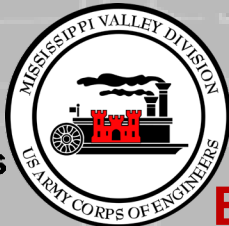


# MISSISSIPPI RIVER MANAGERS MEETING 2022

Daniel M Fasching  
Primary Mississippi River Regulator  
US Army Corps of Engineers  
St Paul District  
180 5th Street East, Suite 700  
St Paul, MN 55101-1678  
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 2022



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	12%	40,000	NA
LSAF	32,000	60%	40,000	35%
1	NA	NA	40,000	35%
2	61,000	45%	116,000	4%
3	36,000	98%	125,000	11%
4	89,000	75%	160,000	10%
5	116,000	50%	188,000	6%
5A	57,000	97%	183,000	7%
6	76,000	89%	200,000	5%
7	89,000	75%	235,000	4%
8	96,000	75%	225,000	4%
9	64,000	98%	220,000	4%
10	73,000	99%	238,000	7%

Source : NWS - North Central River Forecast Center, conditions as of 1/31/2022



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# EMERGENCY SITUATIONS



- 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**







# IMPORTANT LINKS



- Public Data Available Here: (live data only)  
<http://water.usace.army.mil/a2w/f?p=100:1:0:>
- Historic data is available to public at  
<http://www.mvp-wc.usace.army.mil/>



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# QUESTIONS?



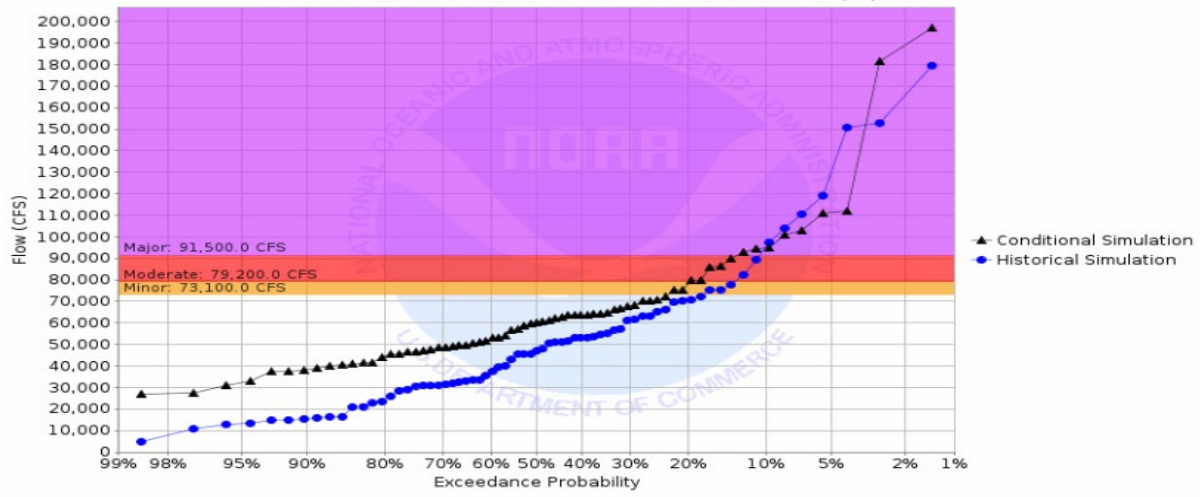
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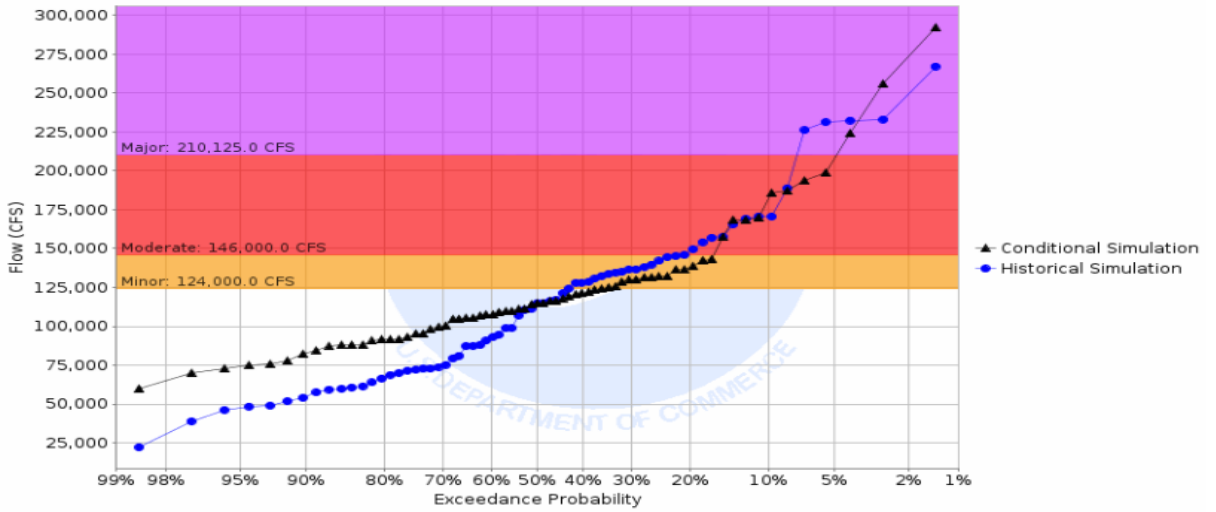
# LET'S TALK EXCEEDANCE PLOTS



Chances of Exceeding River Flow at Mississippi River at St Paul - Roberts St Brdg (STPM5)  
Forecast for the period 01/31/2022 - 05/01/2022  
This is a conditional simulation based on the conditions as of 01/24/2022

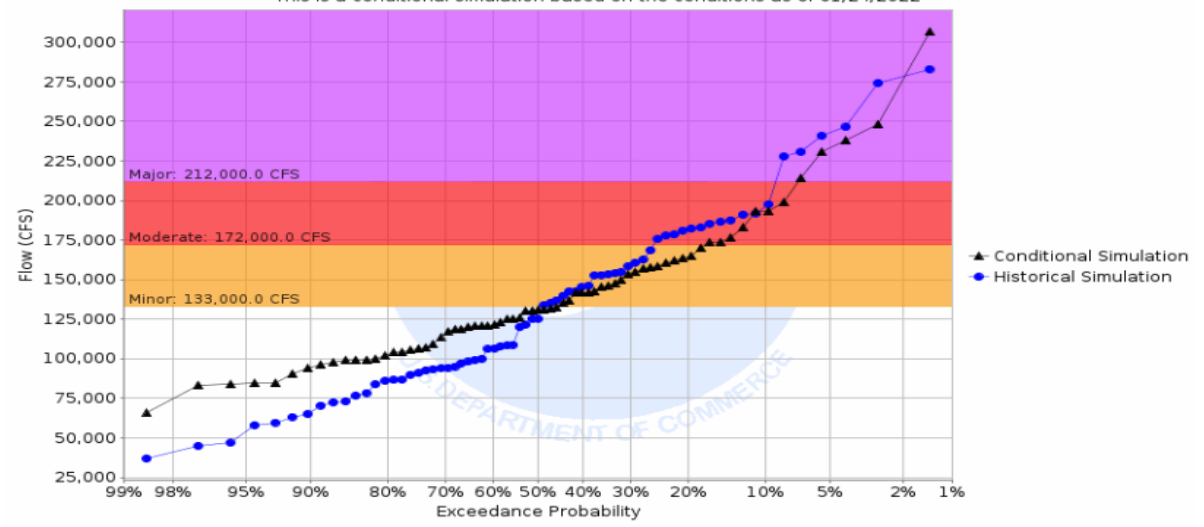


Chances of Exceeding River Flow at Mississippi River at La Crosse (Pool 8 CP) (LACW3)  
Forecast for the period 01/31/2022 - 05/01/2022  
This is a conditional simulation based on the conditions as of 01/24/2022



- The chance for flooding is close to the historic average.
- The higher likelihood of flooding in the upper end of the basin reflects the observed snowpack.

Chances of Exceeding River Flow at Mississippi River at McGregor (MCGI4)  
Forecast for the period 01/31/2022 - 05/01/2022  
This is a conditional simulation based on the conditions as of 01/24/2022



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