

MISSISSIPPI RIVER MANAGERS MEETING 2023

Daniel M Fasching
Primary Mississippi River Regulator
US Army Corps of Engineers
St Paul District
332 Minnesota Street, Suite E1500
St. Paul, Minnesota 55101
651-290-5786



US Army Corps
of Engineers®



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U.S. ARMY CORPS OF ENGINEERS

**MISSISSIPPI
VALLEY DIVISION**

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NWS PROBABILISTIC OUTLOOK THROUGH APRIL 2023



Lock & Dam #	Gates in/out of the water	Exceedance Probability of pulling gates	Closes to Commercial Navigation Flows (cfs)	Exceedance Probability Closed to Navigation
USAF	52,000	8%	40,000	NA
LSAF	32,000	50%	40,000	35%
1	NA	NA	40,000	35%
2	61,000	33%	116,000	4%
3	36,000	99%	125,000	15%
4	89,000	90%	160,000	20%
5	116,000	75%	188,000	10%
5A	57,000	99%	183,000	11%
6	76,000	97%	200,000	7%
7	89,000	92%	235,000	5%
8	96,000	92%	225,000	6%
9	64,000	99%	220,000	6%
10	73,000	99%	238,000	7%

Source : NWS - North Central River Forecast Center, conditions as of 1/23/2023



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EMERGENCY SITUATIONS REMINDER



3

- Interventions involving gate manipulations are justified only in an emergency situation.
- According to MVD deviation categories an “emergency situation” is defined as follows:

“a circumstance where failure to act immediately could result in catastrophe, such as loss of life or significant property damage.”

Industry should only count on such interventions if an emergency is declared by lock staff



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IMPORTANT LINKS



- National Public Data Available Here:
<https://water.usace.army.mil/a2w/f?p=100:1:.....>
- Historic data is available to public at
<http://www.mvp-wc.usace.army.mil/>





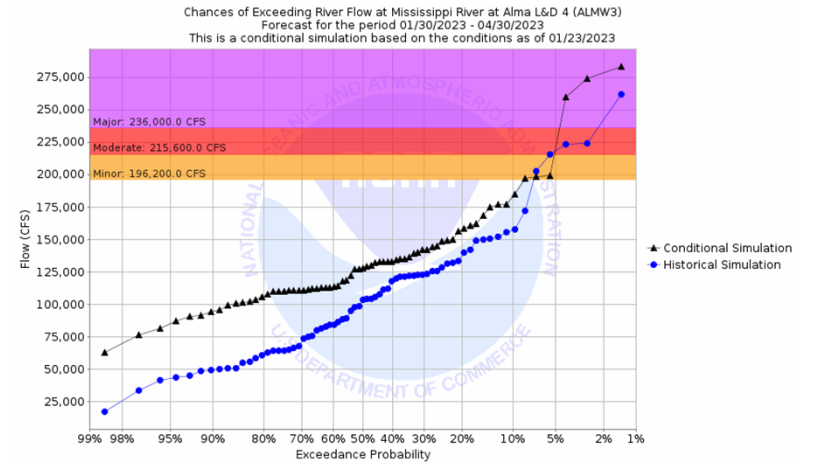
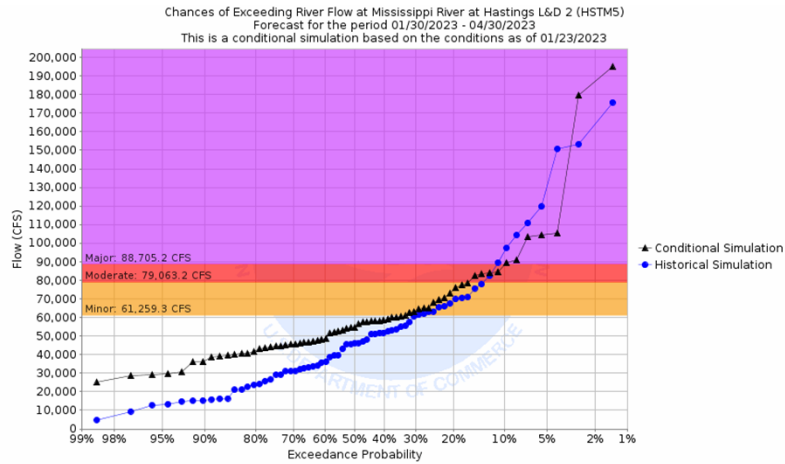
QUESTIONS?



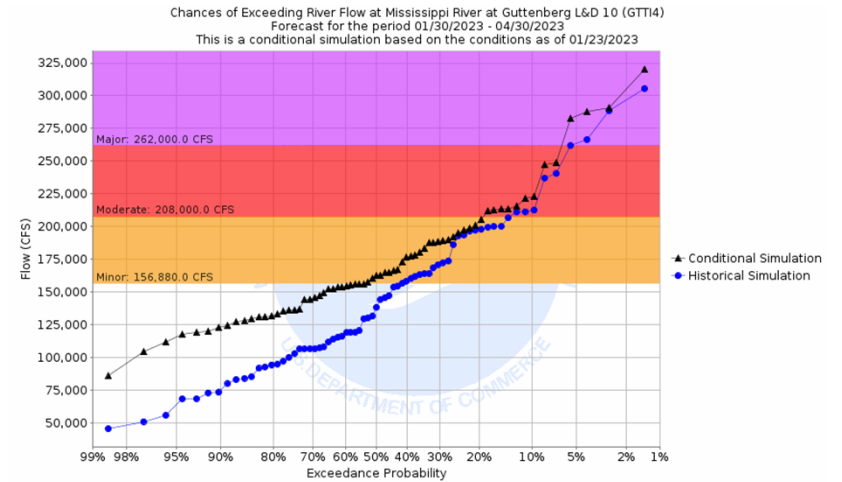
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EXCEEDANCE PLOTS



- The chance for flooding is close to the historic average.
- The higher likelihood of flooding south of LD 3 reflects the observed snowpack.



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