

# WELCOME

IN-PERSON OMAHA MEETING WILL BEGIN AT

**11:15 AM Central**

JOINT VIRTUAL MEETING WILL BEGIN AT

**11:45 AM Central**

Society of American Military Engineers

Omaha Post

September 12<sup>th</sup> Meeting



# Omaha Post Meeting

**Society of American Military Engineers**

**Omaha Post (Joint Virtual Meeting with Minneapolis/St. Paul, Rock Island and Greater Kansas City SAME Posts)**

**September 12<sup>th</sup>, 2024 Meeting**

# Meeting Agenda

- Pledge of Allegiance
- New Member/ Guest Introductions
- Announcements
- Membership Spotlight
- Invocation
- Lunch
- Joint Presentation with Minneapolis/St. Paul, Rock Island and Greater Kansas City Posts
- Q&A
- Split Kitty Drawing
- Closing Remarks

# Pledge of Allegiance



I pledge allegiance to the Flag of the United States of America, and to the Republic for which it stands, one Nation under God, indivisible, with liberty and justice for all.

# Introductions

## Introductions

- Welcome SAME Student Chapter Members
- Welcome New SAME Members
- Introduction of Guests

# Membership Spotlight





# Membership Spotlight



[https://youtu.be/0LInJADc0zg?si=aND\\_HeTdDvasQCii](https://youtu.be/0LInJADc0zg?si=aND_HeTdDvasQCii)

# Announcements

- **“We Survived the Federal Fourth Quarter!” Networking Event and Membership Recruiting Event**
  - ▶ Date: October 3, 2024
  - ▶ Time: 4:00 pm to 6:00 pm CST
  - ▶ Location: Legends Patio and Grille, 6920 Pacific Street, Suite 100, Omaha, NE 68106
  - ▶ Price: \$20 per person and includes appetizers and two drink tickets (Free for all Student Members)
  - ▶ Registration Link Coming soon!
  
- **USACE Industry Day – Small Business Event FY25 Omaha District**
  - ▶ Date: October 30, 2024
  - ▶ Time: 9:00 am to 4:00 pm CST
  - ▶ Location: University of Nebraska, 300 Mammel Hall, 6708 Pine Street Omaha, NE 68182
  - ▶ Price: Free
  - ▶ SAVE-THE-DATE - FY25 Omaha District-USACE Industry Day! Get ready for a day filled with networking, collaboration, and insights into future projects. Join us in person for this exciting event where industry professionals and US Army Corps of Engineers come together to discuss opportunities and innovations. Don't miss out on this unique chance to connect with key players in the industry.



# Announcements

- **SAVE THE DATE! Omaha Industry Day – May 28-30, 2025**
- **Omaha Post General Membership Meeting October 2024**
  - ▶ Date: October 8<sup>th</sup>, 2024
  - ▶ Location: Field Club of Omaha
  - ▶ Topic: Fire Protection

# Invocation

Please join us in the invocation before we dismiss for lunch

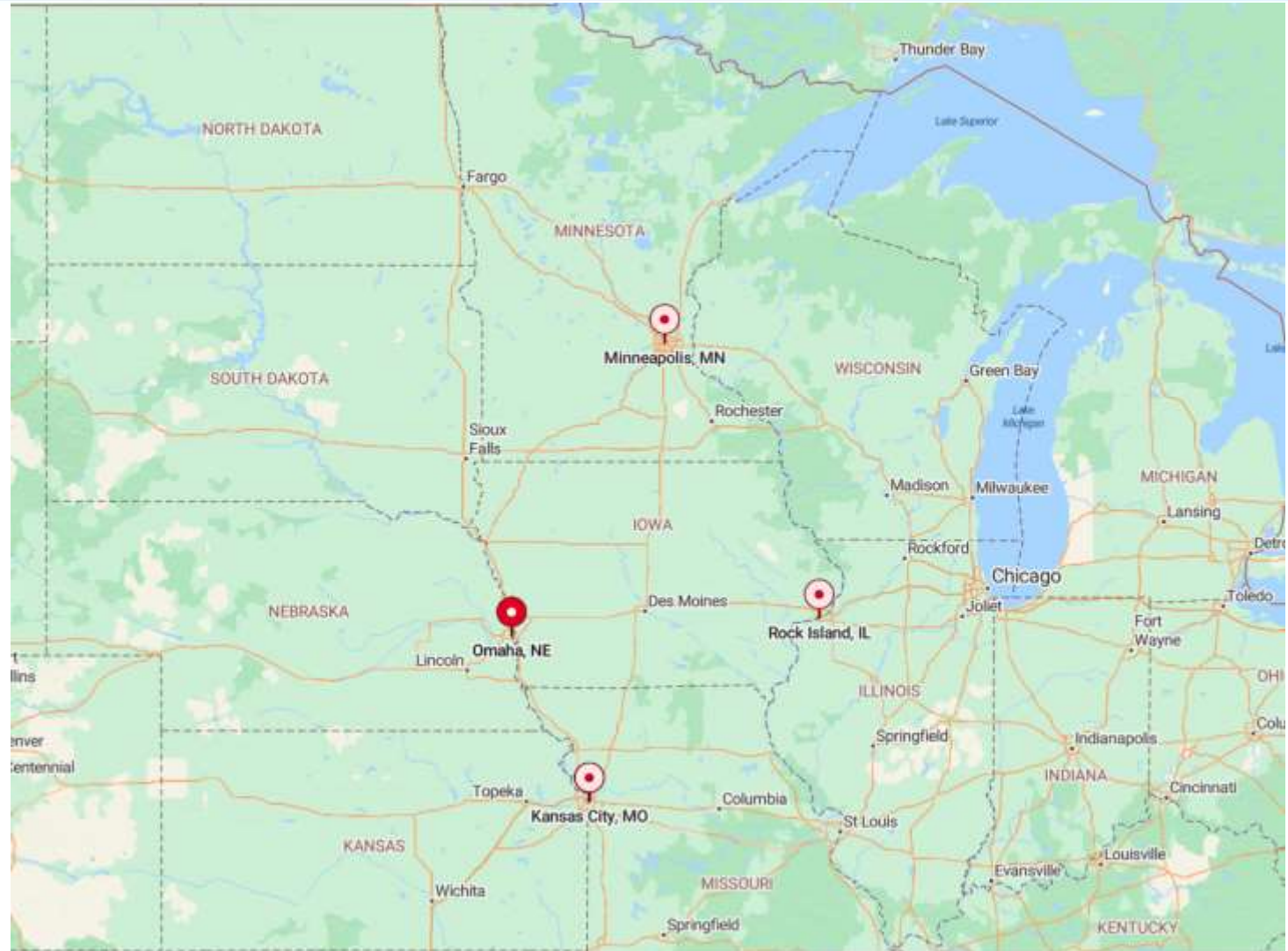
# Lunch

Dismiss by table

# Midwest Flood Recovery Effort

## ■ Joint meeting with:

- ▶ Omaha
- ▶ Rock Island
- ▶ Minneapolis/St Paul
- ▶ Greater Kansas City





# Midwest Flood Recovery Effort

## Introduction of SAME Post Presidents for Joint Meeting

### Omaha

Stephanie Heibel

### Rock Island

Sara Somsy

### Minneapolis/St. Paul

Sam Smith

# Midwest Flood Recovery Effort

## *Presentation Speakers*

### Minneapolis/St. Paul

Jim Rand - Chief of the Readiness Operations Center

### Rock Island

Sarah Jones – Emergency Management Chief

### Omaha

Colonel Robert J. Newbauer, P.E. - Omaha District  
Commander

&

Kim Thomas, P.E. - Omaha District Operations Division Chief



**ST PAUL DISTRICT USACE  
EM OVERVIEW  
SAME PRESENTATION**

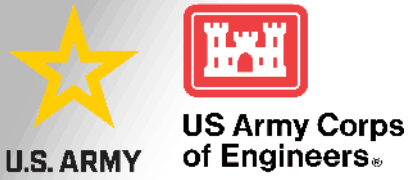
**JIM RAND  
CHIEF, EMERGENCY MANAGEMENT  
12 SEP 2024**



**US Army Corps  
of Engineers**

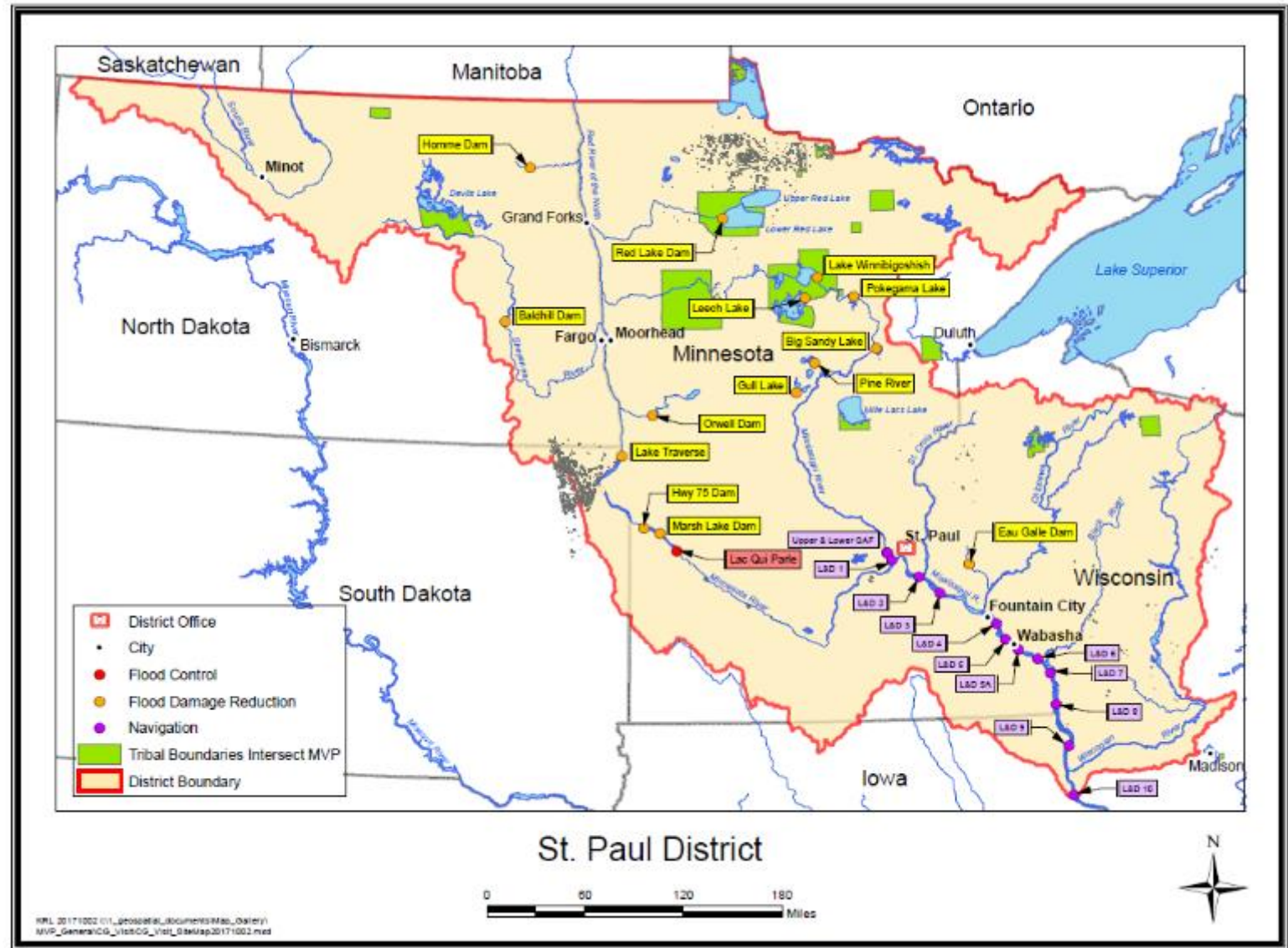


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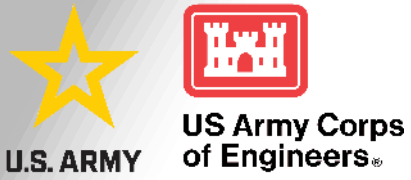


# MVP AGENDA

- International Committee
- Authorities
- Requesting Assistance
  - PL8499
- FEMA Support
  - Stafford Act
- 2024 Summer Flood







# INTERNATIONAL JOINT COMMISSION (IJC)

- Canada and the United States created the IJC because they recognized that each country is affected by the other's actions in lake and river systems along the border.
- The IJC is guided by the Boundary Waters Treaty, signed by Canada and the United States in 1909.
- The IJC has two main responsibilities:
  1. Approving projects that affect water levels and flows across the boundary
  2. Investigating transboundary issues and recommending solutions.

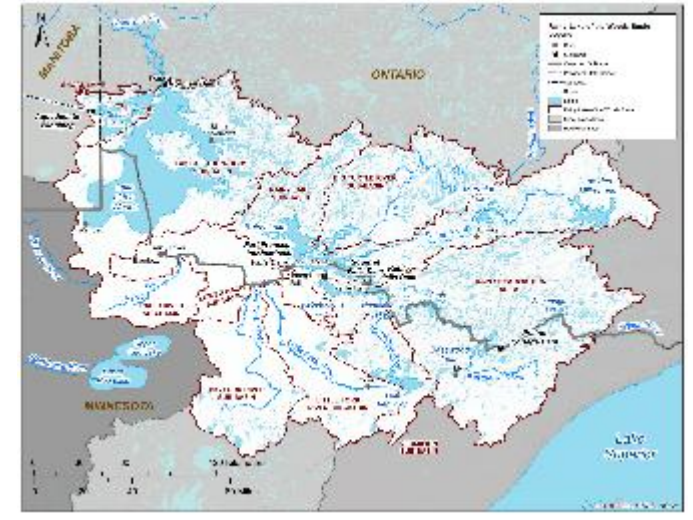
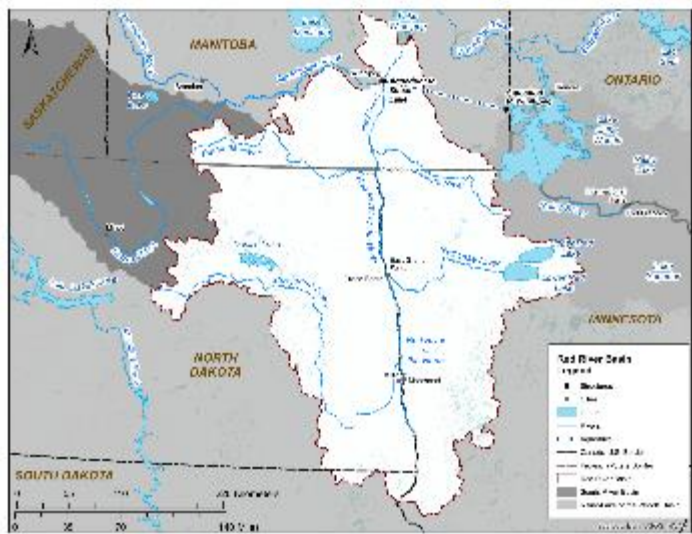
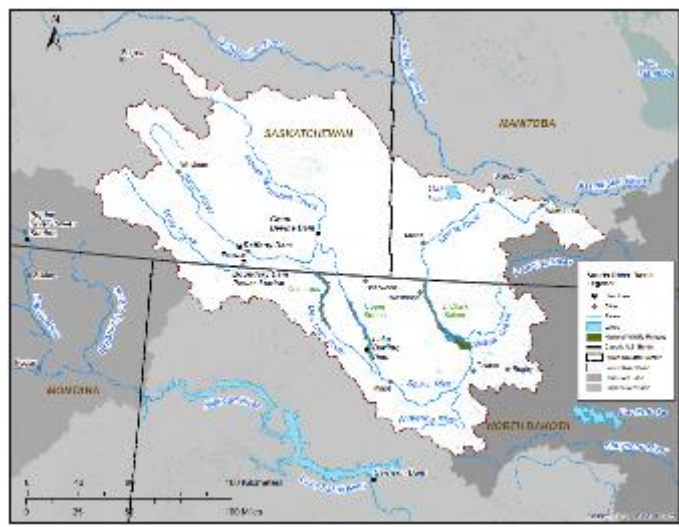


COL Eric Swenson

*Souris River Basin*

*Red River of the North Basin*

*Lake of the Woods & Rainy River Basin*





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# USACE DISASTER RESPONSE & RECOVERY AUTHORITIES AND SUPPORT



## Public Law 84-99 Program

- Disaster preparedness
- Advance measures
- Emergency operations (flood response and post-flood response) supplemental to state, local, tribal, or territorial (SLTT)
- Repair of eligible flood risk management projects damaged by flood
- Restoration of eligible coastal storm risk management projects damaged by extraordinary storms
- Provisions of emergency water due to drought or contaminated source.



• Activities funded by Flood Control and Coastal Emergencies (FCCE) Account



## National Emergency Preparedness Program

- Continuity of operations
- Continuity of government
- Catastrophic disaster planning and response
- Response to events of National Significance which impact Civil Works infrastructure



• Activities funded by O&M Remaining Item



## Public Law 93-288 "aka" the Stafford Act

- Supplemental assistance for SLTT
- Debris Removal and Clearance
- Temporary Emergency Power
- Temporary Roofing
- Temporary Housing
- Critical Public Facilities
- Infrastructure Assessment
- US&R Structural Specialists
- Other Technical Assistance as Requested
- Infrastructure Systems Recovery Support



• in support, funded by and at the direction of FEMA



## Support to DoD

- Support to Military Installations during Natural Disasters
- Support to HQDA during Events of National Significance
- Other Technical Assistance as Requested



• in support and funded by the Services



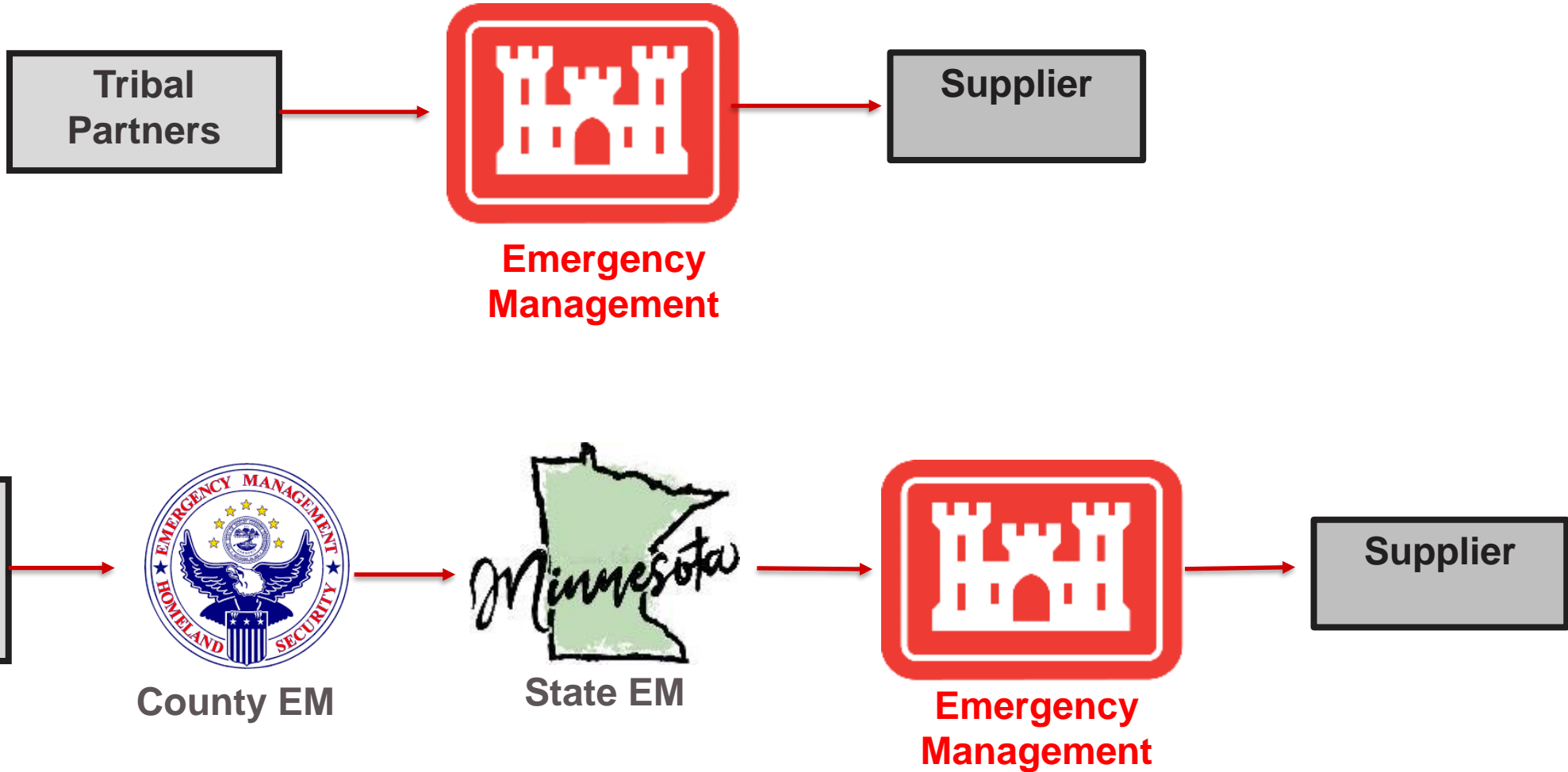
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# REQUESTING ASSISTANCE UNDER PL8499





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# USACE SUPPORT TO FEMA NATIONAL RESPONSE FRAMEWORK EMERGENCY SUPPORT FUNCTIONS (ESF)

- ESF #1 - Transportation (Dept. of Transportation)
- ESF #2 - Communications (Dept. of Homeland Security)
- ESF #3 - Public Works and Engineering (Department of Defense /U.S. Army Corps of Engineers)**
- ESF #4 - Firefighting (Dept. of Agriculture/Forest Service)
- ESF #5 - Emergency Management (Dept. of Homeland Security)
- ESF #6 - Mass Care, Housing and Human Services (American Red Cross)
- ESF #7 - Resource Support (General Services Administration)
- ESF #8 - Public Health and Medical Services (Dept. of Health and Human Services)
- ESF #9 - Urban Search and Rescue (Dept. of Homeland Security)
- ESF #10 - Oil and Hazardous Materials Response (Environmental Protection Agency)
- ESF #11 - Agriculture and Natural Resources (Dept. of the Agriculture)
- ESF #12 - Energy (Dept. of Energy)
- ESF #13 - Public Safety and Security (Dept. of Homeland Security)
- ESF #14 - Long-Term Community Recovery and Mitigation (Dept. of Homeland Security)
- ESF #15 - External Affairs (Dept. of State)

- Department of Defense can engage in support of all Emergency Support Functions
- USACE is a supporting agency for almost all ESFs, as shown in blue

POWER Lead: LRD SME:	Debris Lead: MVD SME: Jacob M. Tate	Infrastructure Lead: SPD SME: Andrea Ruminski	Housing Lead: SAD SME: Chris Klein	Roofing Lead: NWD SME: Joshua Marx	CPF
1 MVM: Standby	1 SWF: Deployed	1 NWS: Standby	1 MVP: Deployed	1 LRN: Standby	1 SWG: Deployed
2 LRP: Standby	2 NWK: Standby	2 POA: Standby	2 LRH: Standby	2 NWO: Standby	2 HNC: Standby
3 SPA: Standby	3 SAM: Standby	3 LRB: Standby	3 SPL: Standby	3 MVS: Standby	3 NAN: Standby
4 POH: Standby	4 LRL: Standby	4 SPN: Standby	4 NAE: Standby	4 SWL: Standby	
5 SWT: Standby	5 MVK: Standby	5 SAC: Standby	5 SAJ: Standby		
6 SAS: Standby	6 NAB: Standby				
7 NWW: Standby	7 SPK: Standby				
Comments:	Comments:	Comments:	Comments:	Comments:	Comments:
Selection required on one or more elements	Selection required on one or more elements	Selection required on one or more elements	Selection required on one or more elements	Selection required on one or more elements	Selection required on one or more elements
		Intent: MSCs and Districts Focus on a narrower scope of readiness in the critical key positions (mission management cell) that require trained and ready volunteers to facilitate mission success	Deployment Status: top right of box Blue: Deployed Orange: Alerted Red: NOT Deployable Grey: Homestation / Standby	Side bar in box: Commander's Assessment Green: Low Risk Yellow: Medium Risk / Warning Red: High Risk or NOT Reported in ENGLink	Note: This data is derived from ENGLink Pro status as reported by the MSC. This represents the commander's overall assessment of the critical key positions within the PRT. Assessments that are YELLOW or RED require additional mitigation strategies for the PRT to deploy and respond. YELLOW and RED status does not necessarily indicate a PRT is non-deployable



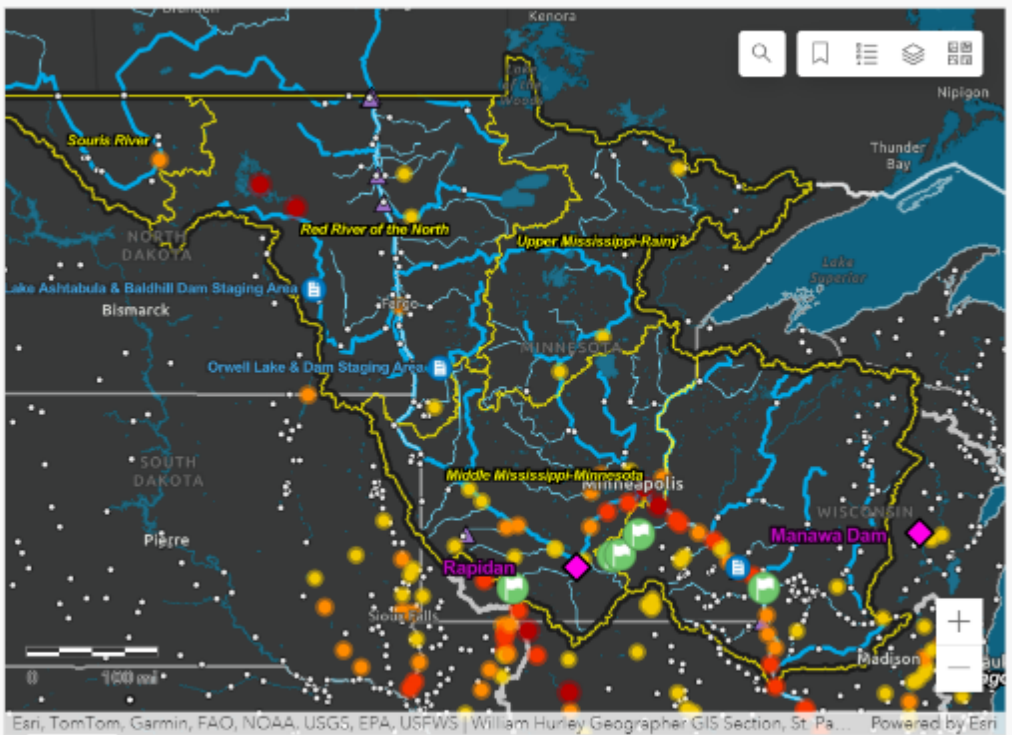


# 2024 SUMMER FLOOD

MVP St. Paul District EM Hub Site

## MVP Flood Event Dashboard Summer 2024 Flooding

**2024 Commander's Assessment** | As of July 5, 2024 @ 1700 |  
 Much of Minnesota experienced significant rainfall the week of 16JUN2024 resulting in a state-wide emergency declaration by the Governor on 22JUN2024. On 23JUN2024 MVP started receiving requests from the State of Minnesota, Homeland Security/ Emergency Management for Technical Assistance as well as Direct Assistance which included supplies and material.  
**Timeline:**  
 23JUN - MVP Declaration of Emergency  
 23JUN - Requested \$50k in 210 funding (received RCO verbal approval)  
 24JUN - Received \$50k in 210 funding  
 27JUN - Requested and received an additional \$200K in 210 funding  
**Concerns/Issues/Risks:** -No significant concerns to report at this time.  
**Command and Control:**  
 Commander - COL Eric Swenson (651) 290-5300  
 Deputy Commander - Ben Rhoda (651)290-5918  
 Emergency Manager - Jim Reed (651) 290-5305



Map Photos

Manawa Dam

Rapidan Dam

2024 MVP Emergency Measures - Pumps and Sandbags

Funding Received	Deployed Total	Deployed Reachback	Deployed Field
\$250,000	49	49	0

**Flood Fight Materials Available (Freeboard Depot)**  
 See **NFFMC Dashboard Tab** above for more details.

**Total**  
 Pumps Available - 60  
 Sandbags Available - 1,350,000  
 Poly Sheeting Rolls (20'x100') Available - 255  
 Gabion Hesco Baskets (4'x15') Available - 110  
 Airlift Sandbags (3000 lbs) Available - 275  
 Helicopter Slings Available - 200

Total Ash FC Orwell

**2024 Emergency Measures**

- 2024 MVP Summer Flood Event - CEMVP  
 Measure - Pumps  
 Remarks - 1 4" Godwin Pump to Campbell, Wisconsin in support of 2024 summer flooding. Includes 80 feet of hoses.  
 Date - 2024-07-02T20:19:00.000000Z
- 2024 MVP Summer Flood Event - CEMVP  
 Measure - Pumps  
 Remarks - 1 4" pump to Northfield, MN in support of 2024 summer flooding.  
 Date - 2024-06-26T00:04:00.000000Z
- 2024 MVP Summer Flood Event - CEMVP  
 Measure - Sandbagging  
 Remarks - 25,000 sandbags to Windom, MN in support of 2024 summer flooding.  
 Date - 2024-06-26T00:03:00.000000Z





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# 2024 SUMMER FLOOD

## Rapidan Dam, Blue Earth River, MN







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# 2024 SUMMER FLOOD

## Rapidan Dam, Blue Earth River, MN





# 2024 JUNE SEVERE WEATHER

## SAME Presentation

COL Robert J. Newbauer, P.E.  
District Commander  
USACE – Omaha District

Kim Thomas, P.E.  
Chief, Operations Division  
USACE - Omaha District

19SEP2024



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# TIMELINE

Public Notice to Sponsors  
July 8<sup>th</sup>

EOC Watch (Ivl 3)  
July 11<sup>th</sup>

Left Action Stage  
@ Rulo  
July 7<sup>th</sup>

Omaha Crest  
32.79 ft  
June 29<sup>th</sup>

Boat Survey  
LIDAR collection

BNSF Bridge Collapse  
Little Sioux Levee Beach

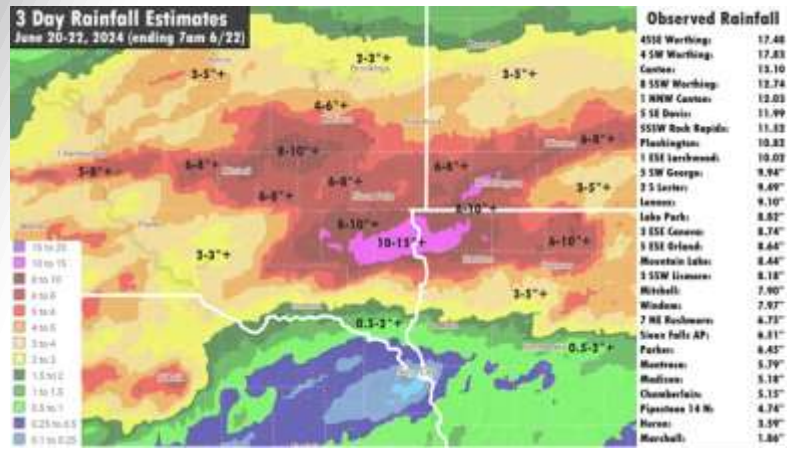
Aerial Surveillance

Levee Surveillance  
June 24<sup>th</sup>

Sioux City Crest  
32.21 ft  
June 24<sup>th</sup>

EOC  
Partial Activation (Ivl 2)  
June 21<sup>th</sup>

Severe  
Weather  
Event  
June 20<sup>th</sup>





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# DAMAGE







# DASHBOARD

U.S. ARMY CORPS OF ENGINEERS | OMAHA DISTRICT

## 2024 summer flood response and recovery

ACTIVATION: JUNE 21 - JULY 11, 2024

### DAYS IN ACTIVATION

EMERGENCY OPERATIONS CENTER

LEVEL 3



ENGAGED: 129

FUNDING TO DATE

### \$3.4M

FLOOD RESPONSE ASSESSMENTS & ENGAGEMENTS

4 STATES | 16 COUNTIES | 35 LEVEE SYSTEMS MONITORED | 2 FLOOD EQUIPMENT STAGING AREAS | 3 STATE LIAISON OFFICERS

### NATIONAL FLOOD FIGHT MATERIAL CENTER SUPPLIES & EQUIPMENT

**SANDBAGS**

ON HAND: 4.2M  
ISSUED: 22,000

**PUMPS**

ON HAND: 30  
ISSUED: 3

**HESCO**

ON HAND: 19.4K<sub>Ln. Ft.</sub>  
ISSUED: 1.2K<sub>Ln. Ft.</sub>

**POLY ROLLS**

ON HAND: 1,252  
ISSUED: 0

**SANDBAG FILLING MACHINES**

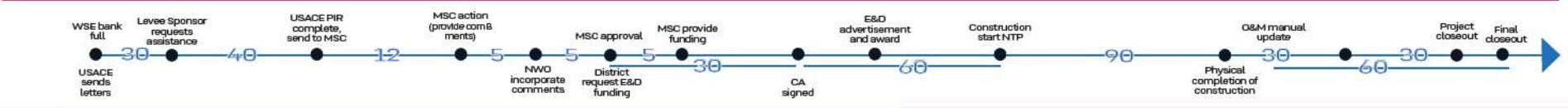
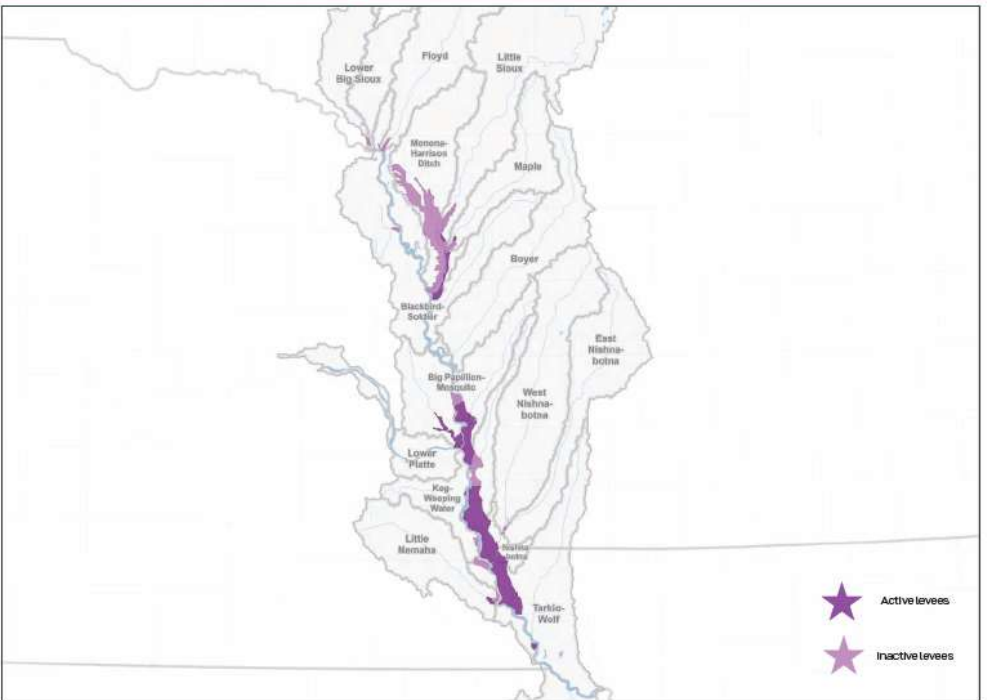
ON HAND: 3  
ISSUED: 0

### Potential Levee Damage

Active Levee Systems: 62  
Inactive Levee Systems: 27

### Levee Sponsors Notified

- May:
- Notification letters sent to active sponsors **JUL 1**
  - Application period ends: **JUL 31**
- June:
- Notification letters sent to active sponsors: **JUL 8**
  - Application period ends: **AUG 7**
  - Sec 120 notification letters sent to inactive sponsors: **JUL 15**
  - Application period ends: **AUG 14**



# LESSONS LEARNED

## External Communication

- Daily outreach call
- Reduced confusion and repeated questions
- Update stakeholder contact lists

## Stakeholder Integration

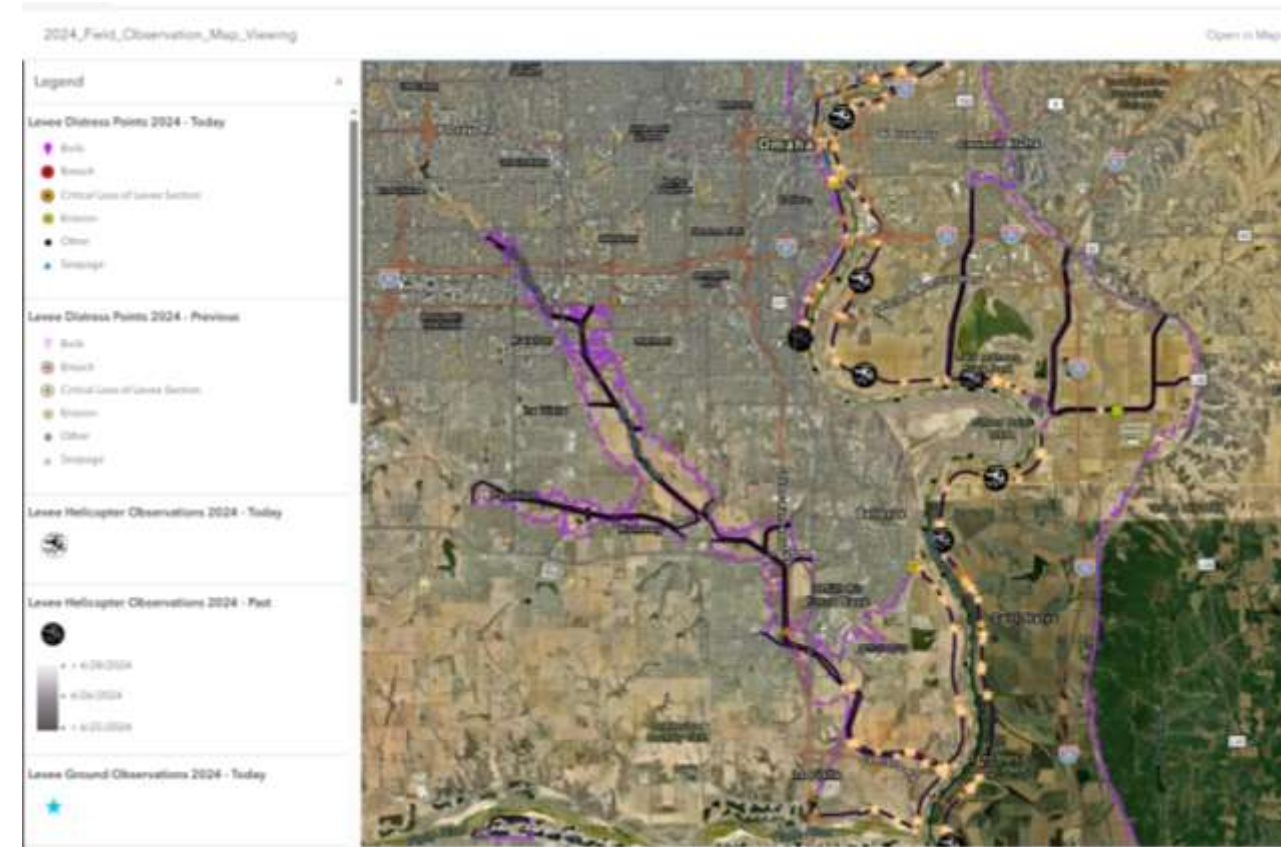
- Build Relationships before the event happens
- Routine touchpoints
- Utilities/Tribes

## Technical Competence/Innovation

- Large staff turnover since 2011 and 2019 floods
- Capitalized on event to train
- ArcGIS Field Observation Map Data

## Safety

- Zero Accidents/Incidents
- Daily Safety Focus/Briefs





# LEVEE REHABS – OPPORTUNITIES

Notification provided to sponsors of 52 Active and 26 Inactive levee systems for separate May & June 2024 flood events.

- May requests (15) all Pappio-Missouri NRD projects (active)
- June requests (23) span multiple states (active & inactive)

Conditional assistance for inactive projects is available through WRDA 2020, Section 120 until December 2025.

Damage Survey Assessments & Project Information Reports from August – October estimated cost ~\$1.4 million.

Initial total repair cost estimate ~\$70 million.

State Status	May - July 2024		
	Active	Inactive	Combined
SD	0	1	1
IA	10.4	6	16.4
NE	17.2	0	17.2
MO	3.4	0	3.4
Subtotal	31	7	38

\* L575 partially counted in three states

\*\* L594-601 dual request for 2019 & 2024

## Typical Damage Reported

- ✓ Erosion – bank
- ✓ Erosion – control structure
- ✓ Erosion – channel bank
- ✓ Vegetative cover destroyed
- ✓ Seepage
- ✓ Drain structure damage
- ✓ Riprap sloughing
- ✓ Riprap displacement
- ✓ Degraded rock sill
- ✓ Shoaling



# QUESTIONS?





# ROCK ISLAND DISTRICT JUNE 2024 FLOOD RESPONSE BRIEF FOR SAME

Sarah Jones  
Chief of Emergency Management Division  
September 2024



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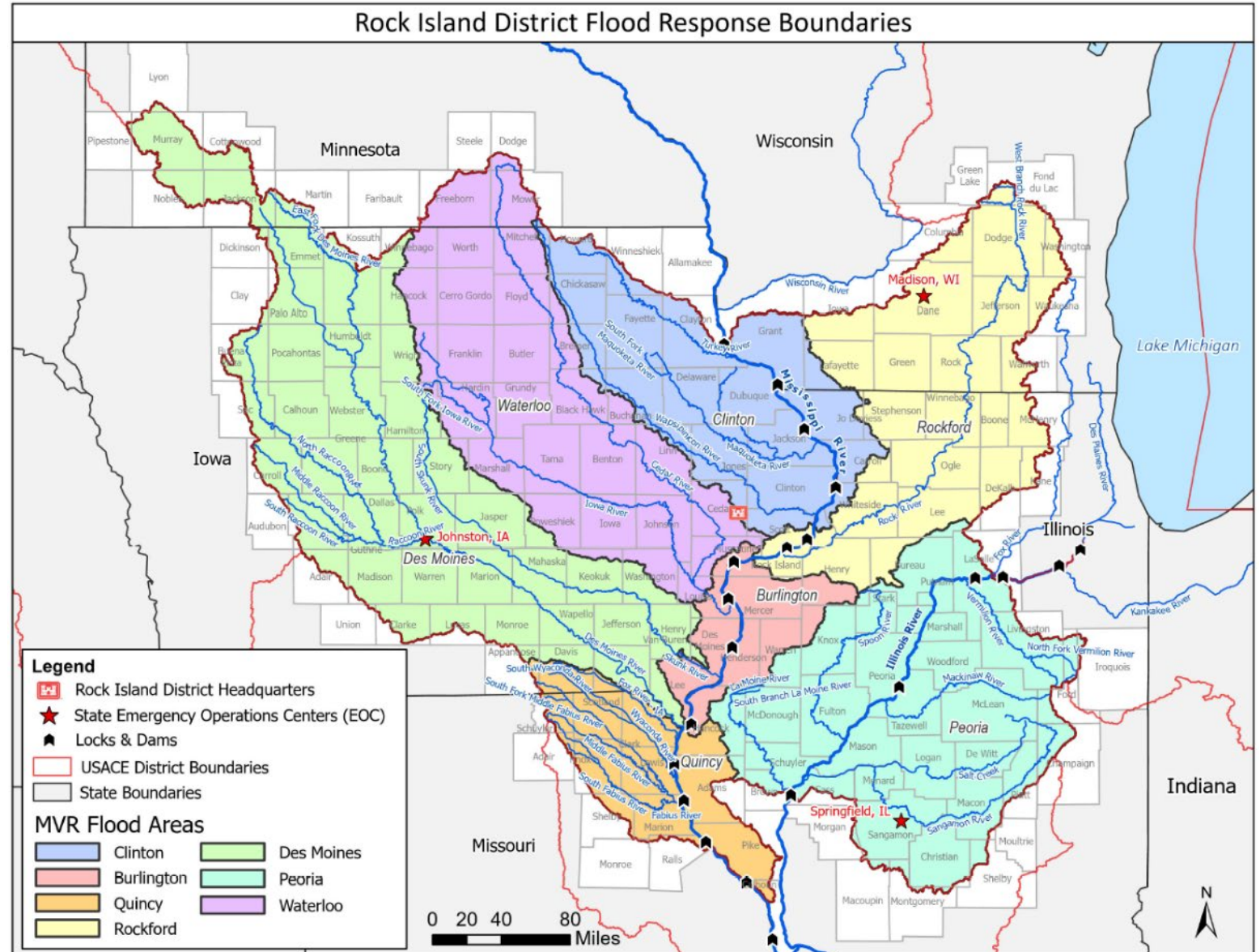
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# PRESENTATION OUTLINE

- Event Summary
- MVR Response Operations
- Key Engagements
- Performance Data Collection
- Support to Others
- New PL 84-99 Repair Projects
- Lessons Learned





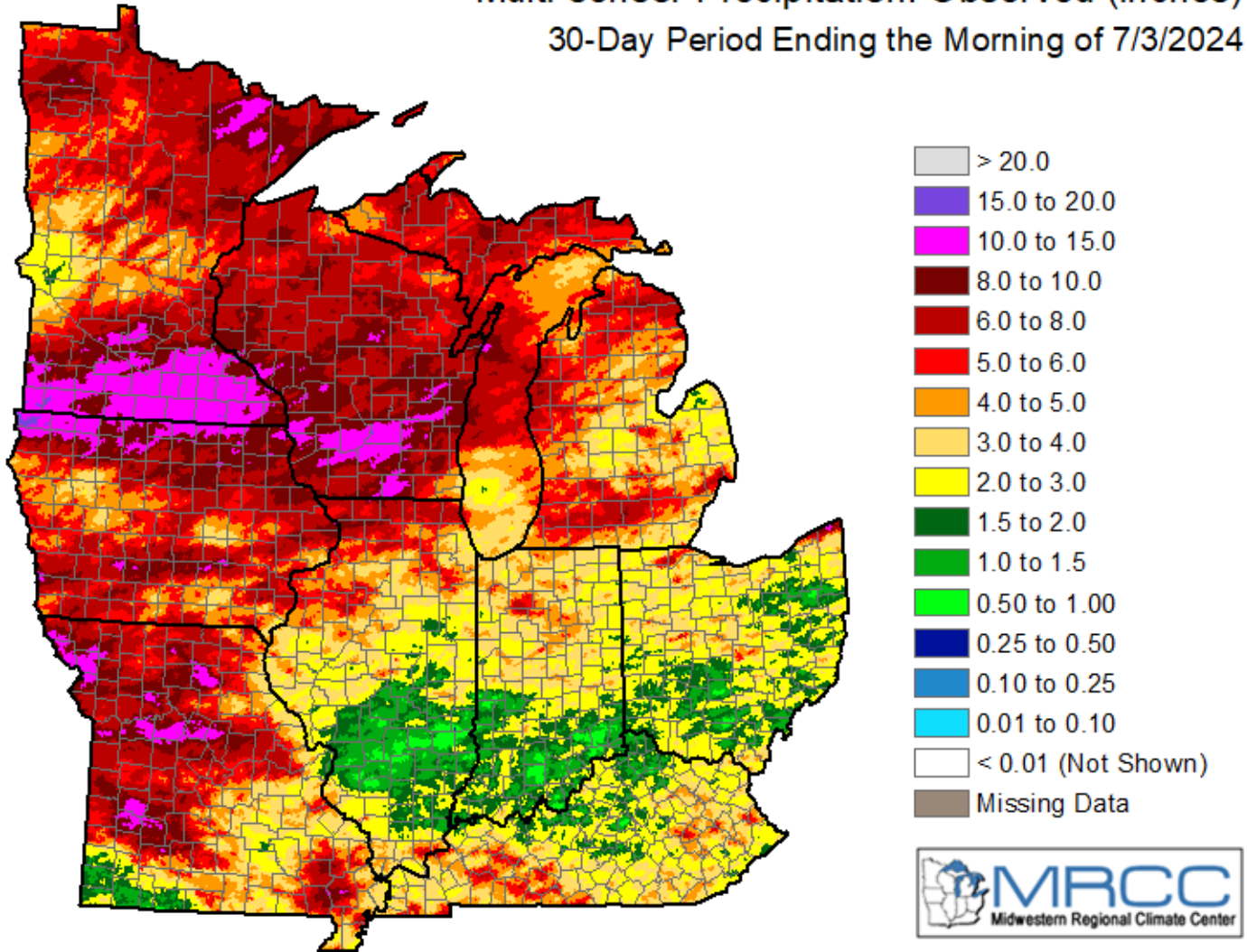


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# EVENT SUMMARY



Multi-sensor Precipitation: Observed (inches)  
30-Day Period Ending the Morning of 7/3/2024



Precipitation data from NWS AHPS: <https://water.weather.gov/precip>

- An unusually active period produced several rounds of heavy rainfall across Minnesota from June 15<sup>th</sup> through 22<sup>nd</sup>, leading to widespread totals of 4 to 11 inches in southern and southwestern portions of the state.
- June 15-22 several periods of heavy rain, leading to widespread 4-11" in southern southwest part of state.
- Record setting amounts of water sent into Des Moines watershed.
- Thru early July rainfall continued almost daily across MVP and MVR. Tributaries and Mississippi River flooding resulted.

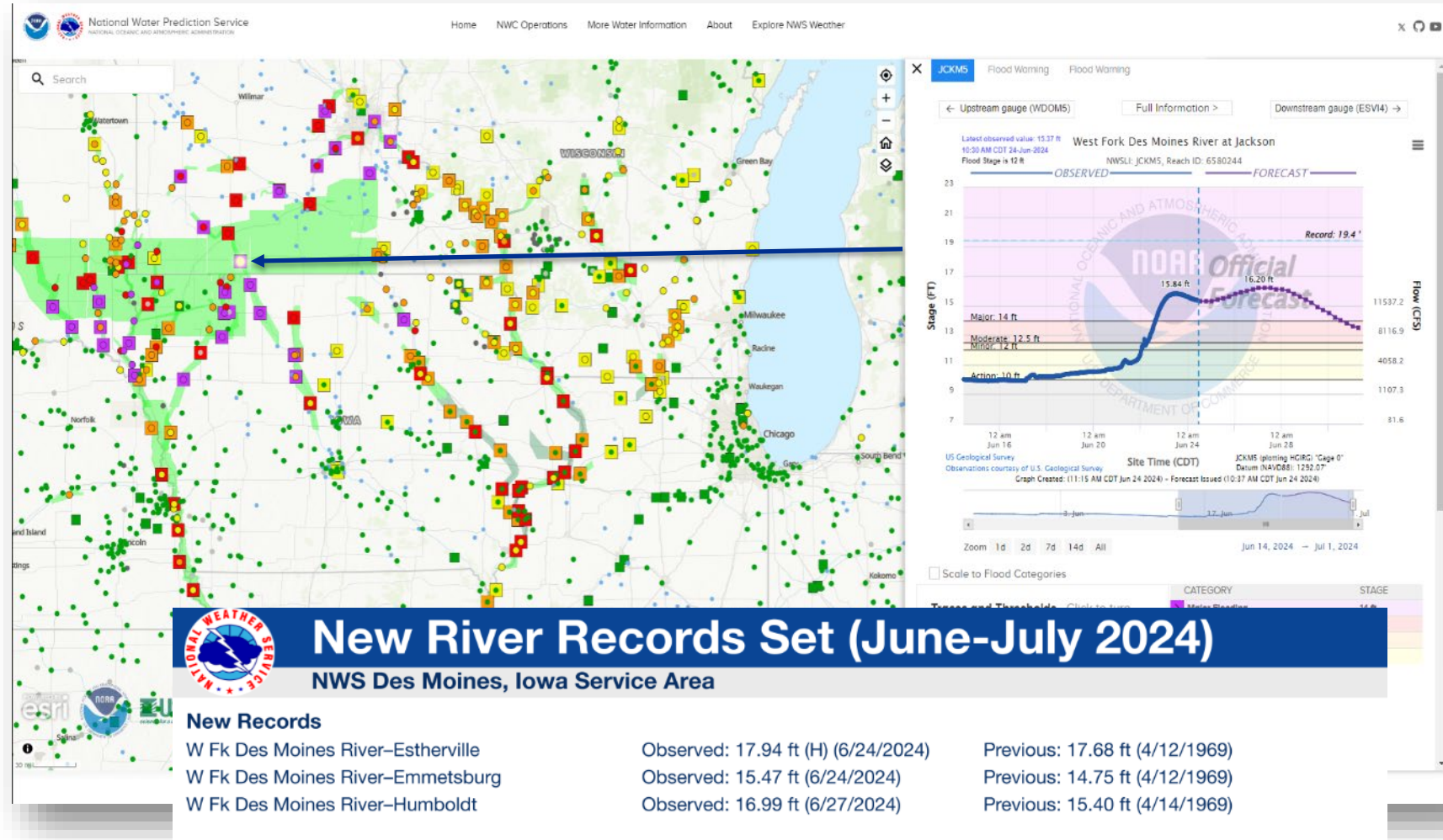


# RESPONSE OPERATIONS

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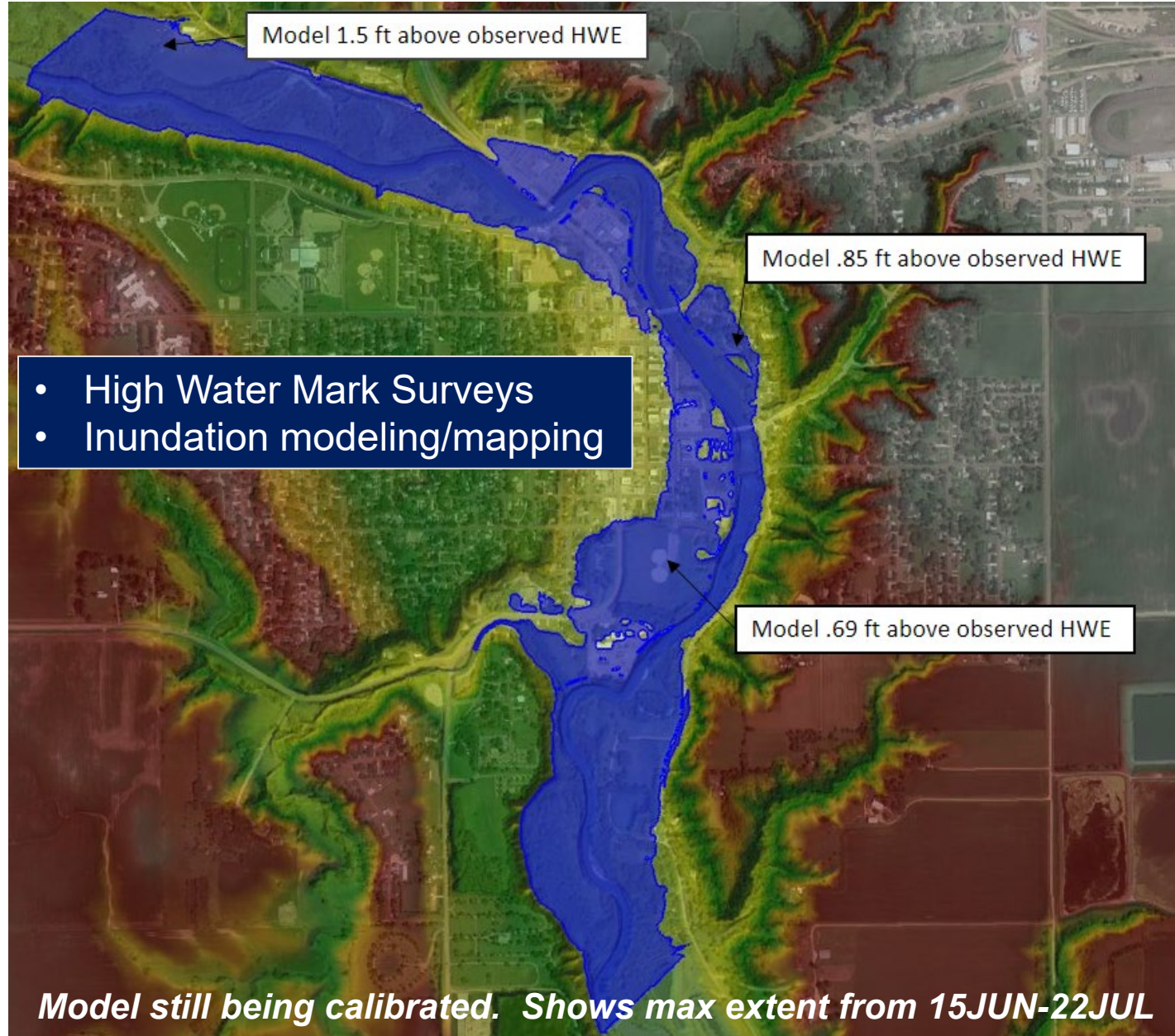


- **Emergency Declaration:** 24 Jun 24
- **Activation Trigger:** Request for technical assistance from Jackson, MN concerning bridge stability and temporary measures at water treatment plant
- **Flood Area:** Des Moines
- **Population:** Jackson, MN (3500)
- **Federal project(s):** None
- **Support provided:** Structural and Geotechnical Engineer, 2 assistant flood area engineers, 2800 large sandbags, just-in-time training





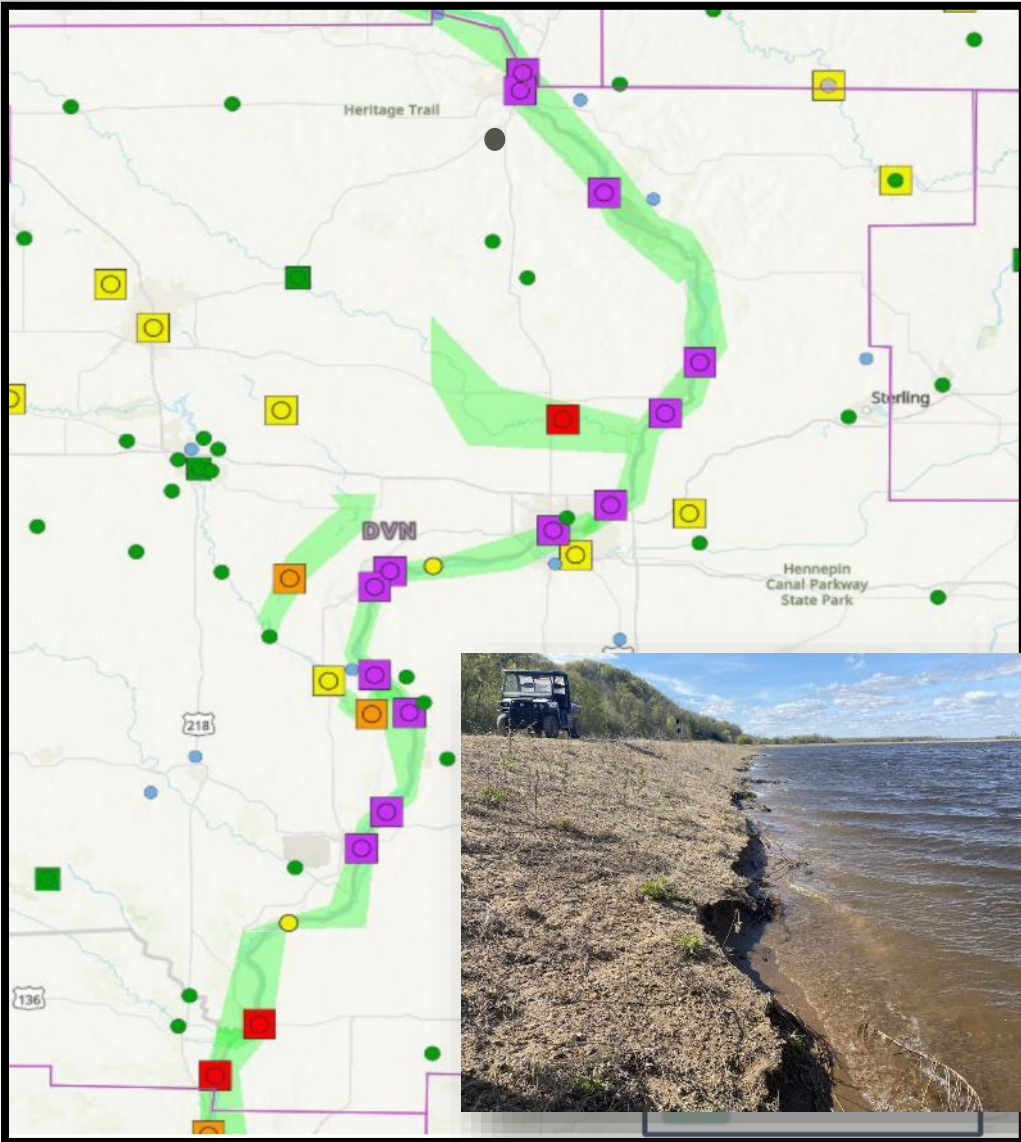
# ★ RESPONSE OPERATIONS DES MOINES RIVER







# RESPONSE OPERATIONS MISSISSIPPI RIVER



### Mississippi River Crests and Historical Rankings

Gage	Flood Stage (ft)	Crest (ft)	Crest Date	Rank
L&D 11 (Dubuque, IA)	16.0	20.85	06July2024	12
Dubuque, IA	17.0	22.30	06July2024	12
L&D 12 (Bellevue, IA)	17.0	20.18	07July2024	7
L&D 13 (Fulton, IL)	16.0	20.06	08July2024	12
Camanche, IA	17.0	21.42	09July2024	9
L&D 14 (Le Claire, IA)	11.0	14.42	09July2024	11
L&D 15 (Rock Island, IL)	15.0	20.16	10July2024	10
L&D 16 (Illinois City, IL)	15.0	20.11	10July2024	10
Muscatine, IL	16.0	21.46	11July2024	11
L&D 17 (New Boston, IL)	15.0	20.82	11July2024	11
Keithsburg, IL	14.0	19.02	12July2024	14
L&D 18 (Gladstone, IL)	10.0	16.88	12July2024	10
Burlington, IA	15.0	20.48	12July2024	11
L&D 19 (Keokuk, IA)	16.0	18.15	07July2024	-
Gregory Landing, MO	15.0	19.41	07July2024	-
L&D 20 (Canton, MO)	15.0	18.81	07July2024	-
Quincy, IL	19.0	21.83	08July2024	-
L&D 21 (Quincy, IL)	18.0	21.16	08July2024	-
Hannibal, MO	17.0	22.42	08July2024	-
L&D 22 (Saverton, MO)	16.0	21.07	09July2024	-

**Flood Related Lock Closures: 9  
From June 12-21**

**Increased Risk: Six 2023 PL 84-99 damaged levees await repair**

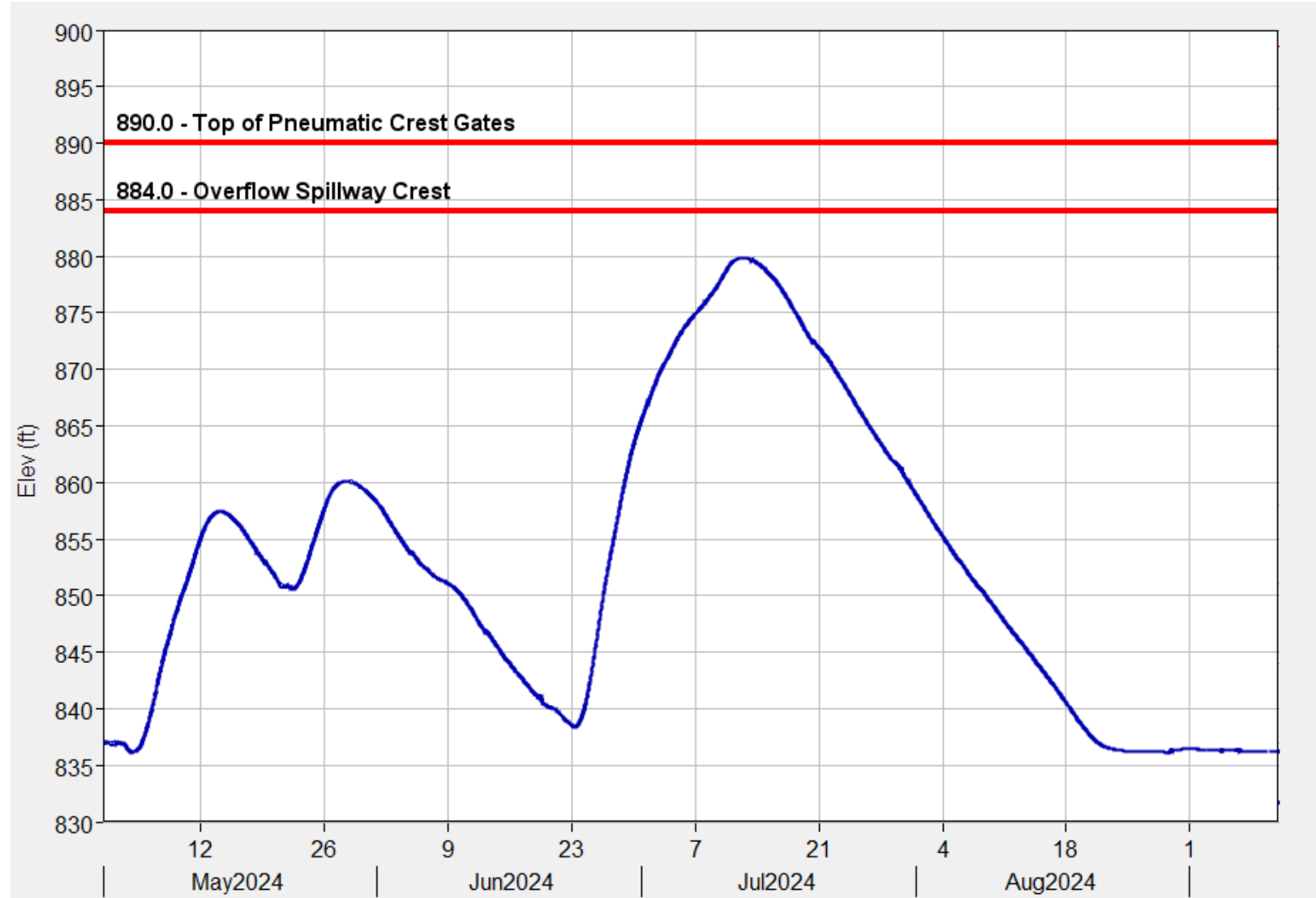


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# RESPONSE OPERATIONS SAYLORVILLE LAKE



Saylorville Lake  
(Des Moines River)  
Crested on 12 July  
2024 with 73% of  
the flood storage  
utilized







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# KEY ENGAGEMENTS







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# LEVEE PERFORMANCE DATA

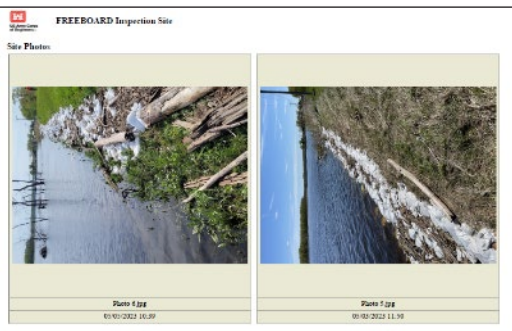
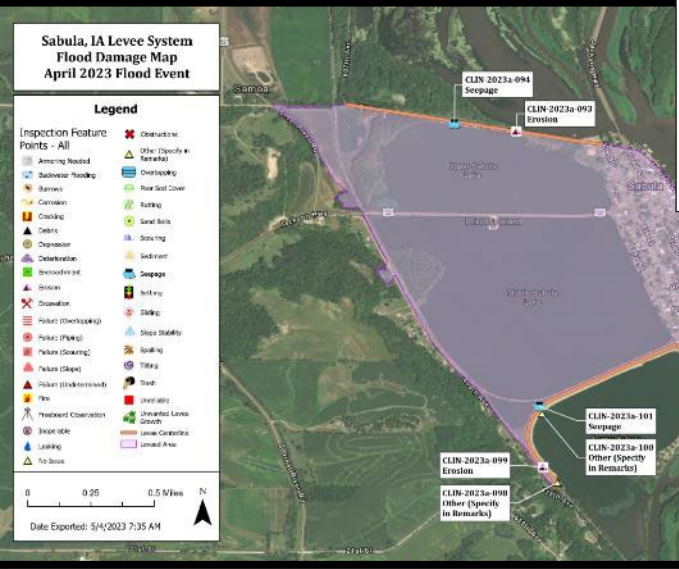
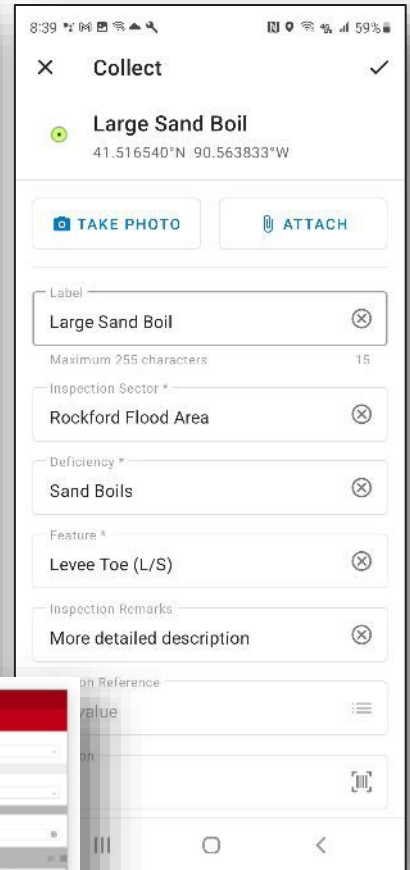
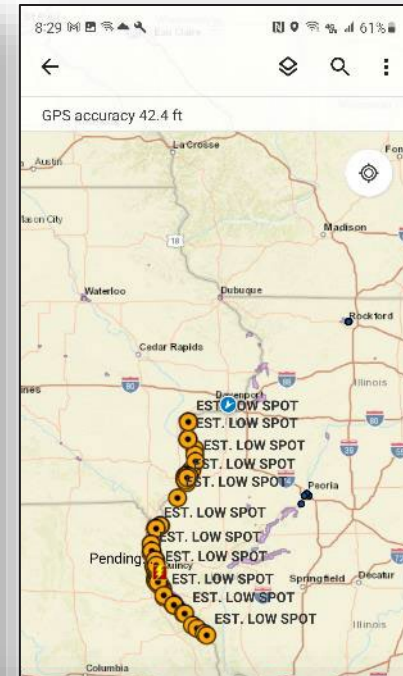


Collected by flood teams using a mobile app: ESRI Field Maps

Viewable live over multiple platforms, field and office based

## Uses

- Rapid PL 84-99 rehabilitation eligibility determinations
- Risk informed decisions based on past performance data
- Support future repair strategies with well documented performance history
- Flood area knowledge management



**2024 MVR Summer Flood Inspection Site**

Line Updated: 07/06/2024 14:00 by MVR\_Glenn@usace

Site ID: 1234567890  
 Location: Levee Site A  
 Date: 07/02/2024 05:18  
 Priority Level: 1  
 Latitude: 41.522279  
 Longitude: 90.523322  
 Inspector: [Name]

**Remarks**

CLIN-2023a-102 Other (Specify in Remarks)

CLIN-2023a-101 Seepage Other (Specify in Remarks)

CLIN-2023a-100 Other (Specify in Remarks)

CLIN-2023a-099 Erosion

CLIN-2023a-098 Other (Specify in Remarks)

CLIN-2023a-094 Seepage

CLIN-2023a-093 Erosion

**Field Data Viewer**

Inspection Sites

Map showing inspection sites with a legend and a list of site details on the right. The list includes 'Inspection Site Name', 'Date', 'Priority Level', 'Latitude', and 'Longitude'.



# MVR SUMMER FLOOD EVENT

# 2024

ACTIVATION: JUNE 24, 2024

FUNDING TO DATE **\$250K** FLOOD CONTROL & COASTAL EMERGENCIES (FCCE)  
**\$40K** NATIONAL FLOOD FIGHT MATERIEL CENTER (NFFMC)

ASSESSMENTS & ENGAGEMENTS | **5** STATES **32** COMMUNITIES **6** COMMANDER ENGAGEMENTS  
**22** COUNTIES **278** MILES OF LEVEES INSPECTED **0** GABION BASKET ADVISOR DEPLOYMENTS

**DAYS IN ACTIVATION**

EMERGENCY OPERATIONS CENTER | **LEVEL 3**

**14**

**ENGAGED: 31**

## NATIONAL FLOOD FIGHT MATERIEL CENTER SUPPLIES & EQUIPMENT

**SANDBAGS**  
 ON HAND: **4.79M**  
 ISSUED: **2,800**

**PUMPS**  
 ON HAND: **90**  
 ISSUED: **3**

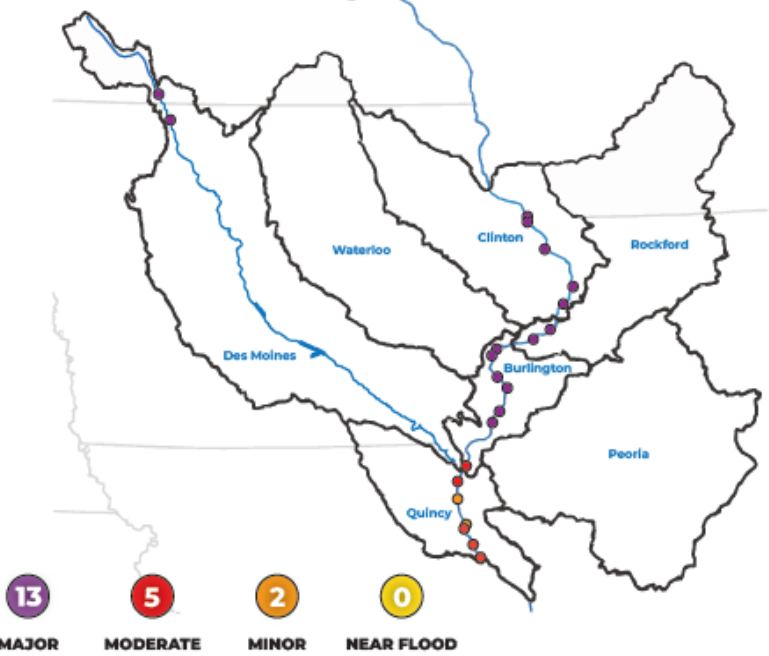
**TEMPORARY FLOOD BARRIERS**  
 ON HAND: **27.2K** Ln. Ft.  
 ISSUED: **0** Ln. Ft.

**POLY ROLLS**  
 ON HAND: **1,024**  
 ISSUED: **650**

**CULVERT PLUGS**  
 ON HAND: **7**  
 ISSUED: **3**

**SANDBAG FILLING MACHINES**  
 ON HAND: **3**  
 ISSUED: **0**

## FLOOD AREAS | CURRENT GAGE STATUS



Gage	Flood Stage (ft)	Current Stage (ft)	Crest Forecast (ft)	Anticipated Crest Date
L&D 11 (Dubuque, IA)	16.0	20.7	CRESTED	7/6/2024
Dubuque, IA	17.0	22.2	CRESTED	7/6/2024
L&D 12 (Bellevue, IA)	17.0	20.1	CRESTED	7/7/2024
L&D 13 (Fulton, IL)	16.0	20	20.1	7/8/2024
Camanche, IA	17.0	21.4	21.3	7/8/2024
L&D 14 (Le Claire, IA)	11.0	14.3	14.4	7/9/2024
L&D 15 (Rock Island, IL)	15.0	20.0	20	7/8/2024
L&D 16 (Illinois City, IL)	15.0	19.8	20	7/9/2024
Muscatine, IA	16.0	21.1	21.4	7/9/2024
L&D 17 (New Boston, IL)	15.0	20.3	20.4	7/9/2024
Keithsburg, IL	14.0	18.5	18.7	7/10/2024
L&D 18 (Gladstone, IL)	10.0	15.8	16	7/10/2024
Burlington, IA	15.0	20	20.3	7/11/2024
L&D 19 (Keokuk, IA)	16.0	18.1	18.5	7/12/2024
Gregory Landing, MO	15.0	19.4	19.6	7/12/2024
L&D 20 (Canton, MO)	15.0	18.8	19	7/13/2024
Quincy, IL	19.0	21.7	22.2	7/13/2024
L&D 21 (Quincy, IL)	18.0	21	21.3	7/13/2024
Hannibal, MO	17.0	22.3	22.5	7/9/2024
L&D (Saverton, MO)	16.0	20.8	21.1	7/9/2024

## RECREATION AREAS

Mississippi River **15** **15** **1**  
 CLOSED / OPEN / PARTIAL  
 Saylorville Lake **15** **15** **15**  
 CLOSED / OPEN / PARTIAL

## MISSISSIPPI LOCKS | CLOSED



SCAN THE QR CODE TO VISIT ROCK ISLAND DISTRICT'S FLOOD INFORMATION WEBSITE



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# SUPPORT TO OTHERS



**National Flood Fight Materiel Center**



**ESF #3 Support to FEMA and Iowa**

RECEIVING DISTRICT	PUMPS	POLY SHEETING	HESCO	SANDBAGS	HESCO ADVISOR # DAYS
MVP	1				
NWO		650			
SPA	2		2700	225000	5
SPL			1800		
SWG		25		182000	
<b>TOTAL</b>	<b>3</b>	<b>675</b>	<b>4500</b>	<b>407000</b>	<b>5</b>



- **Critical Public Facilities:** school site assessments
- **Temporary Housing:** site assessment and design



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# TOP 3 LESSONS LEARNED

12



- Plan for earlier deployment of teams where there is no historical documentation of response effort (improve).
- Expand outreach events along upper tributaries/states. Where there were no federal projects there appeared to be a lack of knowledge of USACE capabilities (improve).
- Initiate recovery operations planning early during response phase (sustain).



# Meeting Close

- Split Kitty Drawing
- PDHs available from the Omaha Post Website
  - ▶ <https://www.same.org/omaha/resources/>