ken Henderson	Missouri Department of Agriculture
Bob Bacon	Missouri Department of Natural Resources
Brenda Kelly	Wisconsin Department of Natural Resources (Virtual)
Jayson Schrank	Wisconsin Department of Natural Resources (Virtual)
Mike Halsted	Wisconsin Department of Transportation (Virtual)
Anne Prestwood	U.S. Army Corps of Engineers, MVD
Thatch Shepard	U.S. Army Corps of Engineers, MVD
Jim Cole	U.S. Army Corps of Engineers, MVD
Jeff Varisco	U.S. Army Corps of Engineers, MVD
LeeAnn Riggs	U.S. Army Corps of Engineers, MVD (Virtual)
Ann Banitt	U.S. Army Corps of Engineers, MVP
Angela Deen	U.S. Army Corps of Engineers, MVP
Nathan Wallerstedt	U.S. Army Corps of Engineers, MVP
Col. Jesse Curry	U.S. Army Corps of Engineers, MVR
Ken Barr	U.S. Army Corps of Engineers, MVR (Virtual)

Andrew Goodall	U.S. Army Corps of Engineers, MVR (Virtual)
Kim Thomas	U.S. Army Corps of Engineers, MVR (Virtual)
Daniel Meden	U.S. Army Corps of Engineers, MVR
Karen Hagerty	U.S. Army Corps of Engineers, MVR
Rachel Hawes	U.S. Army Corps of Engineers, MVR (Virtual)
Marshall Plumley	U.S. Army Corps of Engineers, MVR
Julie Millhollin	U.S. Army Corps of Engineers, MVR
Davi Michl	U.S. Army Corps of Engineers, MVR
Greg Kohler	U.S. Army Corps of Engineers, MVS (Virtual)
Brian Markert	U.S. Army Corps of Engineers, MVS
Brian Johnson	U.S. Army Corps of Engineers, Regional Planning Division North
Richard Vaughn	U.S. Department of Agriculture, NRCS (Virtual)
Jason Daniels	U.S. Environmental Protection Agency, Region 7 (Virtual)
Amy Shields	U.S. Environmental Protection Agency, Region 7 (Virtual)
Aleshia Kenney	U.S. Fish and Wildlife Service (Virtual)
Lauren Larson	U.S. Fish and Wildlife Service (Virtual)
Kraig McPeck	U.S. Fish and Wildlife Service (Virtual)
Laura Muzal	U.S. Fish and Wildlife Service (Virtual)
Sara Schmuecker	U.S. Fish and Wildlife Service (Virtual)
JC Nelson	U.S. Geological Survey (Virtual)
Olivia LeDee	U.S. Geological Survey, Midwest Climate Adaptation Science Center (Virtual)
Jennifer Dieck	U.S. Geological Survey, UMESC (Virtual)
Steve Buan	National Oceanic and Atmospheric Administration, NWS
Craig Schmidt	National Oceanic and Atmospheric Administration, NWS
Maren Stoflet	National Oceanic and Atmospheric Administration, NWS (Virtual)
Zac McEachran	National Oceanic and Atmospheric Administration, NWS
Olivia Dorothy	American Rivers (Virtual)
Kim Lutz	America's Watershed Initiative (Virtual)
Lindsay Brice	Audubon (Virtual)
Brent Newman	Audubon
Anshu Singh	Corn Belt Ports (Virtual)
Paul Dierking	HDR Engineering
Gary Loss	HNTB
Fritz Funk	Lake Onalaska Protection and Rehabilitation District
Haley Gambill	Louisiana Sea Grant (Virtual)
Doug Daigle	Lower Mississippi River Sub-Basin Committee (Hypoxia Task Force) (Virtual)
Rick Stoff	Our Mississippi (Virtual)
Lisa Hiebert	City of St. Paul, Public Works
Rick Schute	St. Paul Emergency Management
Bryan Hopkins	The Nature Conservancy
Ashley Peters	University of Minnesota, IonE
Melissa Kenney	University of Minnesota, IonE
Rachel Curry	University of Illinois
Witold Krajewski	University of Iowa
Tom Boland	Unaffiliated
Paul Rhode	Waterways Council, Inc.
Kirsten Wallace	Upper Mississippi River Basin Association
Mark Ellis	Upper Mississippi River Basin Association

Natalie Lenzen	Upper Mississippi River Basin Association
Lauren Salvato	Upper Mississippi River Basin Association
Erin Spry	Upper Mississippi River Basin Association
Andrew Stephenson	Upper Mississippi River Basin Association
Brian Stenquist	Upper Mississippi River Basin Association
Samuel Hund	Upper Mississippi River Basin Association

**Minutes**

Jim Fischer moved and Patrick Phenow seconded a motion to approve the draft minutes of the February 28, 2023 UMRBA quarterly meeting as provided in the agenda packet. The motion was approved unanimously.

**Executive Director’s Report**

Kirsten Wallace announced that U.S. Geological Survey recently named Mark Gaikowski to serve as its federal liaison to UMRBA. Wallace acknowledged Gaikowski’s longstanding partnership with UMRBA and extended a welcome on behalf of the UMRBA Board.

Wallace pointed to the Executive Director’s report in the agenda packet for a summary of the Association’s work efforts since the February 2023 meeting. Wallace elaborated on the following highlights and action items:

- The regional partnership was acknowledged and celebrated through the ASA(CW) Michael Connor’s tour of the Upper Mississippi River Restoration Program’s Beaver Island habitat project and ground breakings of the Upper Pool 4 habitat restoration project, and the Navigation and Ecosystem Sustainability Program’s groundbreaking ceremonies for the Lock 14 mooring cells, L&D 22 fish passage, and L&D 25 second, 1,200-foot lock modernization.
  - The Upper Pool 4 project was one of ten projects selected across the nation under a pilot program for exploring beneficial use of dredged material authorized in Section 1122 of the Water Infrastructure Investment for the Nation (WIIN) Act of 2016.
- UMRBA submitted requests for funding of UMRR, NESP, flow frequency studies, and the Gulf Hypoxia Program. This included briefings with the House and Senate Appropriations Committees and Congressional offices as well as submitting formal requests through online portals available through Congressional delegation within the Upper Mississippi River basin states. Wallace pointed to the agenda packet as well as UMRBA’s website to view the appropriations request letters.
- On March 2, 2023, UMRBA and Waterways Council co-hosted a bicameral, non-partisan briefing among Congressional staff for the purposes of informing new members about NESP and getting all staff to coalesce around a FY 2024 appropriation request of \$120 million for NESP. UMRBA presented on the overall program history, dual purpose authorization, the FY 2023 planned program, and the FY 2024 appropriation request. Waterways Council and The Nature Conservancy provided specific information about the navigation and ecosystem investments, respectively.
- On April 7, 2023, the UMRBA Water Quality Executive Committee submitted a letter to USDA Natural Resources Conservation Service (NRCS) providing suggestions for improving NRCS’s Mississippi River Basin Health Watersheds Initiative (MRBI) and the National Water Quality Initiative

(NWQI). Wallace pointed to the agenda packet as well as UMRBA's website to view the comment letter.

- On March 21-23, 2023, USGS Upper Midwest Environmental Sciences Center (UMESC) hosted at the Forest Products Laboratory in Madison, Wisconsin. The purpose was to inform and inspire collaborative project opportunities centered on nature-based solutions to reduce impacts from extreme precipitation events in the Upper Mississippi River Basin. The workshop was funded by the Midwest Climate Adaptation Science Center. UMRBA staff served as a workshop project advisor and participated in the workshop.
- UMRBA attended several forums held by governmental and nongovernmental entities, including the following:
  - Rep. Betty McCollum's March 16, 2023 "State of our River: Mississippi River Dialogue" forum.
  - Inland Waterways Users Board (IWUB)'s April 13, 2023 quarterly meeting.
  - USACE's Beneficial Use Work Group May 5, 2023 meeting.
  - National Integrated Drought Information System's (NIDIS's) Executive Council April 27, 2023 meeting.
  - Minnesota Pollution Control Agency's March 1, 2023 Ag-Urban Partnership Forum.
  - USEPA's March 9, 2023 National Fish Forum.
  - MRCTI's March 2, 2023 reception.
  - Interstate Council on Water Policy (ICWP) co-hosted with the National Water Supply Alliance the Annual Roundtable on April 4-5, 2023 and Water Policy Summit on April 5, 2023.

Wallace recognized the contributions of the USACE UMRS Districts for their work in hosting the several high-profile events. Col. Jesse Curry noted that the ASA(CW) Connor's remarks at the two NESP groundbreaking ceremonies underscored the strength of the Upper Mississippi River System partnership.

Wallace pointed to UMRBA's January 2023 to March 2023 financial statements provided on pages B-23 to B-27 of the agenda packet. Tim Hall moved and Jim Fischer seconded the motion to accept the Association's budget report and balance sheet as included in the agenda packet. The motion was approved unanimously.

Rick Pohlman provided a brief summary of the Association's estimates for income and expenses in FY 2024 as well as major assumptions. The proposed FY 2024 budget for the Association projects a net income of \$5,400. Matt Vitello moved and Grant Wilson seconded a motion to approve the Association's FY 2024 budget as provided to the UMRBA Board on May 9, 2023.

Wallace provided an overview of the planning support from Meeting Challenges to UMRBA. Meeting Challenges is owned by Brian Stenquist, who has a long history of serving in the Upper Mississippi River Partnership. Stenquist recently retired from Minnesota DNR, which had volunteered Stenquist's personnel time to various river-related initiatives. Meeting Challenges will assist UMRBA in advancing its strategic initiatives. Tim Hall moved and Jim Fischer seconded a motion to approve Kirsten Wallace to enter into a contract with Meeting Challenges for up to \$100,000 over the FY 2024 fiscal year.

Wallace explained the opportunity provided by USGS Midwest Climate Adaptation Science Center to provide entities with funding to advance an important element that would help to advance nature-based solutions to extreme precipitation. In response, Grant Wilson moved and Matt Vitello seconded a motion to authorize Kirsten Wallace to execute a cooperative agreement with USGS Upper Midwest Environmental Science Center for up to \$50,000 to a) develop objectives, prioritization criteria, evaluation metrics, and learning questions related to floodplain reconnection and b) act as the fiscal agent and transfer funds for projects of \$15,000 each implemented by America's Watershed Initiative and American Farmland Trust. The Board understands that acting as the fiscal agent to those two organizations does not involve project oversight or any type of variance power or control.

### **April 2023 Train Derailment in Wisconsin**

Jayson Schrank provided a detailed report of the interagency response to the April 27, 2023 BNSF train derailment and spill located in the backwaters of the Mississippi River south of Desoto, Wisconsin. Shrank said photo images indicate that the track bed was washed out, and was likely the cause of the derailment. He pointed out that several videos posted on social media showed trains running through water in areas along the river before the derailment. According to Shrank, the videos provide evidence that measures could have taken to prevent the derailment.

By May 1, 2023, the recovery efforts were mostly complete. A barge was used to help remove materials from the river, including two containers that had previously floated downriver.

Schrank explained the response challenges to this specific derailment as follows:

- Shipping documents were incomplete and not necessarily indicative of the materials contained in the railcars. Recovery teams learned that the cars contained lithium-ion batteries, paint, and freight of all kinds (FAK), including cat food, sushi, powdered coffee creamer, and other consumer goods. Diesel fuel was likely to leak from the refrigerated cars as they sat overturned. Schrank shared photos of the site that included microplastics, floating debris, and strips of plastic.
- Floodwaters created unique dynamics. High water conditions filled the ditch on the eastern side of the rail, creating difficult conditions for crews to reach the spill site and lengthening response time.

Shrank noted that the backwater areas in this stretch of the river are important for fish and wildlife. On April 28, 2023, Wisconsin DNR and USEPA were able to employ a skirt boom in the backwater area and relocated fish, which were observed as being harmed by the polluted materials.

Ann Banitt said railroad embankments are not constructed to levee standards. According to Banitt, railroad companies should inspect the railroad if and when the Mississippi River is forecasted to exceed a certain discharge. Banitt also suggested that there be consideration to designating a threshold for when to stop railroad traffic due to high water levels or discharge, noting that the Mississippi River closes to navigation at certain high flow rates.

Wallace noted that UMRBA has invited Canadian Pacific to provide a report during UMRBA's August 8, 2023 quarterly meeting. Of particular interest is the projected traffic increases nearby the Mississippi River as a result of the Canadian Pacific and Kansas City railroads. In addition, UMRBA Mapping and Spills Program Director Mark Ellis will provide a report on interagency spills response planning.



## Upper Mississippi River 2023 Flooding Conditions Management Responses

### *Conditions*

Craig Schmidt presented conditions of the 2023 spring flood of the Upper Mississippi River Basin. A large snowpack, a delayed thaw, and rapidly increasing temperatures in late spring were the primary factors that shaped the 2023 flood.

Long range outlooks changed dramatically as the snowpack expanded over the winter, with snow accumulating into April as temperatures increased. As the flooding began, NWS published ten-day probabilistic forecasts of river conditions on their webpage. Schmidt explained that the NWS North Central River Forecast Center (NCRFC) works with the Hydrologic Ensemble Forecasting System (HEFS) to forecast upcoming conditions. Their primary focus was placed on major flooding downstream of St. Paul, Minnesota.

The flood was most severe at forecast locations from St. Paul through Rock Island. Schmidt explained that dry conditions leading into winter reduced the severity of the spring flood as well as the timing of certain rainfalls and thaw events. Early and frequent communication also helped to initiate mitigation measures early in the season.

### *Management Responses*

Rick Pholman observed that advanced warning was critical to the 2023 flood response. The state of Illinois was able to deploy a few teams with drones in the field prior to flooding. The drones provided the ability to continuously update inundation maps to a GIS viewer, which was shared with emergency response personnel. High water marks were recorded and shared with the Corps and also uploaded to the GIS viewer.

Col. Jesse Curry said the predictability of the 2023 flood event granted the Rock Island District with a unique opportunity to deploy over 100 employees in flood mitigation. The District is addressing vulnerabilities throughout the system learned from this flood event.

Jim Fischer stated that one of the impacts of more frequent high water events is rail safety. A small, localized rain event washed out a bridge and caused the derailment in Wisconsin. Insights gained from these events should be incorporated into planning for future resilience approaches. Sabrina Chandler stated there are too many instances of derailments during flood events. Chandler asserted that these incidents can be avoided by having a protocol to inspect track conditions or halt traffic during these events.

### *Case Studies: Local Planning*

#### City of St. Paul

Rick Schute underscored that collaboration, communication, and coordination are all important for the success of emergency management. The citywide objectives for flooding are to maintain safety for city staff and citizens, restore the city to pre-flood design, function, and capacity, and to identify mitigation activities to ensure economic recovery at large. Communication of the river's condition is widespread

during a flood event; the city uses media, city social media channels, navigation apps, emails to property owners, and a flood alert banner on all pages of the city website.

In response to a question from Lauren Salvato, Schute explained that city parks along the river are designed to be flooded to accommodate the river as much as possible.

### Fort Snelling State Park

Fort Snelling State Park spans three Minnesota counties at the confluence of the Minnesota and Mississippi Rivers. Jess Althoff said the flood response team is made up of park managers, Hennepin County Emergency Management, Metropolitan Airports Commission, NWS, and the Hennepin Department of Community Corrections and Rehabilitation.

The Fort Snelling State Park flood response plan relies on gage heights in the Minnesota and Mississippi Rivers as “decision points” at which pre-determined actions are taken to protect the park infrastructure. Closing the park requires a commissioner’s order and notification of partner organizations and agencies, press releases, and notification of the Governor’s office. After action reviews provide the intergovernmental team to evaluate the flood management process, wherein the partnership evaluates the effectiveness of actions, identifies and assesses unforeseen challenges, updates the flood response plan, and updates materials and equipment for the next flood event.

### Cooperative Institute for Research to Operations in Hydrology (CIROH)

#### *Overview*

Melissa Kenney explained that NOAA cooperative institutes are academic and not-for-profit research institutions that collectively work to advance NOAA’s mission and goals. CIROH’s research themes include water prediction and workflows, water data science and hydro informatics, community resilience and community water modeling. CIROH’s research portfolio includes 98 projects with over \$87.9 million in funding. Kenney said some of CIROH’s planned work may not be fully deployed in the coming year because of limited funding available.

#### *CIROH Members and Partners in the Upper Mississippi River Basin*

#### University of Iowa

Witold Krajewski announced that the Iowa Institute for Hydraulic Research (IIHR) recently launched the new Center for Hydrologic Development, which, in part, will be supported through CIROH. The Center for Hydrologic Development’s planned projects through its CIROH program include novel physically-based streamflow monitoring methodology, artificial intelligence augmented immersive visual analytics frameworks, assessment of the National Water Model (NWM) channel routing models for streamflow data assimilation, examination of the value of the NOAA Quantitative Precipitation Forecasts for streamflow processing, and assimilating USGS Next Generation Water Observing System (NGWOS) hydrologic measurements for streamflow prediction.

## University of Minnesota

Kenney reported that the University of Minnesota's CIROH program is being housed in its Institute on the Environment (IonE). Kenney provided an update on IonE's pilot project with NOAA and UMRBA, which includes a social science component and a hard sciences component focused on downscale climate modeling for the Upper Mississippi River basin.

Zac McEachran explained that the downscale climate model is being built to generate a 90-year projection of climate for the region. The goal of this dataset is to inform future basin flow conditions that are used to inform community-based decision making with respect to their resilience. McEachran explained the new analysis that might generate better knowledge of the relative contribution of land use change and climate change divers across the basin.

Kenney explained that the community engagement team is identifying unique stakeholder populations in the region, focusing on identifying low income, marginalized, and indigenous communities. This work will inform expansion of a new decision support system and will help in improving hydrologic decision support visualizations.

## **Federal Fiscal Reports**

UMRBA federal agency partners reported on their respective federal FYs 2023 and 2024 budgets, including how the Administration's priorities for climate resilience and environmental justice are being applied. Key highlights are listed below, accompanied by links to their respective budget documents.

### *U. S. Army Corps of Engineers*

Anna Prestwood explained the various ongoing and planned workload for Mississippi Valley Division (MVD), which has increased tremendously as a result of supplemental funding from Infrastructure Investment and Jobs Act/Bipartisan Infrastructure Law (2022) and disaster supplemental measures in (2019, 2022, and 2023) in addition to regular appropriations. As an example, MVD received \$1.3 billion in FY 2024 alone.

Prestwood detailed the budget impact from the low water event of 2022, which required funding from multiple sources to address dredging, new dike construction, and river channel stabilization. In response to a question from Jim Fischer, Prestwood said increasing costs of dredging material management and placement are being incorporated into out-year budget estimates.

### *U.S. Environmental Protection Agency*

Jason Daniels reported that the annual appropriations, and Infrastructure Investment and Jobs Act/Bipartisan Infrastructure Law, and Inflation Reduction Act have substantially increased resources to USEPA's programs and projects. USEPA's hiring ceiling allowing for more personnel capability to implement the funding.

The President's FY 2024 Budget proposes increases in funding for the Section 319 (nonpoint source) and Section 109 (pollution control) grant programs as well as the clean water and drinking water state revolving funds. Daniels cautioned that the clean water state revolving fund involves highly complex requirements and advised state agencies to consult with their respective USEPA contacts when applying

for funding. USEPA has water technical assistance services that are available to provide technical support for the application process to assist communities applying for federal funding,

The FY 2024 USEPA budget proposal is available at: <https://www.epa.gov/planandbudget/cj>. Annual allotment of federal funds for states, tribes, and territories is available at: <https://www.epa.gov/dwsrf/annual-allotment-federal-funds-states-tribes-and-territories>

#### *U.S. Fish and Wildlife Service*

Sabrina Chandler explained USFWS's eight principles for implementing its responsibilities through the America the Beautiful initiative, as follows:

- a) Pursuing a collaborative and inclusive approach to conservation
- b) Conserving America's Lands and Waters for the Benefit of All People
- c) Supporting locally-led and locally-designed conservation efforts
- d) Honoring tribal sovereignty and supporting the priorities of tribal nations
- e) Pursuing conservation and restoration approaches that create jobs and support healthy communities
- f) Honoring private property rights and supporting the voluntary stewardship efforts of private landowners and fishers
- g) Using science as a guide
- h) Building on existing tools and strategies with an emphasis on flexibility and adaptive approaches

The President's FY 2024 budget proposes \$2.0 billion in nondiscretionary authorities and \$4.1 billion in the discretionary spending. Chandler clarified that the implications to regional budgets are unknown at this time.

Chandler reported that USFWS has allocated funding from the Inflation Reduction Act to three priorities in the Midwest, one of which allocates \$10 million for nature-based solutions in the Upper Mississippi River System floodplain.

The FY 2024 USFWS budget proposal is available at: <https://www.fws.gov/sites/default/files/documents/fy2024-fws-greenbook.pdf-508.pdf>

#### *U.S. Geological Survey*

Mark Gaikowski announced that USGS appointed Jennifer Lacey as the Midcontinent Regional Director. The President's FY 2024 budget of \$1.8 billion for USGS prioritizes the agency's work related to climate resilience for communities and ecosystems, key conservation and management issues, drought resilience in the west, and other opportunities for management. Of the \$1.8 billion, allocations to its main mission areas are \$4.95 million for ecosystems, \$313.4 million for water, and \$316.8 million for core science.

The FY 2024 USGS budget proposal is available at: <https://www.usgs.gov/bpi/usgs-fy2024-budget>.

### *National Oceanic and Atmospheric Administration*

Steve Buan said NOAA is currently investing \$97 million in upgrading and servicing weather radars over federal FYs 2023 and 2024. NOAA's Office of Water Prediction will release a new generation of flood inundation mapping information showing flooding extents at street level starting in the fall of 2023. Data will be first available on the coasts, but the tool will become available to Missouri and Illinois in 2024.

The President's FY 2024 budget proposal requests \$6.8 billion for NOAA, of which \$1.38 billion is proposed to be allocated to the National Weather Service. The funding to the National Weather Service would advance the Administration's priorities related to delivery of weather-related forecasts and warnings.

The FY 2024 NOAA budget proposal is available at: <https://www.noaa.gov/organization/budget-finance-performance/budget-and-reports>.

### *U.S. Department of Agriculture, NRCS*

Richard Vaughn said the Inflation Reduction Act provided unprecedented funding levels that will supplement annual appropriations for several of NRCS's existing programs for over a five-year timeframe starting in FY 2023. The Administration's priority for improving soil carbon, reducing nitrogen losses, and the reducing, capturing, avoiding, or sequestering carbon dioxide, methane or nitrous oxide emissions associated with agricultural production.

The FY 2024 USDA budget is available at: <https://www.usda.gov/our-agency/about-usda/budget>.

### **Navigation and Ecosystem Sustainability Program (NESP)**

Andrew Goodall reported that the NESP Coordinating Committee (NESP CC) meeting is scheduled to convene its next quarterly meeting on June 28, 2023 in East Moline.

On May 18, 2023, NESP celebrated two groundbreaking events for the L&D 22 fish passage project and the second, 1,200-foot chamber at L&D 25. Goodall extended appreciation to Corps staff and the partnership for the success of those events.

Goodall announced that the Corps received \$18.379 million for the ecosystems program in the FY 2023 work plan. This funding will support \$5 million for additional project development (including partner funding), \$4.379 million for L&D 22 fish passage construction and monitoring, and \$4.5 million in project implementation report data collection. In response to a question from Kirsten Wallace, Goodall said strategic planning for NESP would be among the work supported through the FY 2023 work plan allocation. In response to a question from Wallace, Goodall confirmed that MVD has not yet delegated authority of the partner funding agreements to the Rock Island District. Goodall anticipates that delegated authority soon.

Goodall reported that the Corps is advancing design and pre-solicitation activities for the second, 1,200-foot lock chamber at L&D 25. In March 2024, the Corps plans to award early contractor involvement-integrated design and construction (ECI-IDaC) award. It is currently anticipated that the lock construction would be complete in October 2024. Goodall explain that there is a scour hole located in the construction area that is 60- to 80-foot-deep that needs to be addressed prior to construction.

Physical modeling is ongoing at ERDC to test lock configurations for the new 1,200-foot chamber at the La Grange L&D. Design work is planned to be complete by the end of the fiscal year. The first construction contractor industry day is planned for July 2023.

Priorities for NESP in FY 2024 include construction of seven new mooring cells and the initial construction contract for La Grange L&D. Ecosystem priorities include completion of the L&D 22 fish passage project, continued project planning and design on several projects, partner funding, and programmatic activities. Jim Fischer asked when the NESP Coordinating Committee might initiate strategic planning with state partners. Goodall stated that strategic planning will a topic raised to the NESP Coordinating Committee during its June 28 meeting.

## **Other Business**

### *Partner Recognition*

On behalf of the UMRBA Board, Kirsten Wallace recognized and thanked Karen Hagerty for her tremendous contributions to the Upper Mississippi River Basin through her work on the Upper Mississippi River Restoration program's long term resource monitoring. Hagerty is scheduled to retire in July 2023 after more than 20 years of service in the basin.

### *Future Meeting Schedule*

August 2023 – La Crosse, Wisconsin

- UMRBA Quarterly Meeting – August 8
- UMRR Coordinating Committee quarterly meeting – August 9

October 2023 – St. Louis, Missouri

- UMRBA Quarterly Meeting – October 24
- UMRR Coordinating Committee quarterly meeting – October 25

February 2024 – Virtual

- UMRBA Quarterly Meeting – February 24
- UMRR Coordinating Committee quarterly meeting – February 25

With no further business, the meeting adjourned at 2:30 p.m.

**Minutes of the  
Upper Mississippi River Basin Association**

**January 30, 2023  
Virtual Meeting**

UMRBA Representatives and Alternates

Rick Pohlman	Illinois Department of Natural Resources
Loren Wobig	Illinois Department of Natural Resources
Tim Hall	Iowa Department of Natural Resources
Grant Wilson	Minnesota Department of Natural Resources
Erin Fanning	Missouri Department of Natural Resources
Jim Fischer	Wisconsin Department of Natural Resources

Other Participants

Marc Kotsonas	Mahoney
Samuel Broman	Mahoney
Kirsten Wallace	Upper Mississippi River Basin Association
Natalie Lenzen	Upper Mississippi River Basin Association

Tim Hall called the meeting to order at 2:00 p.m.

*Upper Mississippi River Restoration Program Contract*

Kirsten Wallace reminded that the Upper Mississippi River Basin Association (UMRBA) has provided staff support services to the Upper Mississippi River Restoration (UMRR) Coordinating Committee since January 1992. Since 2012, the contractual approach is to execute a one-year base contract with four option years. The five-year agreement is expired, and the Rock Island District has provided UMRBA a contract proposal with up to \$135,500 for staff support in a base year and a two percent annual increase between option years.

With no questions from UMRBA Board members, Rick Pohlman moved and Grant Wilson seconded a motion to authorize Kirsten Wallace to execute the UMRR five-year agreement with the Rock Island District for up to \$720,000 over the five year timeframe.

*UMRBA Personnel Manual*

Kirsten Wallace reviewed the status for renewing the UMRBA Personnel Manual. Board members discussed their state policies related to jury duty and administrative leave and directed Wallace to refine those two provisions. The Board directed Wallace to provide the draft renewed Personnel Manual to staff with a request for any provisions needing further clarity.

### *UMRBA Biennial Audit*

UMRBA is on a two-year cycle for its independent audits, which have been conducted for many years by the St. Paul firm of Mahoney (Previously, Mahoney, Ulbrich, Christiansen & Russ). UMRBA Treasurer Jason Tidemann has reviewed drafts of the audit-related documents for FYs 2021 and 2022 and draft Form 990 for 2022.

The purpose for this discussion is to provide Board members with a review opportunity before MUCR proceeds with finalizing the statements and letter. It has been customary for MURC to present the final audit to the Board. This has typically occurred during the Board's in-person breakfast meetings prior to a quarterly meeting.

Marc Kotsonas and Samuel Broman are Mahoney's lead staff employing UMRBA's biennial audit. Kotsonas and Broman provided an overview of the statements and management letter. UMRBA Board members had no questions.

### *UMRBA Staff Compensation*

In light of the Board's new and expanding priorities for UMRBA, the Board has spent the last year considering growing roles for existing staff and the need for additional staff. In many of these discussions, this has illuminated the need for a renewed organizational structure and an independent evaluation of job classifications and compensation. Additionally, the Board has acknowledged that having a job classification and compensation system would allow for objectively and accurately defining and evaluating staff duties, responsibilities, tasks, and authority levels as well as compensation.

In response to UMRBA Board direction, Wallace and Natalie Lenzen issued a request for proposal and received three proposals for developing the job classification and compensation system. Wallace reviewed a proposal from Gallagher that has an estimated cost of \$12,875. Pohlman moved and Wilson seconded a motion to authorize Wallace to enter into the contract with Gallagher.



# **ATTACHMENT B**

## **Executive Director's Report**

- Executive Director's Report *(B-1 to B-5)*
- Treasurer's Quarterly Statement (7/24/2023) *(B-6)*
- FY 2023 Profit and Loss Statement (7/24/2023) *(B-7 to B-9)*
- FY 2024 Profit and Loss Statement (7/24/2023) *(B-10 to B-12)*
- Balance Sheet (7/24/2023) *(B-13 to B-14)*



## **Executive Director's Report August 2023**

### **UMRBA STAFF**

UMRBA hired Sam Hund and Ken Petersen as GIS and Planning Assistants to support ongoing Inland Sensitivity Atlas (ISA) work for USEPA Region 5. They started on May 15, 2023 and May 25, 2023, respectively.

### **ADVOCACY**

#### *USACE Project Partnership Agreements*

UMRBA participated in a bicameral, bipartisan briefing among Congressional staff for the purposes of generating strong shared support among members for reforming the U.S. Army Corps of Engineers (USACE) cost-share project partnership agreements (PPAs) through the 2024 Water Resources Development Act. The meeting objectives were to create a shared understanding of the liability issues associated with these agreements and to create a collaborative approach to reforming the liability component of these agreements.

The Interstate Council on Water Policy (ICWP) hosted the briefing and was joined by representatives of state, interstate, and nongovernmental organizations throughout the nation.

### **COMMERCIAL NAVIGATION**

#### *National Waterways Foundation*

Kirsten Wallace serves as a Trustee of the National Waterways Foundation and attended its June 15, 2023. The meeting was held virtually. Among regular business, the Foundation trustees discussed the status and objectives of current research projects.

#### *Corn Belt Ports Meeting*

The Corn Belt Ports convened a meeting on June 21, 2021 in Quincy, Illinois, hosting a series of presentations from federal and state agencies regarding their respective navigation programs. MARAD discussed its grant and loan opportunities to fund ports and other infrastructure investment in the region. The Corps provided an update of the Navigation and Ecosystem Sustainability Program. The DOTs of Illinois, Iowa, and Missouri presented on their respective waterways programs and UMRBA staff shared an overview of its navigation program.

#### *Inland Waterways Users Board*

UMRBA attended the Inland Waterways Users Board (IWUB) July 20, 2023 meeting in Paducah, Kentucky. The meeting included routine updates of the Inland Waterway Trust Fund, USACE navigation program fiscal status, and ongoing navigation projects that are cost-shared using the Inland Waterway Trust Fund monies. As part of the latter report, the Rock Island and St. Louis Districts reported on the lock major rehabilitation projects on the Illinois River and L&D 25 and La Grange lock modernization

projects. Additionally, the Mississippi Valley Division reported on its low water actions this year on the Mississippi River.

## **ECOSYSTEM HEALTH**

### *Long Term Monitoring and Science*

#### UMRR Information Needs

UMRR is employing an implementation planning process for UMRR long term resource monitoring, focusing on the potential to expand knowledge of the Upper Mississippi River System and to inform ecosystem restoration and management. The planning process advances an objective of the UMRR 2015-2025 Strategic Plan by identifying specific unmet information and research needs and prioritizing actions to address those needs.

The *ad hoc* planning team initially identified 29 information needs and prioritized 11 of those information needs by considering existing and anticipated future funding. In summer 2023, the team consolidated the prioritized information needs to nine and developed associated cost needs.

The planning team is scheduled to present this refined suite of priority information needs and cost estimates to the UMRR Coordinating Committee at its August 9, 2023 meeting. The intent is that these information needs would be funded through UMRR through federal FY 2023 to FY 2026.

### *Restoration and Management*

#### UMRR Project Selection

The UMRR Program Planning Team convened a July 11, 2023 meeting to discuss the upcoming UMRR HREP selection process. The Planning Team involves the UMRR Coordinating Committee, District HREP Managers, and District-Based River Team Chairs. Participants discussed the proposed process and schedule and alignment with the planned NESP project selection process. In particular, participants focused on approaches for integrating environmental justice principles throughout the project selection process, including at the outset. This includes resources that may be available to the River Teams. According to the schedule, the River Teams will present proposed project fact sheets to the UMRR Coordinating Committee during its February 2025 quarterly meeting.

#### NESP Project Selection

The NESP Coordinating Committee convened a June 26, 2023 meeting to initiate the next NESP ecosystem project selection process. The process is anticipated to occur within 18 months. Meeting participants reviewed the NESP project planning guidelines and NESP fact sheet template. Supporting materials being developed include an interactive map, NESP design pamphlets and parametric costs for project features, and an outreach plan to engage non-traditional project sponsors. Vanessa Perry, Minnesota DNR, presented on how social indicators could be incorporated into ecosystem restoration efforts on the river.

#### NESP Systemic Forest Stewardship Plan Appendix

The Corps convened a June 2, 2023 meeting to discuss the development of an appendix to guide implementation of the 2012 Systemic Forest Stewardship Plan through the Navigation and Ecosystem Sustainability Program. The appendix aligns regional forestry efforts and establishes the regional

forestry team to prioritize implementation actions and applied research. The scope of forestry activities covered in the plan is limited to reoccurring and routine maintenance tasks.

#### *Policy and Programmatic Interagency Coordination*

##### UMRR Coordinating Committee Meeting

The UMRR Coordinating Committee met on May 24, 2023 in St. Paul, 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 meeting also featured GIS StoryMaps capabilities to support habitat projects as well as the perspective of habitat project leads to deal with the challenges of high water and high prices and in implementing innovative opportunities.

##### UMRR Implementation Issues

Following conclusion of the quarterly meeting on May 24, 2023, the UMRR Coordinating Committee convened to discuss actions to address implementation issues identified in 2021. Coordinating Committee members reviewed the results of a survey distributed in November 2022 to gauge which actions had broad support and which may be priorities. Members also completed a facilitated exercise to identify which organizations will provide leadership in the following topical areas: federal easement lands, water level management, project partnership agreements, watershed inputs and climate change, engaging non-traditional project sponsors, external communications, and floodplain regulations.

##### NESP Coordinating Committee Meeting

The NESP Coordinating Committee convened a June 28, 2023 meeting in East Moline, Illinois. The meeting was the second formal, public-facing convening of the Coordinating Committee since NESP received construction funding in 2022. The Corps provided updates on the NESP navigation investments and L&D 22 fish passage groundbreaking. Partners shared their suggestions for ecosystem project selection, including by integrating public involvement. Additionally, Corps and UMRBA staff provided briefings of the Sustainable Rivers Program, the Forest Stewardship Plan, and water level management.

## **RESILIENCE PLANNING**

#### *Natural Capital Roundtable*

On May 31, 2023, McKinsey and Company, The Nature Conservancy, and Wilson Center jointly hosted a roundtable centering on investing in natural capital in the U.S. The discussions focused on solutions to bottlenecks hindering more effective management of, and investment in, natural capital.

#### *Upper Mississippi, Illinois, and Missouri Rivers Association*

UMRBA staff attended the June 22, 2023 annual meeting of the Upper Mississippi, Illinois, and Missouri Rivers Association (UMIMRA). The UMIMRA meeting hosted a series of presentations focused on 2023 weather outlook and longer-term climate trends, the U.S. Army Corps of Engineers' levee safety authorities, the Federal Emergency Management Agency flood-related programs, and UMIMRA member levee district perspectives.

## *Natural Infrastructure*

On June 29-30, 2023, the Environmental Defense Fund hosted a workshop focused on quantifying the downstream benefits of natural infrastructure. The Environmental Defense Fund's objectives for the meeting were to increase knowledge regarding the use of natural infrastructure for reducing flood risk and improve water quality as well as to identify possible models and paths for resourcing natural infrastructure investments. UMRBA staff participated in the workshop, which was held in East Alton, Illinois.

## **HAZARDOUS SPILLS COORDINATION, MAPPING, AND PLANNING**

### *Oil Pollution Act (OPA) Planning and Mapping*

UMRBA staff continue to update the statewide Illinois Inland Sensitivity Atlas. Staff have completed data layers of historic sites and boat access points. The most recent geodatabase was delivered to USEPA Region 5 on August 4, 2023.

UMRBA staff participated in the following engagements:

- Mapping Group conference calls on June 5, July 10, and August 7, 2023
- Inland zone planning calls on June 15 and July 20, 2023

UMRBA hosted a hybrid planning meeting for the Minneapolis/St. Paul Sub-area on July 24, 2023. UMRBA staff provided general support for spill response planning in the Upper Mississippi River and Greater St. Louis sub-areas.

UMRBA staff are coordinating field work to verify draft response strategies in UMR Pools 25 and 26 on August 22-23, 2023. Participants include members of St. Charles County (Missouri) Emergency Management, Illinois EPA, Missouri DOC, Missouri DNR, USACE, USEPA Regions 5 and 7, and USFWS.

### *Upper Mississippi River Hazardous Spills Coordination Group*

The UMR Spills Group met virtually on June 20, 2023 to select Tony Falconio of Illinois EPA to serve as the new Spills Group Chair and to reestablish a rotation schedule for the position.

UMRBA staff have updated UMR Pool Spill Response Plan contact lists and submitted the updated documents to USEPA. UMRBA also hosts the documents on its website, linked here: <https://umrba.org/focus-area/hazardous-spills>.

After receiving the final signature for the UMR Spill Response Plan MOU, UMRBA staff submitted the final version to Regional Response Teams 5 and 7.

## **WATER QUALITY**

### *UMRBA Water Quality Committees*

The UMRBA Water Quality Executive Committee and Water Quality Task Force met jointly on June 13-14, 2022 in Muscatine, Iowa. The agenda topics included UMRBA's water quality program and ongoing projects, nutrient management, and legacy pesticides. On behalf of the Upper Mississippi River Restoration (UMRR) program, UMRBA presented UMRR's ecological information needs for the purposes

of sharing potential work under UMRR that may benefit the states' CWA programs. The Water Quality Executive Committee and Task Force also revisited recommendations from the 2009 workshop, which convened CWA and ecosystem restoration practitioners as a means for identifying collaboration opportunities.

The UMRBA Water Quality Task Force (WQTF) also held a working session on June 13, 2023 focused on implementing the UMRBA Interstate Water Quality Monitoring Plan in 2025-2026.

#### *Nutrient Management*

UMRBA is planning to host the second of two workshops regarding multi-benefit conservation practices for nutrient management in October 2023 in St. Louis, Missouri. On June 29, 2023, UMRBA convened a pre-workshop webinar to build a shared understanding of existing projects that are addressing gaps in financial, research, and communication/social science at different scales in the Upper Mississippi River Basin. Presenters included representatives from Illinois Corn, The Nature Conservancy, American Farmland Trust, and University of Wisconsin – Madison.

#### **FINANCIAL REPORT**

Attached as page B-6 is UMRBA Treasurer Jason Tidemann's statement regarding his review of UMRBA's financial statement for the period of April 1, 2023 to June 30, 2023.

Attached as pages B-7 to B-14 are UMRBA's 2023 budget reports and balance sheet. As of June 30, 2023, ordinary income for FY 2023 totaled \$802,274.67 and expenses totaled \$925,918.51 for net ordinary income of -\$121,643.84. As of this date, UMRBA's cash assets totaled \$108,460.07.

## Natalie Lenzen

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**From:** Tidemann, Jason (DNR) <jason.tidemann@state.mn.us>  
**Sent:** Monday, July 24, 2023 3:51 PM  
**To:** Natalie Lenzen  
**Subject:** RE: UMRBA April 1 - June 30 Treasurer Report

Hello Kirsten,

As Treasurer, I have reviewed the monthly financial statements for the period 4/1/23-6/30/23. 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

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**From:** Natalie Lenzen <nlenzen@umrba.org>  
**Sent:** Monday, July 24, 2023 12:29 PM  
**To:** Tidemann, Jason (DNR) <jason.tidemann@state.mn.us>  
**Subject:** UMRBA April 1 - June 30 Treasurer Report

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Jason –

I would like to request your statement of review of our April 2023 through June 2023 financials for the Treasurer's report in the August 8, 2023 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)  
7831 E. Bush Lake Rd., Suite 302, Bloomington, MN 55439  
[nlenzen@umrba.org](mailto:nlenzen@umrba.org) | 651-224-2880 (*office*)  
Find us online at [www.umrba.org](http://www.umrba.org) or [Facebook](#)

# Upper Mississippi River Basin Association

## FY 2023 Profit & Loss Budget Overview

July 2022 - June 2023

	TOTAL		
	ACTUAL	BUDGET	OVER BUDGET
<b>Revenue</b>			
4000 State Dues			
Illinois Dues	63,500.00	63,500.00	0.00
Iowa Dues	63,500.00	63,500.00	0.00
Minnesota Dues	63,500.00	63,500.00	0.00
Missouri Dues	63,500.00	63,500.00	0.00
Wisconsin Dues	63,500.00	63,500.00	0.00
WQ Assessment	102,500.00	102,500.00	0.00
<b>Total 4000 State Dues</b>	<b>420,000.00</b>	<b>420,000.00</b>	<b>0.00</b>
4100 Contracts and Grants			
COE (RTC)	33,500.00	33,500.00	0.00
COE (UMRR)	72,844.82	85,716.60	-12,871.78
EPA (OPA)	197,532.85	240,000.00	-42,467.15
Interstate WQ Pilot	2,641.40	2,640.00	1.40
NESP		1.00	-1.00
USEPA NRS Workshops	68,454.15	82,000.00	-13,545.85
<b>Total 4100 Contracts and Grants</b>	<b>374,973.22</b>	<b>443,857.60</b>	<b>-68,884.38</b>
4200 Interest Income	406.69		406.69
Short Term Interest			
Short Term (CD)		4,000.00	-4,000.00
Short Term (Checking)	3,760.67	4,800.00	-1,039.33
Short Term (Savings)	405.56	400.00	5.56
Short Term (Sweep)	3,258.53	3,000.00	258.53
<b>Total Short Term Interest</b>	<b>7,424.76</b>	<b>12,200.00</b>	<b>-4,775.24</b>
<b>Total 4200 Interest Income</b>	<b>7,831.45</b>	<b>12,200.00</b>	<b>-4,368.55</b>
4300 Other Income			
Meeting Meals Income	810.00		810.00
Workshop Meals Income	660.00		660.00
<b>Total 4300 Other Income</b>	<b>1,470.00</b>		<b>1,470.00</b>
<b>Total Revenue</b>	<b>\$804,274.67</b>	<b>\$876,057.60</b>	<b>\$ -71,782.93</b>
<b>GROSS PROFIT</b>	<b>\$804,274.67</b>	<b>\$876,057.60</b>	<b>\$ -71,782.93</b>
<b>Expenditures</b>			
5000 Depreciation			
Gross Payroll			
Benefits	103,400.53	125,000.00	-21,599.47
Benefits OPA	3,372.24	0.00	3,372.24
Benefits STC	0.00	0.00	0.00
Benefits UMRBA Time	0.00	0.00	0.00
OPA Wages	72,026.07	0.00	72,026.07
Salary	387,875.92	470,000.00	-82,124.08
UMRBA Time Wages	1.75	0.00	1.75
<b>Total Gross Payroll</b>	<b>566,676.51</b>	<b>595,000.00</b>	<b>-28,323.49</b>



# Upper Mississippi River Basin Association

## FY 2023 Profit & Loss Budget Overview

July 2022 - June 2023

	TOTAL		
	ACTUAL	BUDGET	OVER BUDGET
<b>Total 5000 Depreciation</b>	<b>566,676.51</b>	<b>595,000.00</b>	<b>-28,323.49</b>
5001 Payroll Expenses			
Medicare Company	8,542.30	8,627.50	-85.20
Salary	26,386.80		26,386.80
SocSec Company	35,133.94	36,890.00	-1,756.06
SUTA (Minnesota UC)	857.42	297.50	559.92
Taxes	2,170.87		2,170.87
Workforce Enhancement Fee	362.88	297.50	65.38
<b>Total 5001 Payroll Expenses</b>	<b>73,454.21</b>	<b>46,112.50</b>	<b>27,341.71</b>
5002 Benefits Administration	977.00	1,000.00	-23.00
5100 Space Rental			
Office Rental	51,050.96	53,000.00	-1,949.04
<b>Total 5100 Space Rental</b>	<b>51,050.96</b>	<b>53,000.00</b>	<b>-1,949.04</b>
5101 Legal and Financial			
Bank Charges	69.00	70.00	-1.00
Insurance	5,977.55	6,200.00	-222.45
Legal and Tax Services	13,170.00	15,000.00	-1,830.00
<b>Total 5101 Legal and Financial</b>	<b>19,216.55</b>	<b>21,270.00</b>	<b>-2,053.45</b>
5102 Telephone/Communications	12,829.26	8,000.00	4,829.26
5103 Communications/Publications	41,461.00	35,000.00	6,461.00
5104 Equipment			
Equipment (Maint./Rental)	2,690.36	1,000.00	1,690.36
Equipment (Purchase)	5,500.07		5,500.07
<b>Total 5104 Equipment</b>	<b>8,190.43</b>	<b>1,000.00</b>	<b>7,190.43</b>
5105 Supplies	938.11	1,500.00	-561.89
5106 Postage	119.89	300.00	-180.11
5107 Other Services	15,287.00	6,000.00	9,287.00
5108 Reproduction			
Copy Service	322.58	600.00	-277.42
Printing		0.00	0.00
<b>Total 5108 Reproduction</b>	<b>322.58</b>	<b>600.00</b>	<b>-277.42</b>
5200 Meeting Expenses	42,685.66	30,000.00	12,685.66
5201 Travel	42,796.52	40,000.00	2,796.52
5202 State Travel Reimbursement			
Illinois	2,317.14	5,000.00	-2,682.86
Iowa	3,103.44	5,000.00	-1,896.56
Minnesota		5,000.00	-5,000.00
Missouri	739.23	5,000.00	-4,260.77
State WQ Travel		3,500.00	-3,500.00
Wisconsin		5,000.00	-5,000.00
<b>Total 5202 State Travel Reimbursement</b>	<b>6,159.81</b>	<b>28,500.00</b>	<b>-22,340.19</b>
5301 OPA Expenses			

# Upper Mississippi River Basin Association

## FY 2023 Profit & Loss Budget Overview

July 2022 - June 2023

	TOTAL		
	ACTUAL	BUDGET	OVER BUDGET
Equipment (Maint./Rental) OPA	5,731.98	6,500.00	-768.02
Equipment OPA	1,204.26	1,000.00	204.26
Other OPA		50.00	-50.00
Travel OPA	2,430.29	2,000.00	430.29
<b>Total 5301 OPA Expenses</b>	<b>9,366.53</b>	<b>9,550.00</b>	<b>-183.47</b>
5302 USEPA NRS Workshops			
Communications	21,558.28	3,900.00	17,658.28
Meeting Expenses	5,081.03	40,000.00	-34,918.97
Supplies		100.00	-100.00
Travel	2,745.33	4,700.00	-1,954.67
Travel Assistance	4,851.85	10,000.00	-5,148.15
<b>Total 5302 USEPA NRS Workshops</b>	<b>34,236.49</b>	<b>58,700.00</b>	<b>-24,463.51</b>
5303 Interstate WQ Expenses			
Data Collection/Analysis IntWQ		0.00	0.00
Other Interstate WQ	150.00	0.00	150.00
<b>Total 5303 Interstate WQ Expenses</b>	<b>150.00</b>	<b>0.00</b>	<b>150.00</b>
<b>Total Expenditures</b>	<b>\$925,918.51</b>	<b>\$935,532.50</b>	<b>\$ -9,613.99</b>
NET OPERATING REVENUE	<b>\$ -121,643.84</b>	<b>\$ -59,474.90</b>	<b>\$ -62,168.94</b>
NET REVENUE	<b>\$ -121,643.84</b>	<b>\$ -59,474.90</b>	<b>\$ -62,168.94</b>

# Upper Mississippi River Basin Association

## FY 2024 Profit & Loss Budget Overview

July 2023 - June 2024

	TOTAL		
	ACTUAL	BUDGET	OVER BUDGET
<b>Revenue</b>			
4000 State Dues			
Illinois Dues		67,000.00	-67,000.00
Iowa Dues		67,000.00	-67,000.00
Minnesota Dues		67,000.00	-67,000.00
Missouri Dues		67,000.00	-67,000.00
Wisconsin Dues		67,000.00	-67,000.00
WQ Assessment		108,000.00	-108,000.00
<b>Total 4000 State Dues</b>		<b>443,000.00</b>	<b>-443,000.00</b>
4100 Contracts and Grants			
COE (UMRR)	0.00	135,500.00	-135,500.00
EPA (OPA)	0.00	240,000.00	-240,000.00
Interstate WQ Pilot		0.00	0.00
Missouri DoC (WLM)		0.00	0.00
NESP		200,000.00	-200,000.00
USEPA (HTF)		75,000.00	-75,000.00
USEPA (OWOW)		80,000.00	-80,000.00
USEPA NRS Workshops	0.00		0.00
USGS Nature-Based Solutions		50,000.00	-50,000.00
<b>Total 4100 Contracts and Grants</b>	<b>0.00</b>	<b>780,500.00</b>	<b>-780,500.00</b>
4200 Interest Income			
Short Term Interest			
Short Term (CD)		17,300.00	-17,300.00
Short Term (Checking)		6,000.00	-6,000.00
Short Term (Savings)		0.00	0.00
Short Term (Sweep)		8,400.00	-8,400.00
<b>Total Short Term Interest</b>		<b>31,700.00</b>	<b>-31,700.00</b>
<b>Total 4200 Interest Income</b>		<b>31,700.00</b>	<b>-31,700.00</b>
<b>Total Revenue</b>	<b>\$0.00</b>	<b>\$1,255,200.00</b>	<b>\$ -1,255,200.00</b>
<b>GROSS PROFIT</b>	<b>\$0.00</b>	<b>\$1,255,200.00</b>	<b>\$ -1,255,200.00</b>
<b>Expenditures</b>			
5000 Depreciation			
Depreciation OPA		0.00	0.00
Depreciation UMRBA		0.00	0.00
Gross Payroll			
Accrued Vacation		0.00	0.00
Annual Leave Lump Sum (Salary)		187,080.87	-187,080.87
Benefits		0.00	0.00
Benefits OPA		0.00	0.00
Benefits STC		0.00	0.00
Benefits UMRBA Time		0.00	0.00
OPA Wages		0.00	0.00

# Upper Mississippi River Basin Association

## FY 2024 Profit & Loss Budget Overview

July 2023 - June 2024

	TOTAL		
	ACTUAL	BUDGET	OVER BUDGET
Salary		623,302.90	-623,302.90
UMRBA Time Wages		0.00	0.00
<b>Total Gross Payroll</b>		<b>810,383.77</b>	<b>-810,383.77</b>
<b>Total 5000 Depreciation</b>		<b>810,383.77</b>	<b>-810,383.77</b>
5001 Payroll Expenses			
Accrued Vacation FICA		0.00	0.00
Federal Loan Interest Assess		0.00	0.00
Medicare Company		11,754.91	-11,754.91
Salary	26,386.82		26,386.82
SocSec Company		50,262.39	-50,262.39
SUTA (Minnesota UC)		405.34	-405.34
Taxes	4,171.17		4,171.17
Wages	27,631.17		27,631.17
Workforce Enhancement Fee		405.34	-405.34
<b>Total 5001 Payroll Expenses</b>	<b>58,189.16</b>	<b>62,827.98</b>	<b>-4,638.82</b>
5002 Benefits Administration	109.00	1,000.00	-891.00
5100 Space Rental			
Office Rental	4,641.63	55,089.00	-50,447.37
<b>Total 5100 Space Rental</b>	<b>4,641.63</b>	<b>55,089.00</b>	<b>-50,447.37</b>
5101 Legal and Financial			
Bank Charges		40.00	-40.00
Insurance	120.00	6,200.00	-6,080.00
Legal and Tax Services		5,000.00	-5,000.00
<b>Total 5101 Legal and Financial</b>	<b>120.00</b>	<b>11,240.00</b>	<b>-11,120.00</b>
5102 Telephone/Communications	545.24	8,000.00	-7,454.76
5103 Communications/Publications	0.00	50,000.00	-50,000.00
5104 Equipment			
Equipment (Maint./Rental)	163.49	1,000.00	-836.51
Equipment (Purchase)	3,163.19		3,163.19
<b>Total 5104 Equipment</b>	<b>3,326.68</b>	<b>1,000.00</b>	<b>2,326.68</b>
5105 Supplies	84.47	5,000.00	-4,915.53
5106 Postage		200.00	-200.00
5107 Other Services		10,000.00	-10,000.00
5108 Reproduction			
Copy Service		0.00	0.00
<b>Total 5108 Reproduction</b>		<b>0.00</b>	<b>0.00</b>
5200 Meeting Expenses	675.00	50,000.00	-49,325.00
5201 Travel	224.30	50,000.00	-49,775.70
5202 State Travel Reimbursement			
Illinois		5,000.00	-5,000.00
Iowa		5,000.00	-5,000.00
Minnesota		5,000.00	-5,000.00

# Upper Mississippi River Basin Association

## FY 2024 Profit & Loss Budget Overview

July 2023 - June 2024

	TOTAL		
	ACTUAL	BUDGET	OVER BUDGET
Missouri		5,000.00	-5,000.00
State WQ Travel		3,500.00	-3,500.00
Wisconsin		5,000.00	-5,000.00
<b>Total 5202 State Travel Reimbursement</b>		<b>28,500.00</b>	<b>-28,500.00</b>
5300 USGS Nature-Based Solutions			
Other Contractual Services		30,000.00	-30,000.00
UMRBA Contractual Services		8,000.00	-8,000.00
<b>Total 5300 USGS Nature-Based Solutions</b>		<b>38,000.00</b>	<b>-38,000.00</b>
5301 OPA Expenses			
Equipment (Maint./Rental) OPA		6,500.00	-6,500.00
Equipment OPA		1,000.00	-1,000.00
Other OPA		50.00	-50.00
Travel OPA		2,000.00	-2,000.00
<b>Total 5301 OPA Expenses</b>		<b>9,550.00</b>	<b>-9,550.00</b>
5302 USEPA NRS Workshops			
Communications		3,900.00	-3,900.00
Meeting Expenses		40,000.00	-40,000.00
Supplies		100.00	-100.00
Travel		4,700.00	-4,700.00
Travel Assistance		10,000.00	-10,000.00
<b>Total 5302 USEPA NRS Workshops</b>		<b>58,700.00</b>	<b>-58,700.00</b>
5303 Interstate WQ Expenses			
Data Collection/Analysis IntWQ		0.00	0.00
Other Interstate WQ		0.00	0.00
<b>Total 5303 Interstate WQ Expenses</b>		<b>0.00</b>	<b>0.00</b>
<b>Total Expenditures</b>	<b>\$67,915.48</b>	<b>\$1,249,490.75</b>	<b>\$ -1,181,575.27</b>
NET OPERATING REVENUE	<b>\$ -67,915.48</b>	<b>\$5,709.25</b>	<b>\$ -73,624.73</b>
NET REVENUE	<b>\$ -67,915.48</b>	<b>\$5,709.25</b>	<b>\$ -73,624.73</b>

# Upper Mississippi River Basin Association

## Balance Sheet

All Dates

	TOTAL
<b>ASSETS</b>	
Current Assets	
Bank Accounts	
Checking HT 2732	108,460.07
Investment	
CD	407,100.42
Sweep HT 5401	77,351.08
<b>Total Investment</b>	<b>484,451.50</b>
<b>Total Bank Accounts</b>	<b>\$592,911.57</b>
Accounts Receivable	
Contract/grants	
Invoiced/Billable	50,482.71
<b>Total Contract/grants</b>	<b>50,482.71</b>
<b>Total Accounts Receivable</b>	<b>\$50,482.71</b>
Other Current Assets	
Prepaid Expense	8.00
Office Rental Prepaid Expense	8,244.10
<b>Total Prepaid Expense</b>	<b>8,252.10</b>
<b>Total Other Current Assets</b>	<b>\$8,252.10</b>
<b>Total Current Assets</b>	<b>\$651,646.38</b>
Fixed Assets	
604(b) Equipment	568.95
Accum. Deprec. 604(b)	-568.95
Accum. Deprec. OPA	-21,703.53
Accum. Deprec. STC	-2,989.68
Accum. Deprec. UMRBA	-31,613.35
Accum. Deprec. WQ	-1,290.00
OPA Equipment	21,705.26
STC Equipment	4,332.67
UMRBA Equipment	34,524.70
WQ Equipment	1,290.47
<b>Total Fixed Assets</b>	<b>\$4,256.54</b>
<b>TOTAL ASSETS</b>	<b>\$655,902.92</b>

# Upper Mississippi River Basin Association

## Balance Sheet

All Dates

	TOTAL
<b>LIABILITIES AND EQUITY</b>	
Liabilities	
Current Liabilities	
Credit Cards	
Visa Chase 5294	7,023.61
<b>Total Credit Cards</b>	<b>\$7,023.61</b>
Other Current Liabilities	
Deferred MO DoC (WLM) Revenue	4,206.05
Office Expense Liabilities	
Travel Expense	1,619.60
<b>Total Office Expense Liabilities</b>	<b>1,619.60</b>
Payroll Liabilities	-695.34
Accrued Vacation	45,786.20
Accrued Vacation FICA	3,502.65
Federal Withholding	189.00
Medicare	
Medicare Company	39.17
Medicare Employee	39.17
<b>Total Medicare</b>	<b>78.34</b>
Minnesota Withholding	-1,113.17
MN Income Tax	1,206.17
MN Unemployment Taxes	-80.92
Social Security	
SocSec Company	167.50
SocSec Employee	167.50
<b>Total Social Security</b>	<b>335.00</b>
SUTA (Minnesota UC)	327.80
Workforce Enhancement Fee	337.26
<b>Total Payroll Liabilities</b>	<b>49,872.99</b>
<b>Total Other Current Liabilities</b>	<b>\$55,698.64</b>
<b>Total Current Liabilities</b>	<b>\$62,722.25</b>
<b>Total Liabilities</b>	<b>\$62,722.25</b>
Equity	
Retained Earnings	468,733.18
Net Revenue	124,447.49
<b>Total Equity</b>	<b>\$593,180.67</b>
<b>TOTAL LIABILITIES AND EQUITY</b>	<b>\$655,902.92</b>

# ATTACHMENT C

## UMRBA Hazardous Spills Coordination Group 2021-2027 Strategic Plan

*(C-1 to C-14)*



A Strategic Plan for the  
Upper Mississippi River  
Hazardous Spills Coordination Group  
2021 – 2027

*Integrated Planning, Coordination, Preparedness, and Spill Response*



# **UMR Hazardous Spills Coordination Group 2021 – 2027 Strategic Plan Preamble**

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## **Upper Mississippi River Basin Association (UMRBA)**

The Upper Mississippi River Basin Association (UMRBA) is the Governor-established forum for interstate water resource planning and management on the Upper Mississippi River, representing its member states of Illinois, Iowa, Minnesota, Missouri, and Wisconsin. Through UMRBA, the states work together and diligently with federal partners and stakeholders to advance multi-use management of the river, facilitating and fostering cooperative planning and coordinated management of the Upper Mississippi River (UMR) basin's water and related land resources. In acknowledging the complex nature of the river system and array of human uses, UMRBA has always held that river management requires thoughtful and inclusive dialogue among the diverse suite of stakeholder representatives throughout the region.

Since 1989, the UMRBA has provided staff support for the UMR Hazardous Spills Coordination Group (Spills Group), which includes representatives of state and federal agencies who play a role in contingency planning and spill response on the river. The UMR Spills Group provides a forum for interagency coordination, serves as a voice for the region's spill responders on various issues, and helps in the preparation and execution of training activities.

The UMR Spills Group maintains the Upper Mississippi River Spill Response Plan and Resource Manual ([UMR Spill Plan](#)), which has been adopted by its state and federal agency members. The UMR Spill Plan is designed to coordinate state and federal agency response to spills on the interstate UMR. It establishes several UMR-specific protocols and policies, including notifications. The plan complements broader regional and national contingency plans by addressing issues and concerns related specifically to spill response on the Upper Mississippi River. The plan includes a resource manual that contains information about potential spill sources, vulnerable resources, and response assets in the river corridor.

UMRBA also engages in an extensive contingency planning and mapping effort funded largely by the USEPA Region 5. Products include geographic information system-based sensitivity atlases for the Region 5 states (Illinois, Minnesota, and Wisconsin) and contingency plans for several metropolitan areas and National Wildlife Refuges in the region. Spill Response Plans developed for the UMR have been created for many of the pools; a pool is a part of the river from one lock and dam to the next. UMR Spills Group members have been important contributors to the development of these plans.

## **2021 – 2027 Strategic Plan Purpose**

This strategic plan states the cooperative priorities of the UMR Spills Group for the period 2021-2027. The plan contains elements in a range from general themes to specific work tasks. These elements outline the Spills Group's priorities and are intended to guide members' collaborative work in preparation, planning, and response to spills impacting the Upper Mississippi River. It is intended that this strategic plan will be revisited periodically to adjust priorities as member organizations change their internal focus, staff capacity, or other factors that affect Spills Group work.

## **Geographic Scope**

The UMR Spills Group focuses primarily on the Upper Mississippi River from the confluence of the Ohio River upstream to the Minneapolis-St. Paul metropolitan area. Notifications are also made for spill events on tributaries if the responding agency determines that the release may affect the main stem of the river. Federal

jurisdictions within this geographic area include the U.S. Coast Guard 8<sup>th</sup> District, U.S. Environmental Protection Agency (USEPA) Regions 5 and 7, U.S. Fish & Wildlife Service (USFWS) Region 3, and U.S. Army Corps of Engineers Mississippi Valley Division. Tribal jurisdictions within the area include the Shakopee Mdewakanton Sioux Community and Prairie Island Indian Community. State jurisdictions include the Illinois Environmental Protection Agency, Iowa Department of Natural Resources, Minnesota Pollution Control Agency, Missouri Department of Natural Resources, and the Wisconsin Department of Natural Resources. Additionally, the area comprises sixty counties from the head of navigation in Minnesota to the confluence with the Ohio River.

### **UMR Spill Response Plan and Resource Manual (UMR Spill Plan):**

The UMR Spill Plan is a document designed to coordinate state and federal agency response to spills on the interstate UMR. It establishes several UMR-specific protocols and policies, including a notification protocol. It also includes appendices listing response resources, sensitive human and natural resources, and potential spill sources along the river corridor.

### **UMR Pool Spill Response Plans**

Due to long-standing concerns about spills of oil and hazardous substances onto National Wildlife Refuge System (NWRS) lands along the UMR, the USEPA partnered with USFWS to help enhance spill contingency planning and preparedness in response to spills. The goal of this effort is to create a series of locally-applicable response and planning tools to enhance decision making and improve the quality of spill response in these relatively remote areas. The plans are designed to protect resources, improve communication, and enhance knowledge for river pools. A pool is a reach of the UMR between locks and dams, with the downstream dam giving the pool its name, e.g., Pool 13 runs between Lock and Dam 12 and Lock and Dam 13.

### **Regional Response Teams (RRT)**

The Regional Response Team is a key component of the U.S. federal government's commitment to ensure effective preparedness and response to oil and chemical incidents affecting human health and safety, as well as the environment. As described in the National Oil and Hazardous Substances Pollution Contingency Plan (NCP, 40 CFR part 300), the RRTs are responsible for planning and coordination of regional preparedness, as well as planning and coordination of response actions in support of the Federal On-Scene Coordinator. Among the UMR states, RRT5 covers Illinois, Minnesota, and Wisconsin and RRT7 covers Iowa and Missouri.

## **UMR Hazardous Spills Coordination Group 2021 – 2027 Strategic Plan Mission Statement**

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To enhance capabilities of all stakeholders tasked with managing incidents impacting the Upper Mississippi River and immediate tributaries through support of integrated planning, coordination, preparedness, and spill response

# UMR Hazardous Spills Coordination Group

## 2021 – 2027 Strategic Plan

### Goal 1

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#### Goal Statement

Develop guidance for stakeholders tasked with managing incidents impacting the UMR to help ensure safe and effective response operations

#### Strategic Initiative

Support members by maintaining current and relevant planning and reference materials

#### Objectives

##### 1.A: Update the UMR Spill Response Plan & Resource Manual

Priority: High

Timeline: Start: November 2021  
Completion: April 2022

Responsibility: UMRBA

##### Critical Activities:

- Establish a schedule for plan updates
- Establish a schedule for resource manual updates
- Conduct plan/manual review, report findings, and gather input from Spills Group
  - Review response, clean-up, and inter-jurisdictional policies
  - Make determination on inclusion of Missouri River and major tributaries
- Identify sources and additional mechanisms (i.e., web map application [WMA], field data collection, on-line survey) to gather data
- Coordinate with groups engaged in spill preparedness (i.e., subareas, community awareness and emergency response [CAER] groups, regional response teams [RRT])
- Provide progress updates to UMR Spills Group

##### Performance Indicators:

- UMRBA assigns update tasks to members
- All members confirm Plan policies are consistent with internal policies or suggest changes to group for consideration
- All members provide UMRBA with updated Resource Manual content for their agency/AOR according to schedule
- Final plan routed to and signed by member agencies

## 1.B: Maintain existing UMR Pool Spill Response Plans

Priority: Medium

Timeline: Start: December 2021  
Completion: March 2022 (pending fair weather and river conditions)

Responsibility: UMRBA

### Critical Activities:

- Identify priority pools based on age and hydraulic changes
- Update Incident Action Plan (IAP) contact list
- Identify existing sites for field recon by state or federal partners during normal work
- Identify possible new sites to add or obsolete sites to delete based on changed hydrology
- Hold planning meeting to develop draft response strategy sites
- Coordinate field work to verify all valid sites in pool
- Submit updated plan to Regional Response Teams for USEPA Regions 5 and 7 (RRT5 and RRT7)

### Performance Indicators:

- Convene resource trustees and responders for target pool identification
- Convene resource trustees, responders, and oil spill removal organizations (OSROs) for planning meeting
- Schedule and coordinate field day for site verification
- Compile draft response strategies for Spills Group review
- Submit updated plan to RRT5 and RRT7

## 1.C: Identify and prioritize development of new UMR Pool Spill Response Plans

Priority: Low

Timeline: Start: December 2022  
Completion: November 2023  
[Note: Pools 24-26 will start November 2021 pending easing of pandemic restrictions]

Responsibility: UMRBA

### Critical Activities:

- Identify priority pools
- Hold planning meeting to develop IAP and draft response strategy sites
- Coordinate field work to verify draft sites
- Stakeholder review of IAP and response strategies

- Submit new plan to RRT5 and RRT7

Performance Indicators:

- Convene resource trustees and responders for target pool identification
- Convene resource trustees, responders, and OSROs for planning meeting
- Schedule and coordinate field day for site verification
- Compile draft response strategies and IAP for Spills Group review
- Submit final plan to RRT5 and RRT7

# UMR Hazardous Spills Coordination Group

## 2021 – 2027 Strategic Plan

### Goal 2

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#### Goal Statement

Support coordination and communication activities among stakeholders tasked with managing incidents impacting the UMR

#### Strategic Initiatives

Support members in meeting training and exercise requirements

Develop a standardized incident after-action report

Review a spill notification system and identify enhancements; include private industry and contractors

Review MOUs/MOAs in a place among states, including Emergency Management Assistance Compacts (EMAC) and spill response resource packages available from states

Identify opportunities to expand collaboration

#### Objectives

##### 2.A: Formalize and improve notification during real incidents and notification drills

Priority: High

Timeline: Start Date: November 2021  
Completion Date: April 2022

Responsibility: All

##### Critical Activities:

- Develop complete notification list for Spills Group
- Set timeline for members to update internal notification lists
- Develop schedule for regular contact information updates to push to members
- UMRBA cooperates with USCG and USEPA to conduct periodic notification drills

##### Performance Indicators:

- Members provide key contacts to UMRBA
- UMRBA compiles contact updates according to schedule for distribution to Spills Group
- Members push complete updated contact list to internal dispatch
- Group determines frequency and types of notification drills to hold

##### 2.B: Review existing agreements and propose new mutual aid agreements

Priority: High

Timeline: Start Date: December 2021  
Completion Date: April 2022

Responsibility: States

Critical Activities:

- Summarize existing MOAs and MOUs among members
- Determine other agreements that could support response work among members
- Partner agencies craft agreement language
- Partner agencies route draft agreement for internal approval

Performance Indicators:

- Summary of existing agreements is shared within group
- Group completes list of any new agreements that would support mutual work
- Appropriate agencies sign off or approve new agreements
- Final new agreements are added to UMR Spill Plan

## **2.C: Organize exercises and training for members and associated groups, including industry.**

Priority: Low for first year

Timeline: Start Date: April 2022  
Completion Date: December 2022

Responsibility: All

Critical Activities:

- Group advertises exercises or training for members or other affiliated groups
- Determine frequency of training or exercise events group will support
- UMRBA supports development of events held by members

Performance Indicators:

- UMRBA posts advertisement for an event on its website and distributes to members
- UMRBA and members provide in-kind support for development of events
- Group completes an exercise or training event on schedule

## **2.D: Develop a standardized incident after-action report (AAR)**

Priority: High

Timeline: Start Date: November 2021  
Completion Date: April 2022

Responsibility: UMRBA, states



Critical Activities:

- Identify key components of an AAR that would benefit members by considering common needs and incident trends
- Develop standard form that members can use to share incident information and lessons learned, including lost recreational use and resource impacts.

Performance Indicators:

- Convene to discuss information priorities and situational needs
- UMRBA develops draft AAR form based on a Homeland Security Exercise and Evaluation Program HSEEP or state templates already in use
- Group approves AAR template for optional use within Spills Group

# UMR Hazardous Spills Coordination Group

## 2021 – 2027 Strategic Plan

### Goal 3

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#### Goal Statement

Garner participation from additional stakeholder groups that would support response efforts during incidents impacting the UMR

#### Strategic Initiative

Support outside groups in meeting exercise and training requirements  
Expand membership of the Spills Group

#### Objectives

##### 3.A: Support exercises developed and hosted by industry partners. *(Passive role for Spills Group)*

Priority: Low

Timeline: Start Date: November 2021  
Completion Date: open

Responsibility: UMRBA, USEPA, USCG

##### Critical Activities:

- Identify industry partners along UMR who could benefit from Spills Group support to meet regulatory exercise requirements
- Coordinate with industry to support exercise development or outreach
- Coordinate state or federal partners with industry to provide exercise oversight or observation

##### Performance Indicators:

- Select industry partner for exercise support
- Determine supporting Spills Group members based on jurisdictions
- UMRBA support industry in scenario and document development

##### 3.B: Reach out to other agencies or entities with an interest in UMR response.

Priority: Low

Timeline: Start Date: November 2021  
Completion Date: annually

Responsibility: UMRBA

##### Critical Activities:

- Identify federal, tribal, state, or local agencies with interest in river response for releases of non-Oil Pollution Act of 1990 (OPA)-related materials
- Identify industry sectors or public utilities with a vested interest in the UMR
- Reach out to agencies to invite discussions about how they could benefit from participating with the Spills Group
- Coordinate with members to identify potential partnerships or planning work to address broader scope of spills

Performance Indicators:

- Convene discussion to identify related response activities and agencies or organizations
- Include new partners in relevant Spills Group activities

**3.C: Consider expanding geographic scope of group to include tributaries or counties further from the UMR.**

Priority: None

*[Note: On its August 17, 2021 call, the UMR Spills Group decided to postpone a recommendation to expand to situational notification based on best judgment. Regional planning work on worst-case discharges and time of travel analyses may reprioritize this objective in the future.]*

Timeline: Start Date:  
Completion Date:

Responsibility: UMRBA, others

Critical Activities:

- Reach out to county emergency managers along tributaries that impact the UMR to gauge interest in taking part in the group
- Identify potential industry participants in the expanded geography
- Consider implications of expansion to protocols and activities

Performance Indicators:

- Convene discussion to identify agencies, partners, and impacts of a broader geographic scope

# UMR Hazardous Spills Coordination Group

## 2021 – 2027 Strategic Plan

### Goal 4

---

#### Goal Statement

Ensure sufficient resources to maintain services and attain the goals of this plan

#### Strategic Initiative

Seek alternative funding sources for related work that supports response activities on the UMR

#### Objectives

4.A: Identify potential new funding sources for achieving goals within the group and with other entities.

Priority: Low

Timeline: Start Date: November 2021  
Completion Date: annually

Responsibility: All

Critical Activities:

- Identify smaller-scope programs or projects (e.g., river stages at which a boat access is useable) with response-supporting targets that could be replicated throughout the UMR.
- Apply for funding to carry out projects on wider scale.
- Convene members to coordinate project work and determine schedules.

Performance Indicators:

- Provide summary of related or parallel projects the group could consider pursuing.
- Secure grant or contract funding to perform project tasks.
- Update plans, data repositories, or other relevant entities with resulting information.

# UMR Hazardous Spills Coordination Group

## 2021 – 2027 Strategic Plan

### Goal 5

---

#### Goal Statement

Identify technology and resources to advance group interests in the future

#### Strategic Initiative

Keep technologies and policies used by the Spills Group current

#### Objectives

5.A: Support the development of a UMR-centric online data viewer.

Priority: High

Timeline: Start Date: November 2021  
Completion Date: open-ended (viewer is currently in development by USEPA Region 7; Spills Group support will be clarified as viewer becomes available)

Responsibility: UMRBA

#### Critical Activities:

- Collaborate with agencies and industry involved in planning the development of an online data and mapping resource.
- Identify components of the data viewer that can be updated or maintained by members.
- Develop a schedule of data updates to ensure currency of data in the viewer.
- Promote use of the viewer among members

#### Performance Indicators:

- Participate in conference calls or meetings to assist in data viewer development.
- Assign update tasks to appropriate agencies or partners according to the agreed-upon schedule.

5.B: Ensure that the Spills Group is consistent with state and federal members' goals and targets for adapting to climate change.

Priority: Medium

Timeline: Start Date: April 2022  
Completion Date: December 2022 (UMRBA to present topic at spring meeting and determine action items then)

Responsibility: UMRBA, states, federal partners

#### Critical Activities:

- Identify impacts of changing climate on response on the Mississippi River

- Present science of changing climate and weather patterns and their effects on the UMR
- Clarify member agency positions on adapting to climate change

Performance Indicators:

- Convene to discuss impacts observed through science or field experience

## **Other Ongoing Activities**

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The Spills Group identified the following topics to continue to implement, but not address in this Strategic Plan:

- Connecting to sub-areas, RRTs, and CAER groups
- Elevate awareness of importance of UMR to enhance state response programs' capacity
- Evaluate interest and practicality of expanding the group's geographic scope

# ATTACHMENT D

## **Canadian Pacific and Kansas City Railroad**

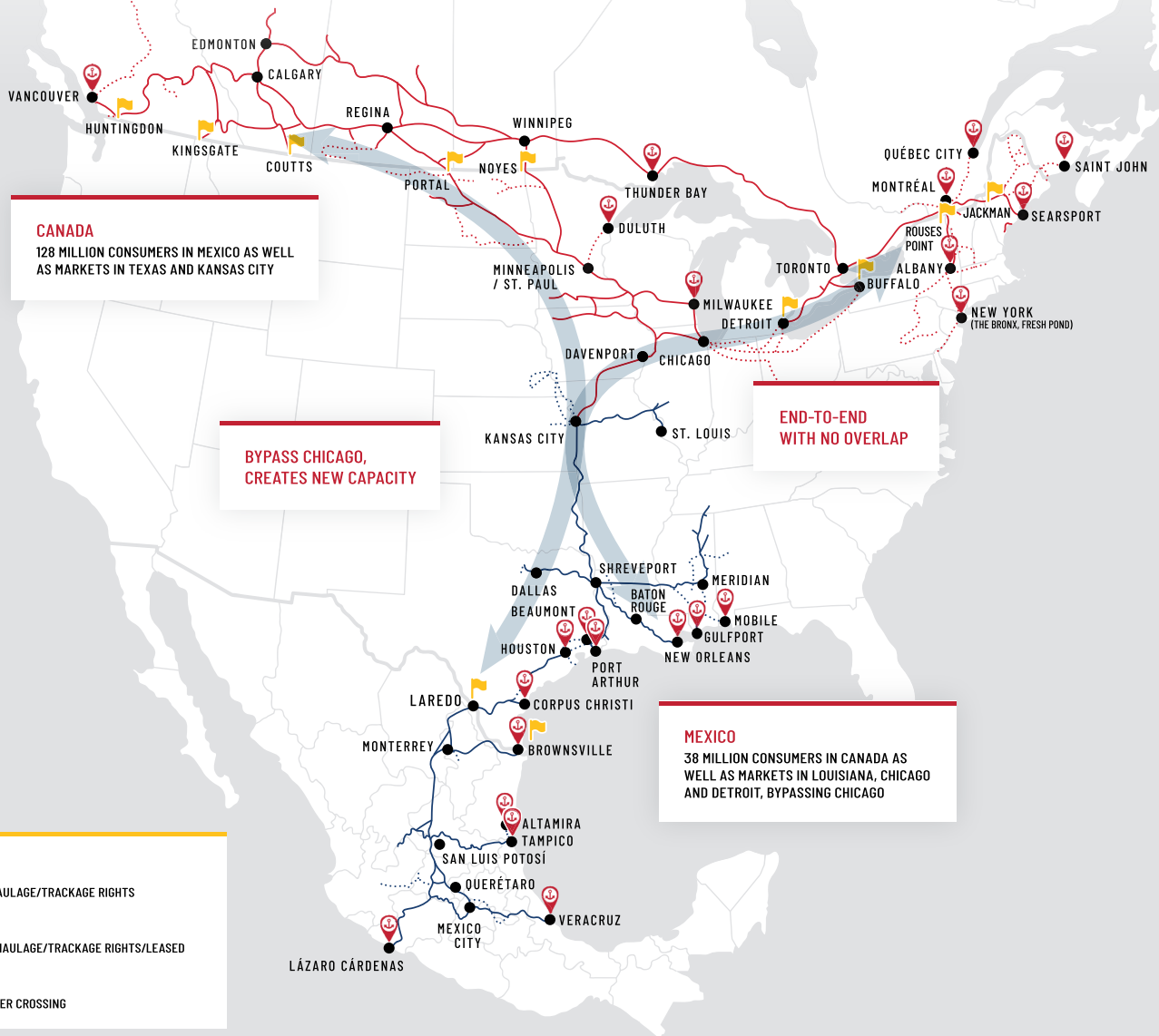
- Better Together Fact Sheet (*D-1 to D-2*)
- Merger Information Webpage: <https://futureforfreight.com/>



# BETTER TOGETHER



**TOGETHER, CANADIAN PACIFIC AND KANSAS CITY SOUTHERN WOULD HAVE THE ABILITY TO DELIVER UNSURPASSED LEVELS OF SERVICE, SAFETY AND EFFICIENCY TO SHIPPERS AND CONTINUED ECONOMIC GROWTH IN COMMUNITIES ACROSS THE U.S., CANADA AND MEXICO. THE CP-KCS COMBINATION WOULD DELIVER SIGNIFICANT NEAR- AND LONG-TERM VALUE AND ALREADY HAS THE SUPPORT OF MORE THAN 1,000 SHIPPERS AND OTHER STAKEHOLDERS.**







## THE FIRST U.S.-CANADA-MEXICO RAIL NETWORK

Our combination would bring together the two smallest Class 1s to create a new network that reaches every North American coast and connects the U.S., Canada and Mexico. Importantly, the CP and KCS combination would be an end-to-end transaction, meaning that the two rail networks are complementary with no competitive overlap.



## UNPARALLELED SERVICE & BENEFITS FOR SHIPPERS

A true USMCA railroad, our combined network would offer seamless service throughout the U.S., Canada and Mexico, spurring greater competition and offering new transportation options and services for shippers.



## BETTER ENVIRONMENTALLY

We are both committed to improving sustainability and the transition to a low-carbon economy in North America. Railways represent the most energy-efficient method of moving freight over land, helping to remove aging trucks from the road. A single train lessens the burden on aging bridges and highways that cost taxpayers' money to maintain and repair.



## LEADING COMMITMENT TO SAFETY & INNOVATION

Our proposed combination would join two strong performing Class 1s, providing KCS with access to CP's operational expertise, expanding CP's industry leading safety technologies to KCS and installing CP's leading safety culture at KCS.

**CP is the safest of the Class 1 railroads, with the lowest train accident frequency for 15 consecutive years<sup>1</sup>**



## COMMITMENT TO PERFORMANCE & GROWTH

A CP-KCS combination would bring together two precision scheduled railroads (PSR) adding significant efficiencies and minimizing the risk of disruptions. No shipper – large or small – will be left behind as PSR will provide more reliable service for large and small shippers alike. The combination would also provide improved transit times to shippers of all sizes.



## STRENGTHENING PARTNERSHIP WITH AMTRAK

CP has a long tradition of working hand-in-hand with Amtrak to deliver the best on-time performance in the industry. The combination of KCS and CP would further strengthen that partnership, benefitting travelers and opening the door for potential Amtrak expansion in the future.



## SUPPORT FOR CONTINUED ECONOMIC GROWTH

Our combination would add rail capacity that can drive current and future economic growth, providing benefits in communities across North America, including:

- More efficient use of existing infrastructure.
- Expanded and alternative network routes offering more options for shippers of all sizes.



## THOROUGH REGULATORY REVIEW

On September 30, 2021, the U.S. Surface Transportation Board confirmed that it has approved the use of a voting trust for the planned CP-KCS combination.

During the trust period, KCS's management and Board of Directors would continue to operate the company while in trust. KCS would continue to be a strong and growing railroad, benefiting from ongoing support of its growth plans without interruption during its time in trust.

<sup>1</sup> Based on Federal Railroad Administration data

# ATTACHMENT E

## Drought Resilience

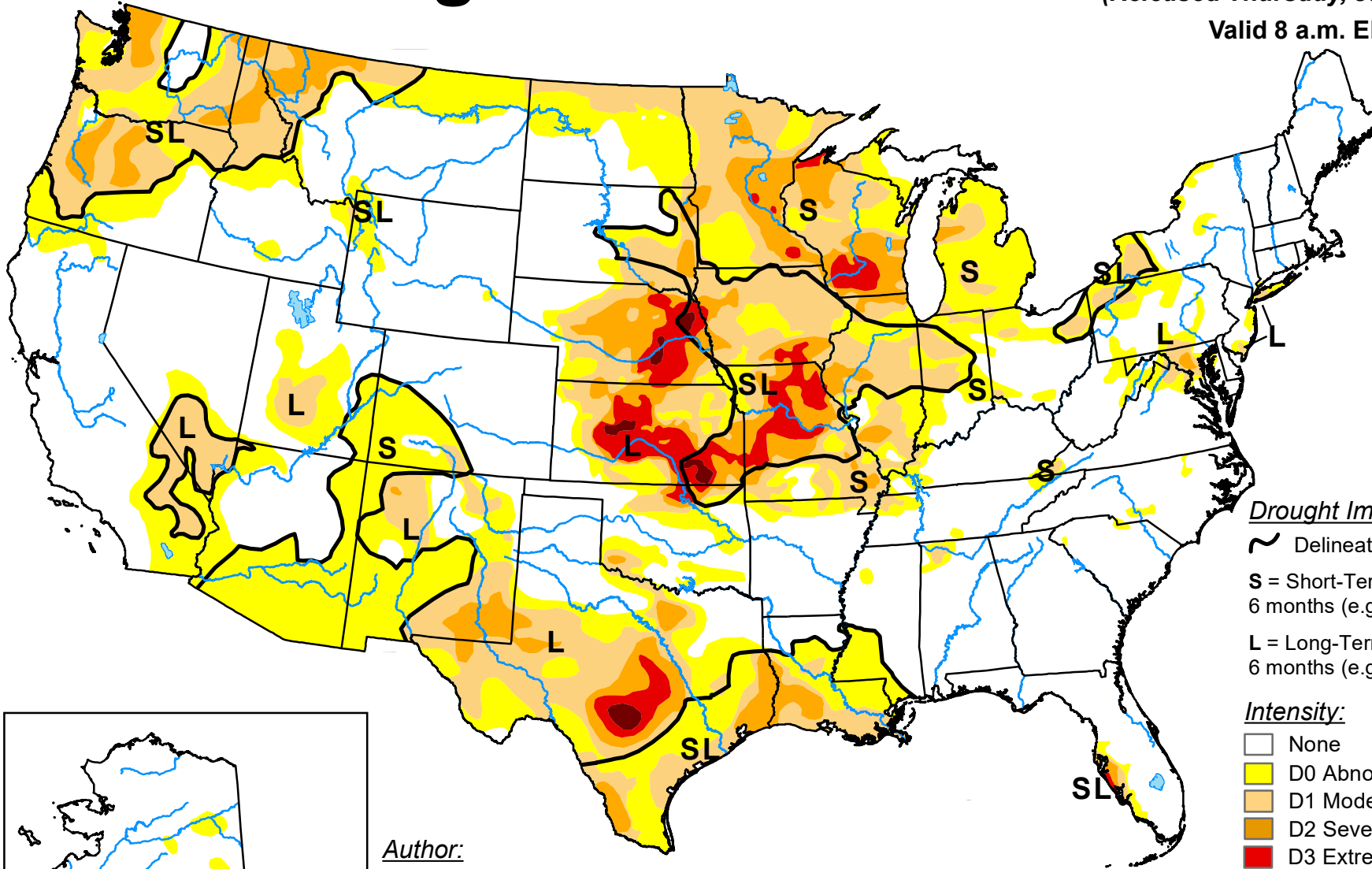
- U.S. Drought Monitor
  - National Report (July/2023) (E-1)
  - Midwest Report (July/2023) (E-2)
  
- Navigation Channel Conditions
  - St. Paul District (X-2023) (E-3)
  - Rock Island District (X-2023) (E-4 to E-5))
  - St. Louis District (X-2023) (E-6)
  
- Missouri River Management
  - USACE Resources
    - Missouri River Basin Facts (E-7 to E-11)
    - Webpage: <https://www.nwd.usace.army.mil/MRWM/>
  - UMRBA Historical Statements
    - Resolutions Regarding Devil's Lake Out-Of-Basin Division Proposal  
Documents available here: <https://umrba.org/document/missouri-river-water-diversion-resolution>
    - Missouri River Authorized Purposes Study Comments  
Documents available here: <https://umrba.org/document/2011-missouri-river-study>
  - Missouri Drought Mitigation and Response Plan  
Website: <https://dnr.mo.gov/document-search/missouri-drought-mitigation-response-plan-2023>

# U.S. Drought Monitor

July 25, 2023

(Released Thursday, Jul. 27, 2023)

Valid 8 a.m. EDT



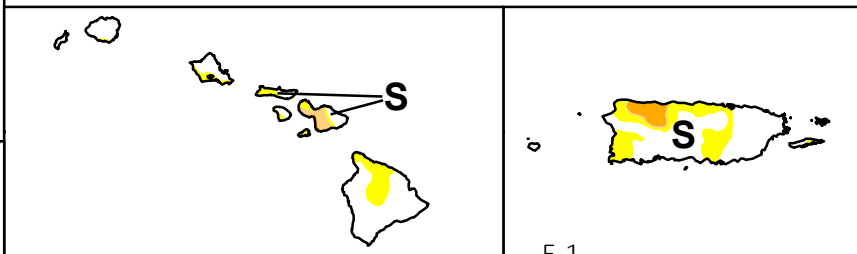
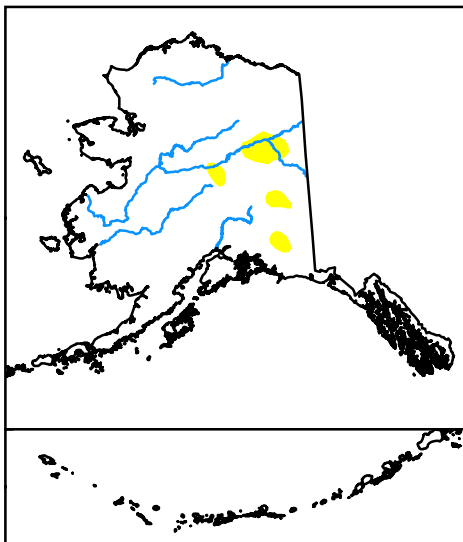
### Drought Impact Types:

- ~ Delineates dominant impacts
- S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

### Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

**Author:**  
Brian Fuchs  
National Drought Mitigation Center



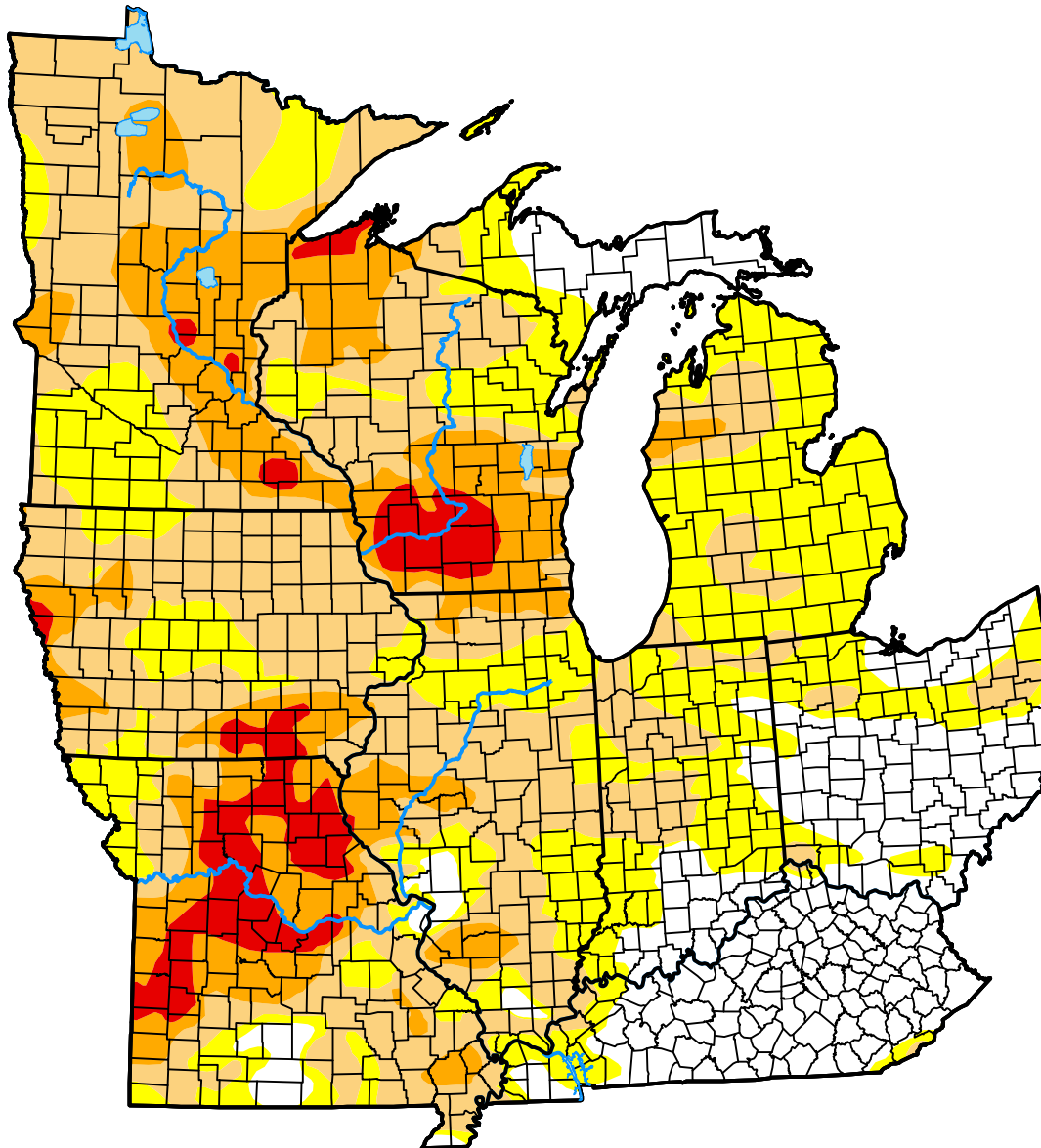
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>









[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

# U.S. Drought Monitor Midwest

July 25, 2023  
(Released Thursday, Jul. 27, 2023)  
Valid 8 a.m. EDT



### Intensity:

-  None
-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>*

### Author:

Brian Fuchs  
National Drought Mitigation Center



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

**Navigation Channel Condition Status Report - St. Paul District**  
7/26/2023

**Lock & Dam Status:**

**LDSA:** End monolith of downstream guidewall is not stable, it is recommended that Northbound tows do not use as a pivot point.

**LD9:** Be advised to stay clear of the bullnose section of the lower guide wall as it contains unprotected concrete and potential for exposed steel. All tows transiting the lock should avoid landing or rubbing on the exposed section which is primarily on the river side and tip of the bullnose.

**Dredge Status**

**Dredge Goetz:** Completed dredging at Mule Bend on 23 July. Currently dredging at Fisher Island in Pool 5 going downstream to Lower Zumbo in Pool 5 next.

**Government Mechanical Plant 1:** Began dredging in Pool 5A at Betsy slough on 18 July. Expected to be there until mid-August.

**Contract Mechanical Plant 1:** Completed dredging at Lower Approach to LD 6 in Pool 7 on 24 July. Currently dredging at Winters Landing in Pool 7 expected to be there until early August. 21 July.

**Contract Mechanical Plant 2:** Completed dredging in Pool 2 at Boulanger Bend on 21 July. Currently dredging at Cargill Slip on the MN River and will be going just downstream to Petersons Bar next.

**IDIQ Unload Contractor - Plant 3:** Began dredging at Lansing Upper Light in Pool 9 on 15 July expected to be there until early August.

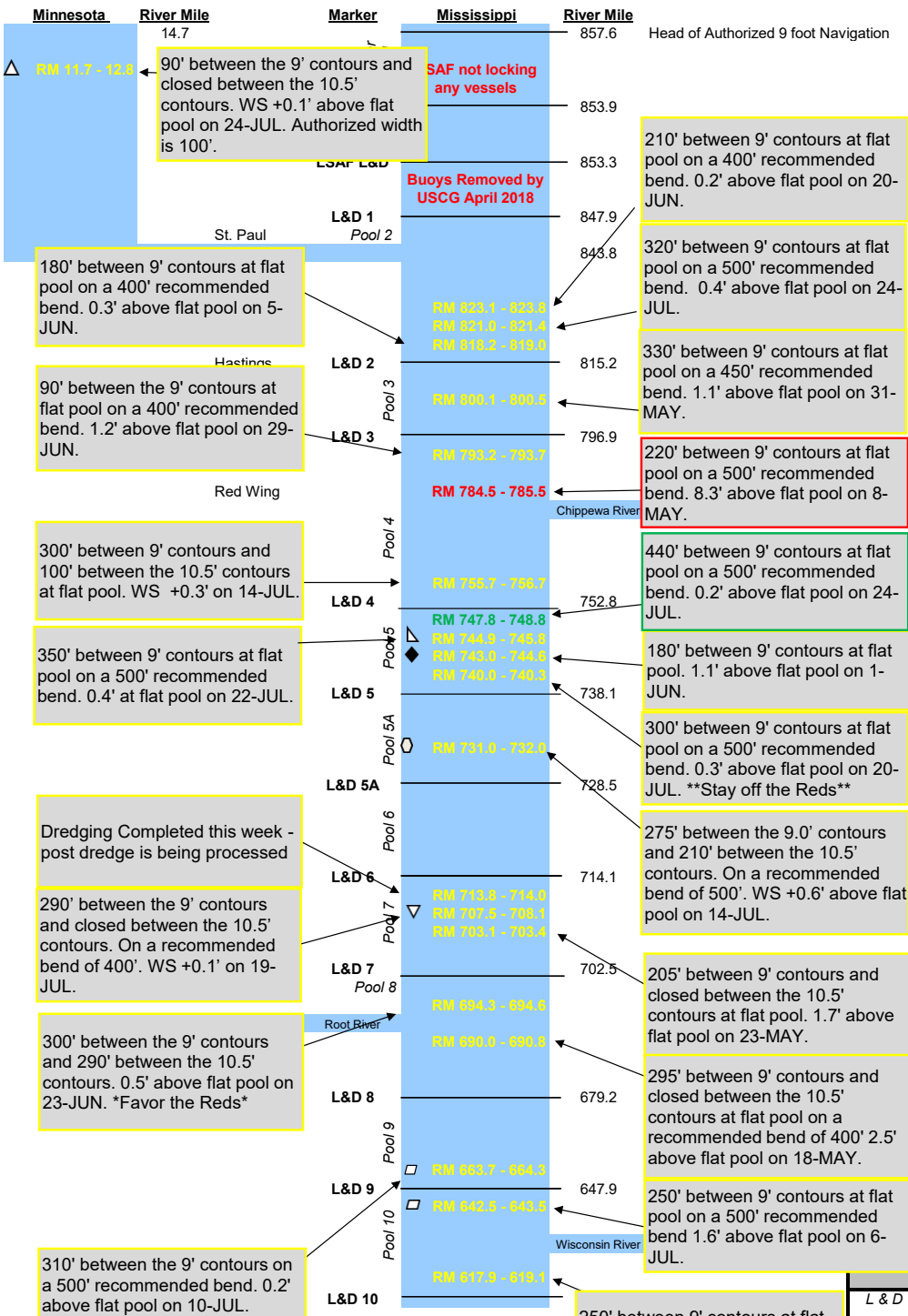
**McGregor HREP Contractor - Plant 4:** In support of McGregor HREP project in upper pool 10, dredging continues at Mississippi Gardens in with all material going to McGregor Lake.

**Channel Marker Status:**

USCG Buoy Tender Wyaconda made a complete trip through St. Paul District and left the district 3 July. Expected return to our district TBD.

**Water Control Status:**

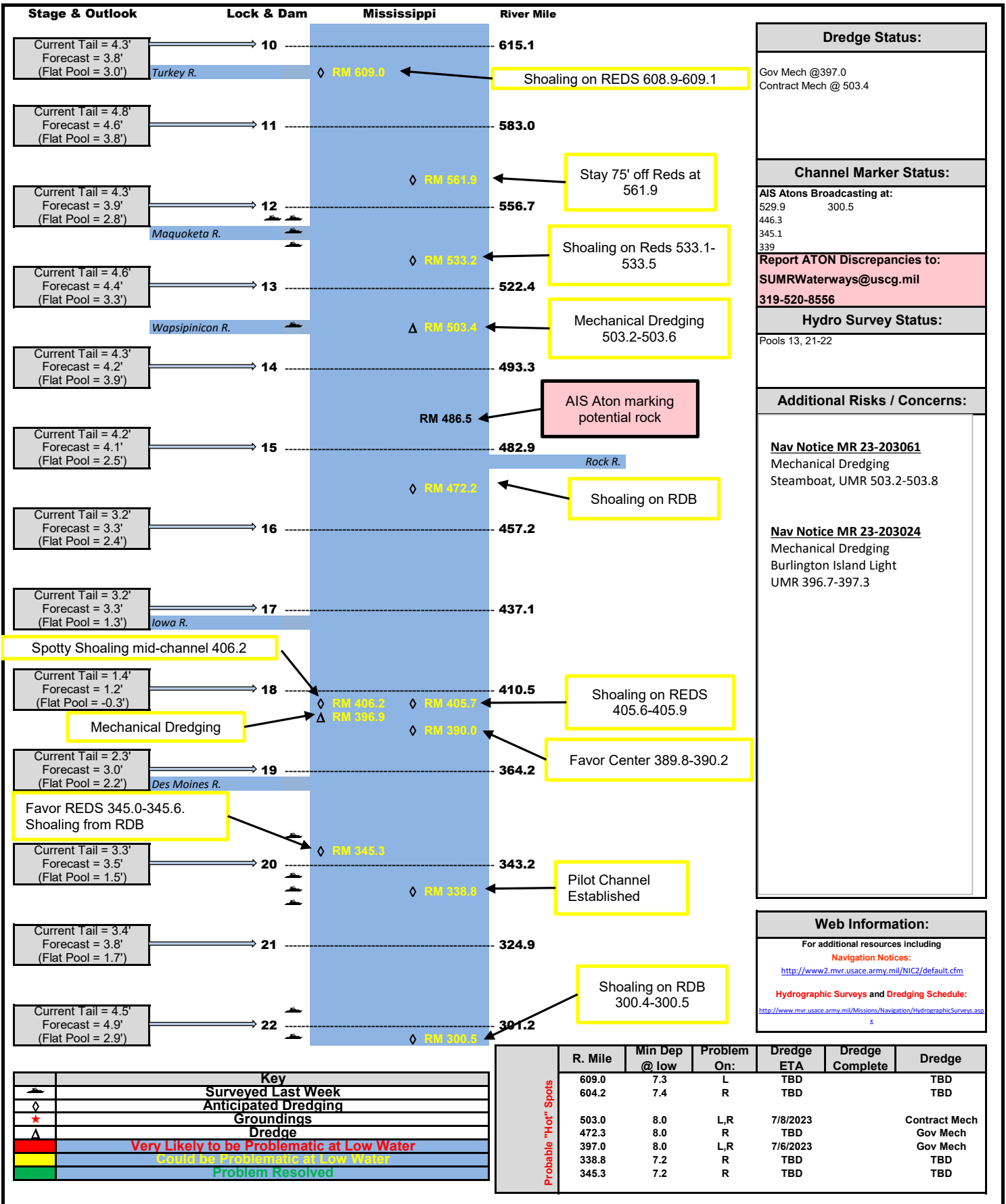
L & D	26-Jul	19-Jul	Gates Pulled	L & D Outdraft Warning
USAF			N/A	N/A
LSAF			50,000	20,000
LD 1			N/A	0.2' of flow over
LD 2	3,210	3,527	61,000	31,000
LD 3	7,470	6,200	36,000	21,000
LD 4	13,400	8,636	89,000	60,000
LD 5	16,300	11,127	116,000	70,000
LD 5A	16,700	11,268	57,000	32,000
LD 6	14,000	12,395	76,000	44,600
LD 7	13,500	13,651	82,000	44,000
LD 8	18,800	16,518	96,000	40,200
LD 9	15,200	15,032	64,000	55,000
LD 10	20,300	22,400	73,000	47,000



**Key:**

- ◆ Anticipated Dredging Locations; Within the next week
- ☆ Groundings; Within the past week
- △ Dredge Goetz
- Government Mechanical
- ▽ Mechanical Dredge Plant 1
- △ Mechanical Dredge Plant 2
- Mechanical Dredge Plant 3, 4 & 5
- Miscellaneous Dredging
- Use Extreme Caution when in this area
- Use Caution when navigating through area
- Conditions are good - Routine Dredging may occur

**Web Information:**  
For additional Dredge Schedule information, see the link below:  
<http://www.mvp.usace.army.mil/Missions/Navigation/Channel-Maintenance/Dredging-Schedule/>



**Dredge Status:**

Gov Mech @397.0  
Contract Mech @ 503.4

**Channel Marker Status:**

AIS Atons Broadcasting at:  
529.9 300.5  
446.3  
345.1  
339

**Report ATON Discrepancies to:**  
SUMRWaterways@uscg.mil  
319-520-8556

**Hydro Survey Status:**

Pools 13, 21-22

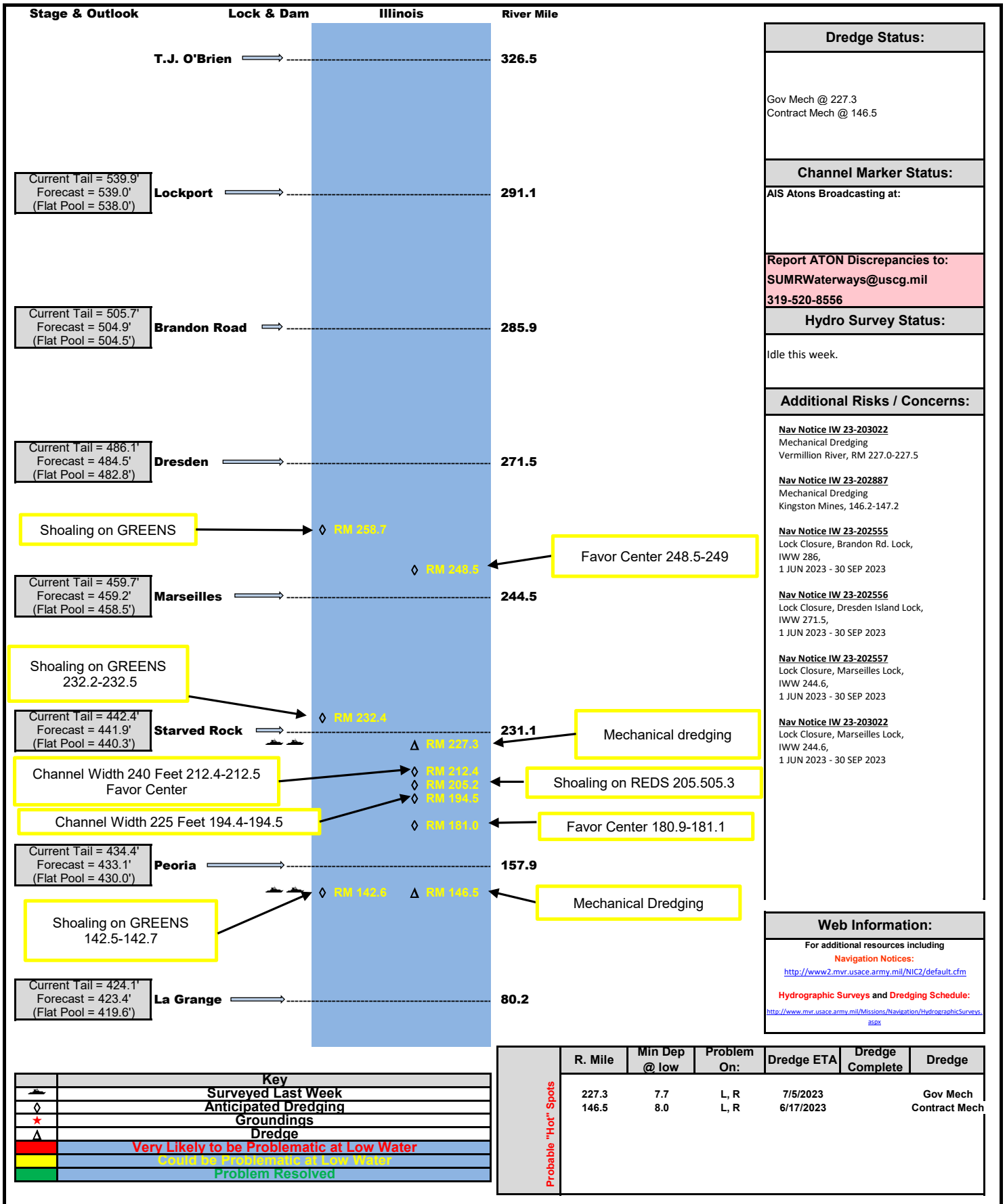
**Additional Risks / Concerns:**

**Nav Notice MR 23-203061**  
Mechanical Dredging  
Steamboat, UMR 503.2-503.8

**Nav Notice MR 23-203024**  
Mechanical Dredging  
Burlington Island Light  
UMR 396.7-397.3

**Web Information:**

For additional resources including  
**Navigation Notices:**  
<http://www2.mvr.usace.army.mil/NIC2/default.cfm>  
**Hydrographic Surveys and Dredging Schedule:**  
<http://www.mvr.usace.army.mil/Missions/Navigation/HydrographicSurveys.asp>



**Dredge Status:**

Gov Mech @ 227.3  
Contract Mech @ 146.5

**Channel Marker Status:**

AIS Atons Broadcasting at:

**Report ATON Discrepancies to:**  
SUMRWaterways@uscg.mil  
319-520-8556

**Hydro Survey Status:**

Idle this week.

**Additional Risks / Concerns:**

**Nav Notice IW 23-203022**  
Mechanical Dredging  
Vermillion River, RM 227.0-227.5

**Nav Notice IW 23-202887**  
Mechanical Dredging  
Kingston Mines, 146.2-147.2

**Nav Notice IW 23-202555**  
Lock Closure, Brandon Rd. Lock,  
IWW 286,  
1 JUN 2023 - 30 SEP 2023

**Nav Notice IW 23-202556**  
Lock Closure, Dresden Island Lock,  
IWW 271.5,  
1 JUN 2023 - 30 SEP 2023

**Nav Notice IW 23-202557**  
Lock Closure, Marseilles Lock,  
IWW 244.6,  
1 JUN 2023 - 30 SEP 2023

**Nav Notice IW 23-203022**  
Lock Closure, Marseilles Lock,  
IWW 244.6,  
1 JUN 2023 - 30 SEP 2023

**Web Information:**

For additional resources including  
**Navigation Notices:**  
<http://www2.mvr.usace.army.mil/NIC2/default.cfm>

**Hydrographic Surveys and Dredging Schedule:**  
<http://www.mvr.usace.army.mil/Missions/Navigation/HydrographicSurveys.aspx>

**Key**

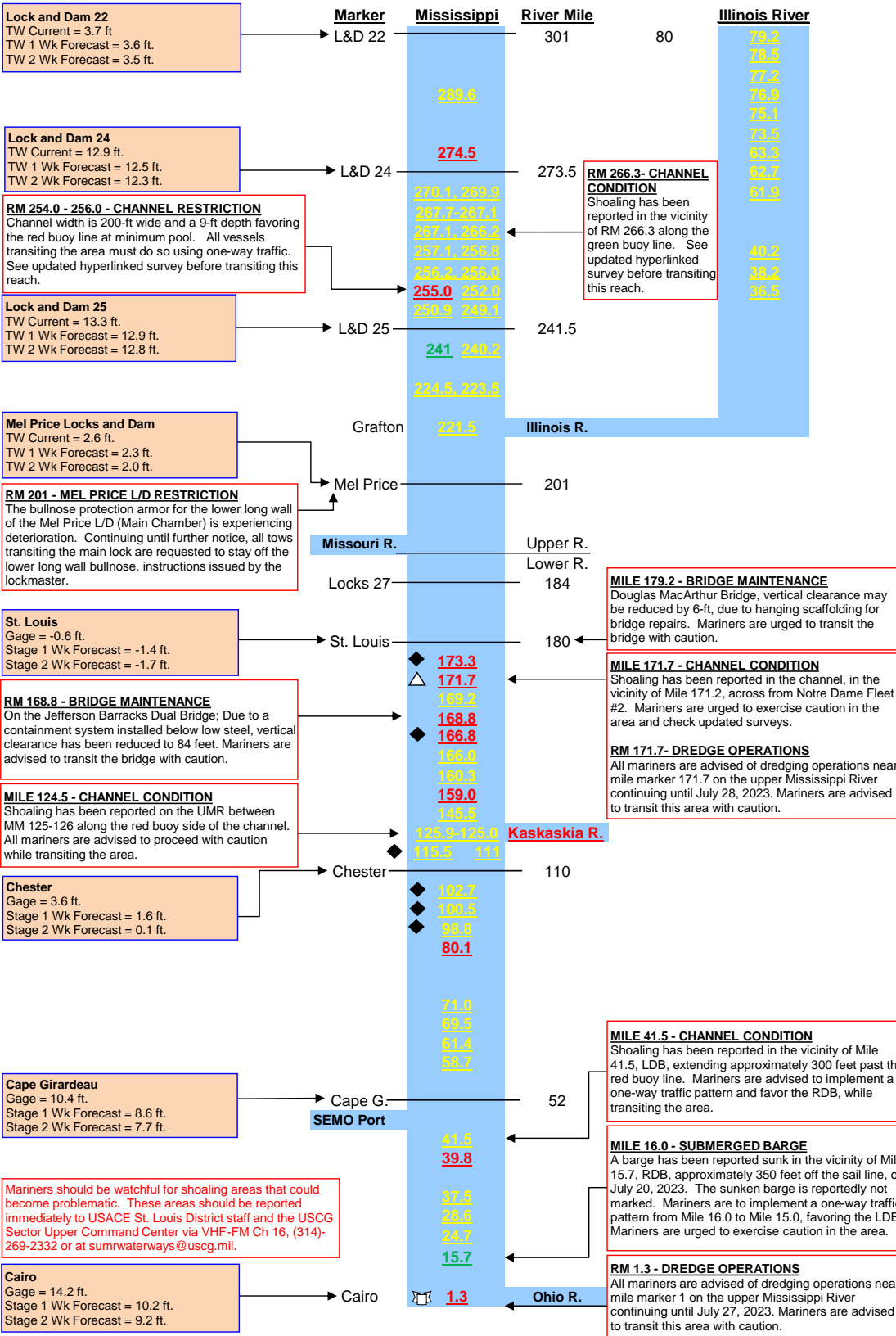
📏	Surveyed Last Week
◇	Anticipated Dredging
★	Groundings
△	Dredge
🔴	Very Likely to be Problematic at Low Water
🟡	Could be Problematic at Low Water
🟢	Problem Resolved

Probable "Hot" Spots	R. Mile	Min Dep @ low	Problem On:	Dredge ETA	Dredge Complete	Dredge
		227.3	7.7	L, R	7/5/2023	
	146.5	8.0	L, R	6/17/2023		Contract Mech



**US Army Corps of Engineers**  
St. Louis District

# St. Louis District Navigation Channel Condition Status Report - July 26, 2023



**Dredge Status:**

**Dredge Potter:** Dredging at RM 171.7. Moving to 173.3 on 7-29.

**Dredge Hurley:** Dredging at RM 1.3.

**Channel Marker Status:**

Be aware that there may be other buoys off station/missing than the ones mentioned in this report. Mariners should use caution.

For ATON or Buoy issues please contact SUMRWaterways@uscg.mil or 319-520-8556.

**Pathfinder:** To conduct a lower channel patrol starting Saturday.

**Additional Risks / Concerns**

**Controlling Depths**  
St. Louis-Herculeaneum (RM 185-152)  
Mile 171.7: St. Louis, (LWRP -3.2 @ STL)  
9-ft at St. Louis gage of -1.6

Herculeaneum-Grand Tower (RM 152- 80)  
Mile 80.1: Grand Tower, (LWRP 3.76 @ Grand Tower), 9-ft at Grand Tower gage of 3.96

Grand Tower-Cairo (RM 80 - 0)  
Mile 39.8: Commerce (LWRP 5.4 @ Cape Girardeau) : 9-ft at Cape Girardeau gage of 5.9

**Navigation Notices**

**Local Notice to Mariners**

**Weather**

Highs from the low 100s to lower 90s, lows from the upper 70s to the upper 60s. Chance rain Saturday.

Hannibal, MO

St. Louis, MO

Cape Girardeau, MO

Cairo, IL

**Web Information**

For additional River Training Structure information, see the links below:

**Current Construction**

**Recently Completed Construction**

For open Regulatory Public Notices, See the link below:

**Regulatory Public Notices**

For the most recent channel patrol and pre or post dredge surveys, see the links below:

**Channel Patrol Surveys**

**Dredge Surveys**

Electronic Navigation charts for the Upper Mississippi River are available online for download or to order at the below link:

**Electronic Charts**

**More Status Reports**

**Click for older status reports**

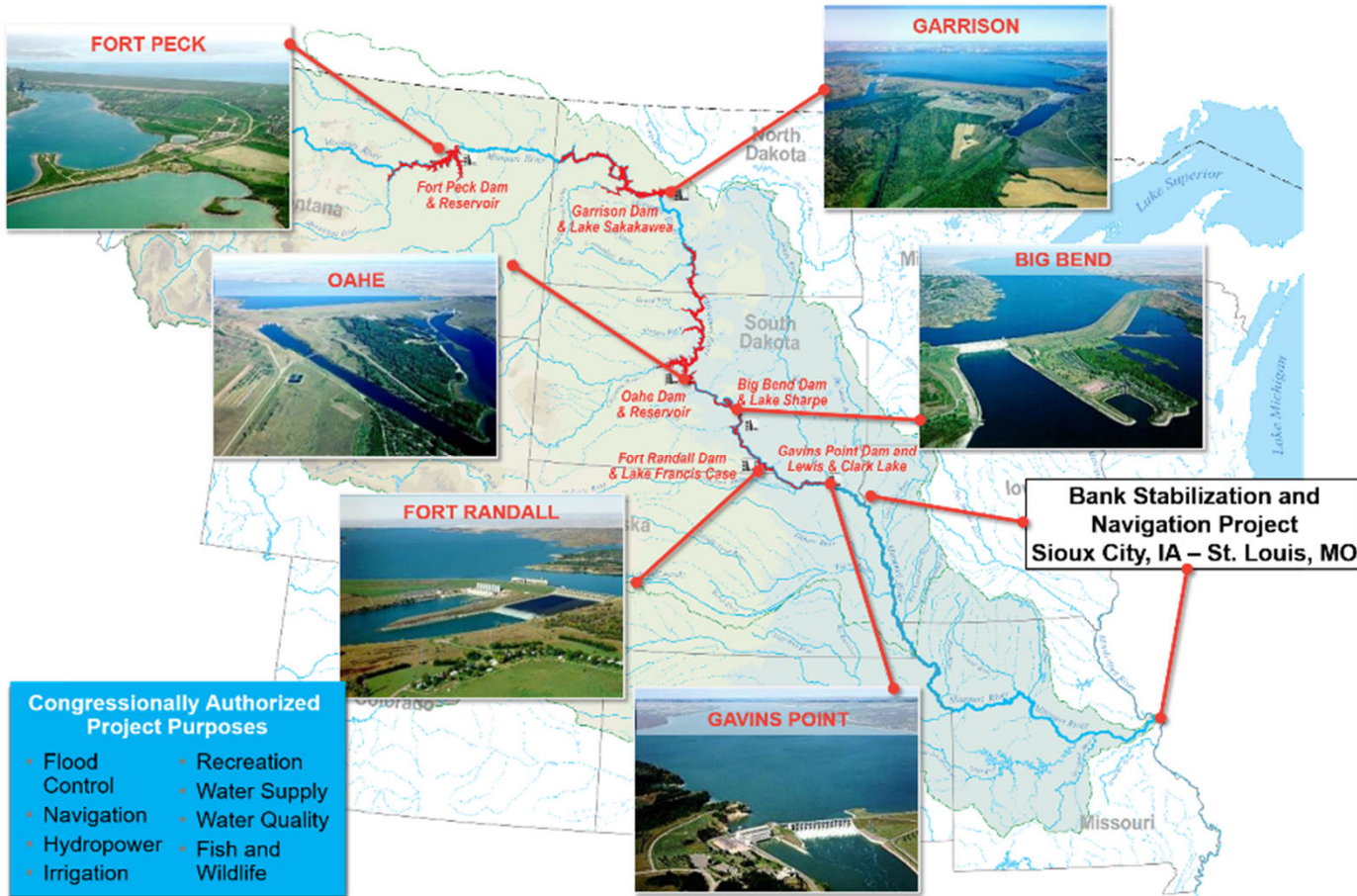
Key:	Probable Dredge Areas (9 ft DEPTH)					
	River Mile	Problematic On:	Dredge ETA	Dredge Complete	Dredge	
⊕	171.7	+21 Days	16-Jul	28-Jul	Potter	
⬠	1.3	+28 Days	22-Jul	27-Jul	Hurley	
☆	173.2	+28 Days	29-Jul	1-Aug	Potter	
⬠	166.8	+28 Days	2-Aug	5-Aug	Potter	
⬠	102.7	+28 Days	6-Aug	15-Aug	Potter	
⬠	98.8	+28 Days	16-Aug	20-Aug	Potter	
⬠	100.5	+28 Days	21-Aug	25-Aug	Potter	
⬠	115.5	+28 Days	26-Aug	28-Aug	Potter	

Mariners should be watchful for shoaling areas that could become problematic. These areas should be reported immediately to USACE St. Louis District staff and the USCG Sector Upper Command Center via VHF-FM Ch 16, (314)-269-2332 or at sumwaterways@uscg.mil.





# MISSOURI RIVER MAINSTEM SYSTEM

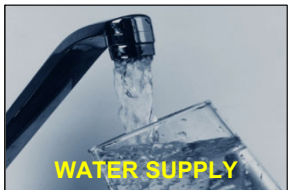


- Congressionally Authorized Project Purposes**
- Flood Control
  - Navigation
  - Hydropower
  - Irrigation
  - Recreation
  - Water Supply
  - Water Quality
  - Fish and Wildlife

- 529,350 Square Miles
  - 1/6 of CONUS
- 2341 Miles Long
- 10 States, 2 Canadian Provinces
- Highly Diverse
  - Geographically/Geologically
  - Meteorologically/Hydrologically
    - ~ 16 Inches in Fort Peck
    - ~ 42 Inches in St. Louis
- River of Thirds
  - 1/3 Channelized
  - 1/3 Impounded
  - 1/3 Natural State
- 279,480 mi<sup>2</sup> Regulated by Mainstem Projects
- 83,800 mi<sup>2</sup> Regulated by Tributary Projects
- 165,070 mi<sup>2</sup> Unregulated



# AUTHORIZATION/MISSION



- Eight Authorized Purposes (1944 FCA)

- Flood Control – Requires Empty Space
- Navigation
- Water Supply
- Hydropower
- Water Quality Control
- Recreation
- Irrigation
- Fish and Wildlife

Requires Access to Water or Releases



- Purpose ≠ Priority: One priority is life safety.
- Runoff Driven System – The runoff drives system releases and is managed on an annual basis. We do not carryover water in the flood control zones
- Basically operate for flood control or meeting downstream targets (navigation, Water Supply)
- Must comply with all laws (e.g. ESA\*, CWA, etc.)

\* - As Hydrologic Conditions Allow (BiOp Compliance)

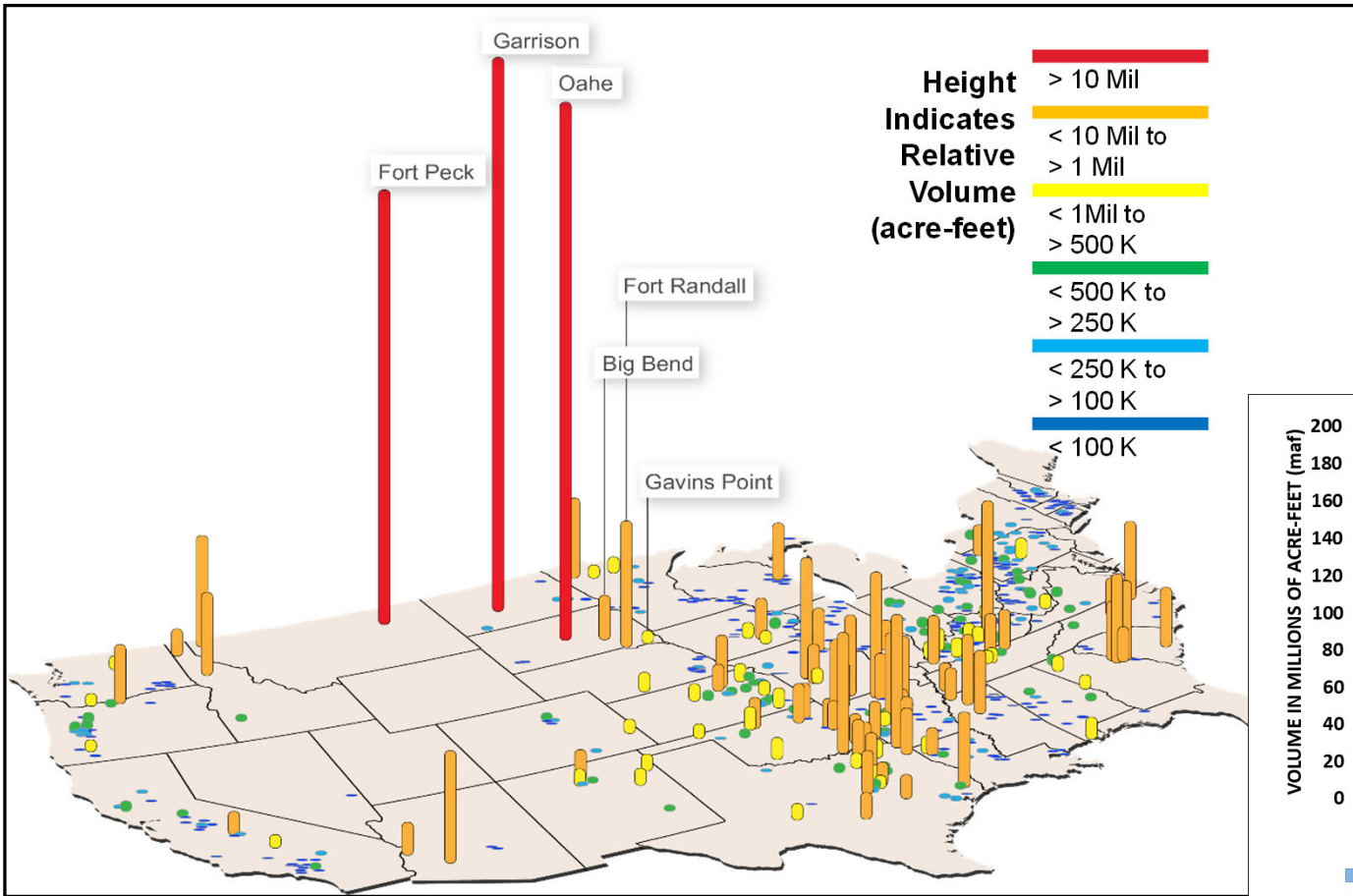




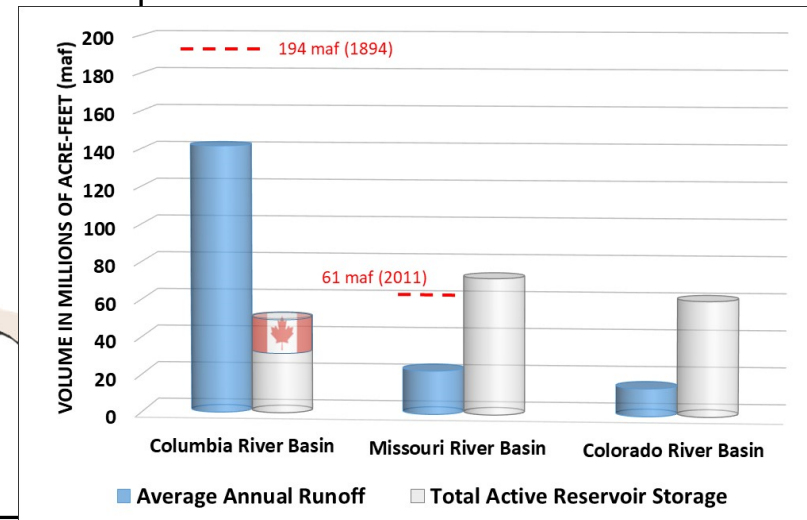
# MISSOURI RIVER MAINSTEM RESERVOIR SYSTEM



## USACE Reservoir Storage Capacity



- Largest Reservoir Storage System in North America (72.4 MAF)
- Garrison, Oahe and Fort Peck are the 3<sup>rd</sup>, 4<sup>th</sup>, and 5<sup>th</sup> Large Storage Reservoirs in the Federal Inventory
- Total Storage ~ 3 x Ave Runoff (see below)

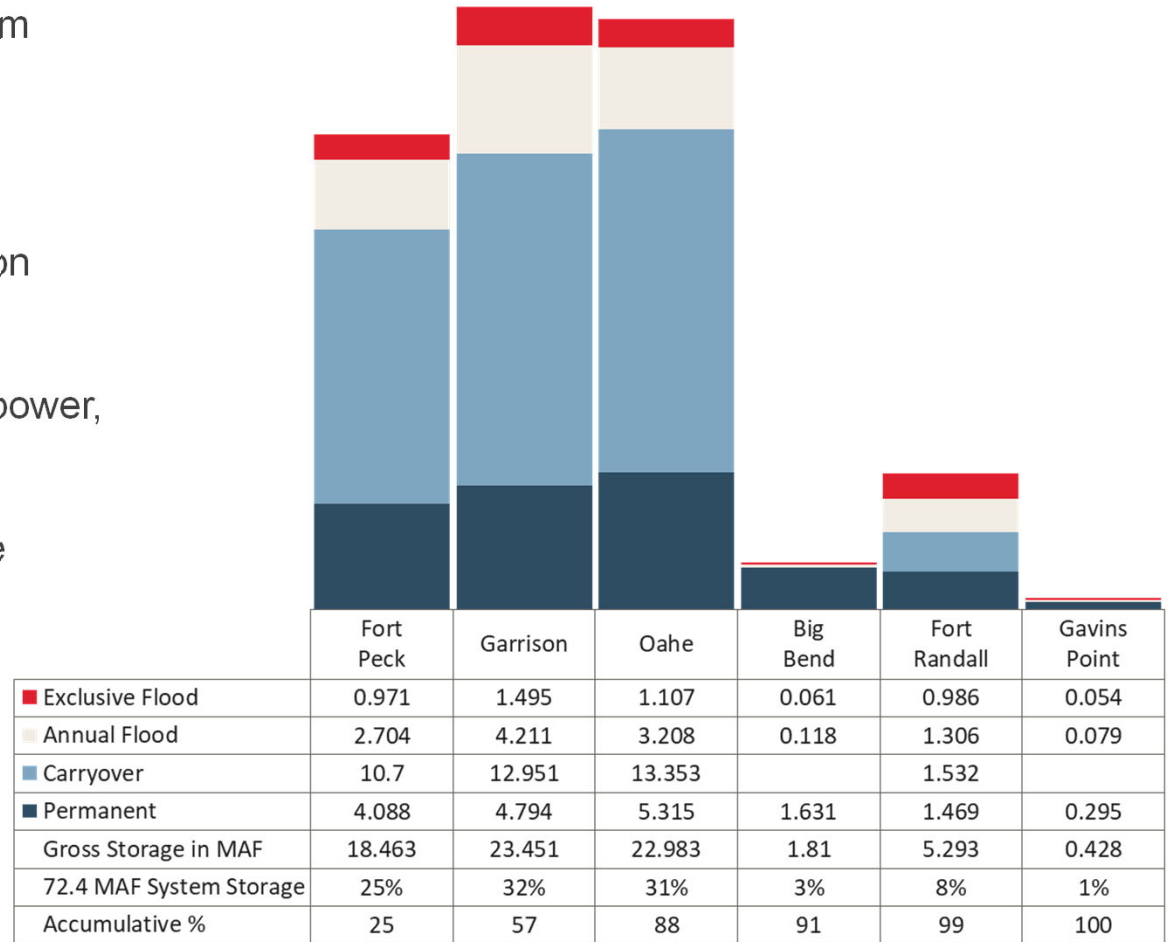




# MAINSTEM PROJECTS - STORAGE

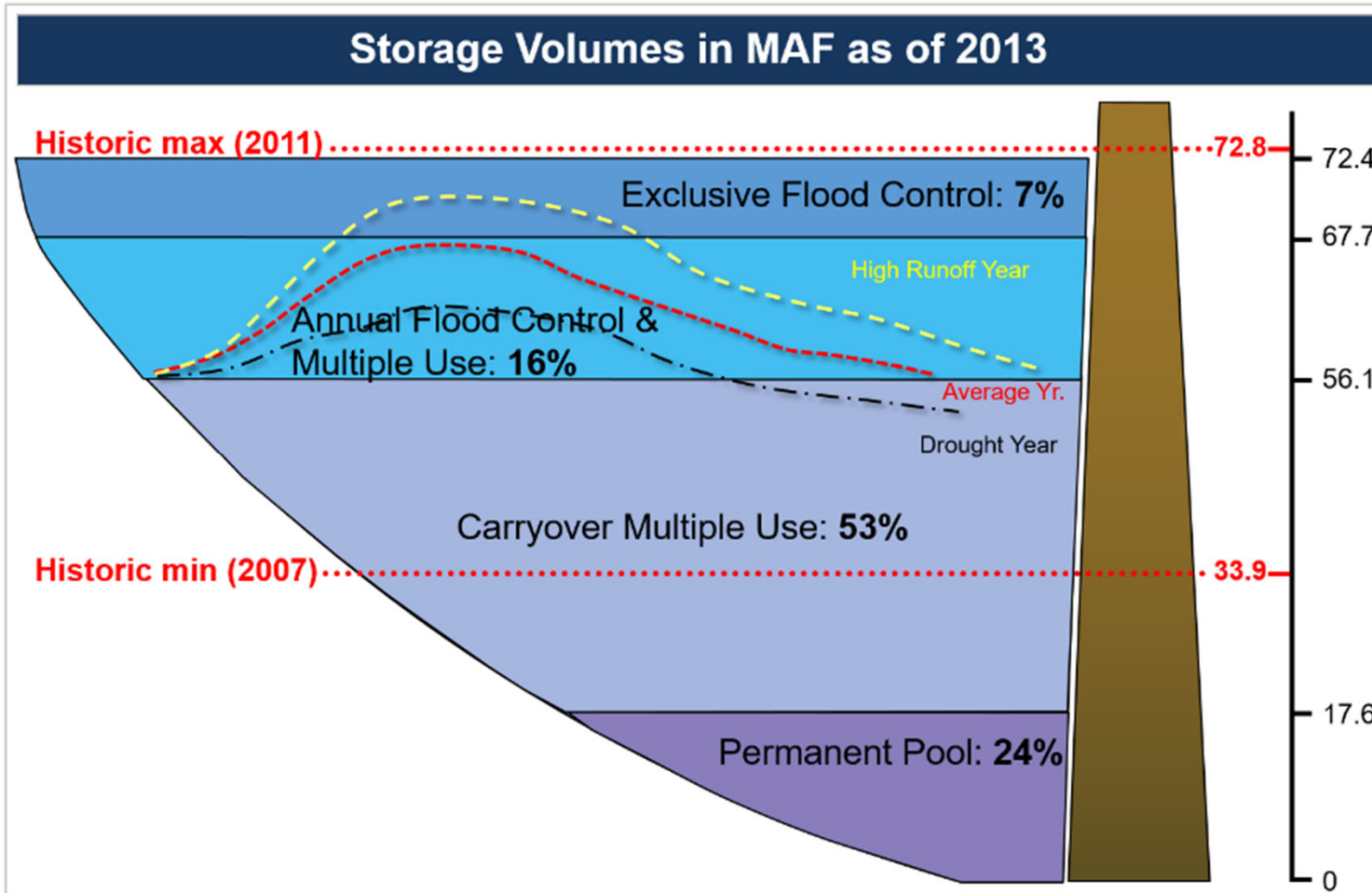


- Upper Three Projects (Big 3) Drive the System
  - 88% of Total Storage
  - 85 % of Flood Control Storage
  - 96% of Carryover Multiple Use Storage
- Big Bend, and Gavins Point are Re-Regulation Projects (do not fluctuate)
- Fort Randall Provides Winter Storage/Hydropower, and Local Flood Control
- Beg Bend, Fort Randall and Gavins Point are Relatively Un-affected by Drought





# CURRENT SYSTEM STORAGE ZONES AND ALLOCATIONS



- Exclusive Flood Control Zone is Evacuated as soon as D/S Conditions Allow
- Annual Flood Control and Multiple Use Zone is the Ideal Operating Range
- Carryover and Multiple Use Zone is Design to Serve the Authorized Purposes During Extended Droughts
- Permanent Pool – Minimum Need for Water Supply, Hydropower, etc.

# ATTACHMENT F

## Mississippi River Basin Fisheries Commission Act

(7/2023)

*(F-1 to F-12)*

1 **117 CONGRESS 2<sup>ND</sup> SESSION**

2 **S.\_\_\_\_**

3  
4 **AN ACT**

5 To establish the Mississippi River Basin Fisheries Commission,  
6 and for other purposes.  
7

1 **SECTION 1. SHORT TITLE; TABLE OF CONTENTS**

2 (a) SHORT TITLE. – This Act may be cited as the “Mississippi River Basin  
3 Fisheries Commission Act”.

4 (b) TABLE OF CONTENTS. -The Table of Contents for this Act is as follows:

5 Sec. 1. Short title; table of contents

6 Sec. 2. Findings

7 Sec. 3. Purpose

8 Sec. 4. Definitions

9 Sec. 5. Effective Date.

10 Sec. 6. Commission Governance.

11 Sec. 7. Commission Duties.

12 Sec. 8. Department of the Interior.

13 Sec. 9. Federal Partners.

14 Sec. 10. Nonbinding Authority.

15 Sec. 11. Renunciation.

16 Sec. 12. Report to Congress

17 Sec. 13. Appropriations

18

19 **SECTION 2. FINDINGS AND PURPOSE**

20 (a) FINDINGS. - Congress finds the following:

21 (1) Management of the inland fishery resources of the Mississippi  
22 River Basin are shared by 31 States, multiple Federal agencies, and two Canadian  
23 provinces.

24 (2) The Mississippi River Basin is the fourth largest watershed in the  
25 world, and the largest watershed in the nation, draining all or part of 31 states and  
26 2 Canadian provinces. The watershed measures approximately 1.2 million square  
27 miles and covers 41% of the continental United States.

28 (3) The Mississippi River and its tributaries comprise one of the  
29 largest and most valuable ecosystems in the world.

30 (4) The Basin supports economically and culturally significant  
31 subsistence, commercial, and recreational fisheries.



1           (5) States within the Mississippi River Basin have formed multiple  
2 regional interstate partnerships, and one basin-wide partnership, to promote  
3 cooperation and communication among the conservation agencies to manage the  
4 interjurisdictional fishery resources of the basin. Twenty-eight Mississippi River  
5 Basin state fishery agencies, the U.S. Fish and Wildlife Service (USFWS), the  
6 [U.S. Bureau of Reclamation](#), the [U.S. Geological Survey](#) agency, the Tennessee  
7 Valley Authority, the [Chippewa-Cree Tribe](#) and the [Chickasaw Nation](#) ratified the  
8 Mississippi Interstate Cooperative Resource Agreement in 1990 and formed the  
9 Mississippi Interstate Cooperative Resource Association (MICRA) in 1991 to  
10 improve the management of interjurisdictional fishery resources in the basin.

11           (6) Recognizing the economic, ecologic, and cultural value of the  
12 diverse interjurisdictional fishery resources in the Mississippi River Basin and the  
13 complexity and severity of issues facing resource management agencies, Congress  
14 acknowledges the need for the establishment of a Mississippi River Basin Fishery  
15 Commission for Basin-wide, inter-agency collaboration in the establishment of  
16 shared management objectives, and the collaborative planning, implementation,  
17 and evaluation of management actions to provide for the long-term biologic and  
18 economic sustainability of interjurisdictional fishery resources in the basin.

19           (7) As long-term sustainability of interjurisdictional fishery  
20 resources is dependent on the control of aquatic invasive species within the Basin,  
21 it is the further purpose of this Commission to provide for coordinated, inter-  
22 agency, basin-wide management, control, and removal of invasive carps and other  
23 prioritized aquatic invasive species within the Mississippi River Basin.

24           (8) By consent of Congress, and as directed by national law (i.e.,  
25 Magnuson-Stevens Fishery Conservation and Management Act and the  
26 Interjurisdictional Fisheries Act of 1986), sustainable marine fisheries within the  
27 U.S. coastal waters of the Pacific, Atlantic, and Caribbean Oceans, and the Gulf

1 of Mexico, have been managed by multi-state commissions and fishery councils  
2 for many decades.

3 (9) The interjurisdictional and international fishery resources of the  
4 Great Lakes are cooperatively managed by the Great Lakes Fishery Commission  
5 (GLFC), operating through the 1954 Convention on Great Lake Fisheries.

6 (10) The Mississippi River Basin Fishery Commission will improve  
7 the management and utilization of sustainable interjurisdictional fisheries  
8 resources in the Mississippi River Basin through the development of a multi-  
9 agency program for the joint management and protection of such fisheries.

### 10 **SECTION 3. PURPOSE**

11 (a) PURPOSE.- The purpose of the Mississippi River Basin Fisheries  
12 Commission is to effectuate the improved management and utilization of the  
13 interjurisdictional fisheries resources of the Mississippi River Basin through the  
14 creation of the Mississippi River Basin Fisheries Commission responsible for  
15 cooperative fisheries management, aquatic invasive species management and  
16 control, and associated research.

### 17 **SECTION 4. DEFINITIONS**

18 In this Act:

19 (1) AQUATIC INVASIVE SPECIES. – means a nonindigenous species that  
20 threatens the diversity or abundance of native species or the ecological  
21 stability of infested waters, or commercial, agricultural, aquacultural or  
22 recreational activities dependent on such waters.

23 (2) DIRECTOR OF FISHERIES. – The term “director of fisheries” is used here  
24 generally to describe the highest designated officer in charge of fisheries  
25 management employed by each state wildlife agency in each member state  
26 in the commission. Each state wildlife agency has a different title for their  
27 primary fisheries manager, and in this act, the term “director of fisheries”

1 is used to describe that position regardless of actual formal title of the  
2 officer in each state.

3 (3) FISHERY RESOURCE. – The term “fishery resource” means finfish,  
4 mollusks, crustaceans, and any other form of marine animal or plant life,  
5 other than marine mammals or birds.

6 (4) INTERJURISDICTIONAL FISHERY RESOURCE. – The term “interjurisdictional  
7 fishery resource” means –

8 (a) A fishery resource for which a fishery occurs in waters under the  
9 jurisdiction of one of more States;

10 (b) A fishery resource for which there exists an interstate fishery  
11 management plan; or

12 (c) A fishery resource which migrates between the waters under the  
13 jurisdiction of two or more States within the Mississippi River Basin.

14 (5) INVASIVE CARP. – Invasive carp are aquatic invasive finfish that originated  
15 from Europe and Asia. The bighead carp, black carp, grass carp and silver  
16 carp spread quickly once they are established in a body of water or  
17 waterway, and cause serious damage to the native fish populations, as well  
18 as economic and physical harm to humans.

19 (6) MISSISSIPPI RIVER BASIN STATE. – a State whose borders include waters  
20 that drain into the Mississippi River Basin, including Alabama, Arkansas,  
21 Colorado, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana,  
22 Maryland, Michigan, Minnesota, Mississippi, Missouri, Montana,  
23 Nebraska, New Mexico, New York, North Carolina, North Dakota, Ohio,  
24 Oklahoma, Pennsylvania, South Dakota, Tennessee, Texas, Virginia, West  
25 Virginia, Wisconsin and Wyoming.

26 (7) COMMISSION. – The term “Commission” means the Mississippi River  
27 Basin Fisheries Commission established under Section 4 of this Act.

1 (8) ELIGIBLE ENTITY. — The term “eligible entity” means entities eligible for  
2 Commission membership, and includes —

3 (a) any political subdivision, agency or department of a Mississippi  
4 River Basin State that regulates Mississippi River Basin fisheries;

5 (b) an Indian tribe (as defined in section 4 of the Indian Self-  
6 Determination and Education Assistance Act ([25 U.S.C. 5304](#))) or an  
7 entity controlled by an Indian tribe that manages Mississippi River Basin  
8 fisheries;

9 (c) Federal entities including, but not limited to: the United States  
10 Geological Survey, the United States Fish and Wildlife Service, the United  
11 States Army Corps of Engineers, the United States Army Engineer  
12 Research and Development Center (ERDC) and the Tennessee Valley  
13 Authority.

14 (9) MEMBER ENTITY. – The term “member entity” means entities eligible for  
15 Commission membership as defined in definition (8) above of this Act, that  
16 maintain active membership.

17 (10) SECRETARY. – The term “secretary” means the Secretary of the  
18 Department of Interior.

19 **SECTION 5. EFFECTIVE DATE**

20 (a) The Mississippi River Basin Fishery Commission shall become effective  
21 within 100 days of the passage of this Act.

22 (b) Subsequent to the formation of the Commission, any state or tribal  
23 authority with fisheries management jurisdiction within the  
24 interjurisdictional waters of the Mississippi River Basin, or Federal agency  
25 or federally chartered entity that manages and regulates Mississippi River  
26 Basin may join.

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**SECTION 6. COMMISSION GOVERNANCE**

- (a) Each member state’s director of fisheries or equivalent will serve as a voting delegate to represent that member’s interests to the Commission hereby constituted and designated as the Mississippi River Basin Fishery Commission. Each federal entity, and tribe joining herein as defined above shall appoint one voting delegate to the Commission hereby constituted and designated as the Mississippi River Basin Fishery Commission.
- (b) The Commission shall be a body corporate with the powers and duties set forth herein. The member entities will establish a governance structure following formation of the Commission.
- (c) The Commission shall have the power to appoint a full-time Executive Director and staff as needed to carry out the administrative duties of the Commission. These positions will be advisory and operational in nature only with no voting rights.
- (d) The Commission shall elect from its number a Chair and a Vice Chair and shall, at its pleasure, appoint, remove, or discharge such officers and employees as may be required to carry the provisions of this agreement into effect, and shall fix and determine their duties, qualifications, and compensation.
- (e) Said Commission shall adopt rules and regulations for the conduct of its business.
- (f) It may establish and maintain one or more offices for the transaction of its business, which must be located within the Mississippi River Basin, and the Commission may meet at any time or place but must meet at least once a year.

1 (g) No recommendation or action shall be taken by the Commission regarding  
2 its general affairs except by the affirmative vote of a majority of the whole  
3 number of member entities.

4 (h) The Commission shall strive for unanimity in its decisions but will operate  
5 by consensus in its decision making.

6 (i) The Federal Advisory Committee Act (5 U.S.C. App.) shall not apply to  
7 the Commission.

## 8 **SECTION 7. COMMISSION DUTIES**

### 9 (A) INTERJURISDICTIONAL FISHERY MANAGEMENT.-

10 (1) The Commission shall oversee the six Mississippi River sub-  
11 basin's management plans, implementation, and evaluation of the  
12 effectiveness of management actions to provide for the long-term biologic and  
13 economic sustainability of interjurisdictional fisheries in the Basin. The six  
14 sub-basins of the Mississippi River Basin are the Arkansas-Red-White, the  
15 Lower Mississippi, the Missouri, the Ohio, the Tennessee-Cumberland and  
16 the Upper Mississippi.

17 (2) The Commission shall work to research and implement the best  
18 scientific methods, best practices, and conditions to bring about the  
19 conservation and sustainable management of interjurisdictional fisheries  
20 throughout the Basin.

21 (3) **JOINT STRATEGIC PLAN.** – The Commission shall use the Joint  
22 Strategic Plan for Management of Mississippi River Fisheries, which was  
23 adopted and approved by 28 states in the Mississippi River Basin, and which  
24 establishes a formal commitment to a set of strategic procedures for a  
25 coordinated, inter-agency approach to cooperatively managing self-sustaining  
26 interjurisdictional fishery resources in the basin, as the framework for the  
27 Commission's management plan.

1           (4)     The Commission shall develop and coordinate inter-agency and  
2 inter-basin strategies to prevent the introduction of and control the abundance  
3 and spread of invasive carps and other prioritized aquatic invasive species of  
4 the Mississippi River Basin.

5           (5)     The Commission shall draft and recommend to the appropriate  
6 management agencies strategies and approaches for dealing with the  
7 conservation of interjurisdictional fisheries and the management and control  
8 of aquatic invasive species within the Mississippi River Basin.

9           (6)     The Commission shall consult with and advise the pertinent  
10 administrative agencies party to the Commission regarding problems  
11 connected with the fisheries and recommend the adoption of such regulations  
12 as it deems advisable.

13          (7)     Not later than thirty years following the date of enactment of this  
14 Act, the Commission, in consultation with the Secretary, shall reexamine and  
15 evaluate the Joint Strategic Plan to determine which portions of the Plan have  
16 been completed, which need updating, and add new objectives, if any, to the  
17 plan, and shall issue a report to Congress on the status of interjurisdictional  
18 fishery populations and the state of the ongoing work to eradicate, manage  
19 and control aquatic invasive species in the Mississippi River Basin in  
20 accordance with the Joint Strategic Plan.

21 **B) COMMISSION GRANT PROGRAM.-**

22          (1)     Not later than 2 years after the date of enactment of this Act, the  
23 Commission, in consultation with the Secretary of Interior, shall establish  
24 both a competitive grant program to award grants to entities for eligible  
25 projects and a non-competitive grant program to award grants to member  
26 states.

1           (2) The Commission may provide grants to state fish and wildlife  
2 agencies, private entities, federal agencies, nongovernmental organizations,  
3 public and private universities, and partnerships between said eligible entities.

4           (3) Grant funding is limited to projects, research, personnel, work,  
5 and programs located wholly or partially located in a Mississippi River Basin  
6 State.

7           (4) An entity desiring a competitive grant under the program shall  
8 submit to the Commission an application at such time, in such manner and  
9 containing such information as the Commission may require.

10          (5) The Commission shall determine the amount that each member  
11 state shall be awarded annually under the non-competitive grant portion of the  
12 Commission's funding.

13          (6) An entity eligible for grant funding that receives a grant award  
14 under this section shall use the amount of the award for projects and work in  
15 accordance with the goals and objectives of the Joint Strategic Plan and each  
16 sub-basin's interjurisdictional fisheries management plan.

17          (7) Federal Cost Share. – Subject to paragraph (2) the non-Federal  
18 share of the cost of carrying out an eligible project using funds from a grant  
19 awarded under the program shall be 10 percent, including in-kind  
20 contributions.

21               (a) Waiver. – The Commission shall establish waiver criteria  
22 under which the Secretary may waive the cost-share requirement under  
23 paragraph (1), in whole or in part, for grants awarded to eligible entities.

24          (8) Administrative Costs. – An eligible entity awarded a grant under  
25 this section may use the grant funds for administrative costs relating to that  
26 grant, not to exceed 5 percent.

27



1 C) REPORT REQUIREMENTS

- 2 1. Not later than 1 year after the disbursement of grant funding, the  
3 Commission Chair shall submit to Congress a report on:
- 4 a. the entities awarded grants under this section;
  - 5 b. the amount each such entity received;
  - 6 c. how those entities used the grant award; and
  - 7 d. how such awards enhanced the management and sustainability of  
8 the interjurisdictional fisheries of the Mississippi River Basin.

9 **SECTION 8. DEPARTMENT OF THE INTERIOR**

- 10 (a) The Commission shall be hosted and funded by the Department of Interior,  
11 in accordance with annual appropriations from Congress.

12 **SECTION 10. NONBINDNG AUTHORITY**

- 13 (a) Nothing in this Act shall be construed to limit the powers of any signatory  
14 state or to repeal or prevent the enactment of any legislation or the  
15 enforcement of any requirement by any signatory state imposing additional  
16 conditions and restrictions to conserve its fisheries.

17 **SECTION 11. RENUNCIATION**

- 18 (a) This agreement shall continue in force upon each member entity unless  
19 renounced by it.
- 20 (b) Renunciation of this agreement must be preceded by sending six months'  
21 notice in writing of intention to withdraw from the Commission to the  
22 other member entities hereto.

23 **SECTION 12. REPORT TO CONGRESS**

- 24 (a) The Mississippi River Basin Fishery Commission constituted by the  
25 agreement shall make a report to Congress by September 1<sup>st</sup> of each  
26 calendar year following passage of this Act. Such report shall set forth the

1 activities of the Commission during the calendar year ending immediately  
2 prior to the beginning of the last Congressional session.

3 **SECTION 13. APPROPRIATIONS**

4 (a) IN GENERAL. —There are authorized to be appropriated—

5 (1) \$1,000,000 in 2024 to the Executive Director for the initial administrative  
6 steps necessary to set up operations, house and administer the Commission;

7 (2) to the Commission, \$30,000,000 for each of fiscal years 2025 through  
8 2029, to carry out Section 7, to remain available until expended;

9 (3) to the Commission, \$50,000,000 for each of the fiscal years 2030 through  
10 2034, to carry out Section 7, to remain available until expended,

11 (4) to the Secretary of the Interior to carry out section 8, \$500,000 for each of  
12 fiscal years 2023 through 2033, to remain available until expended.

# ATTACHMENT G

## Additional Items

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

**QUARTERLY MEETINGS  
FUTURE MEETING SCHEDULE**

<b>OCTOBER 2023</b>	
<u>St. Louis, MO</u>	
October 24	UMRBA Quarterly Meeting
October 25	UMRR Coordinating Committee Quarterly Meeting

<b>FEBRUARY 2024</b>	
<u>Virtual</u>	
February 27	UMRBA Quarterly Meeting
February 28	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