

Bottom Line Up Front:

- Significant (moderate or major) flooding is not likely anywhere.
- Mississippi River: Minor flooding likely at Louisiana and Clarksville, and at Chester, but not likely elsewhere. This is a below average risk.
- **Missouri River:** Minor flooding likely from Chamois to St. Charles, but not at Jefferson City. This is a below average risk.
- Illinois River: Minor flooding likely by early May (normal risk).
- Local tributaries: Near average flood risk, with flooding unlikely in most locations.

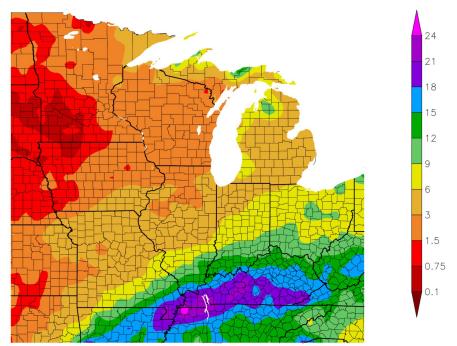


Factors we look at for spring flooding:

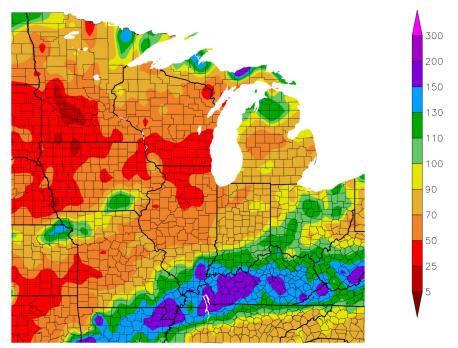
- Precipitation in major river basins
- Snowpack in major river basins
- Soil moisture in area basins
- Current flow in area rivers



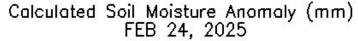
Precipitation (in) 11/27/2024 - 2/24/2025

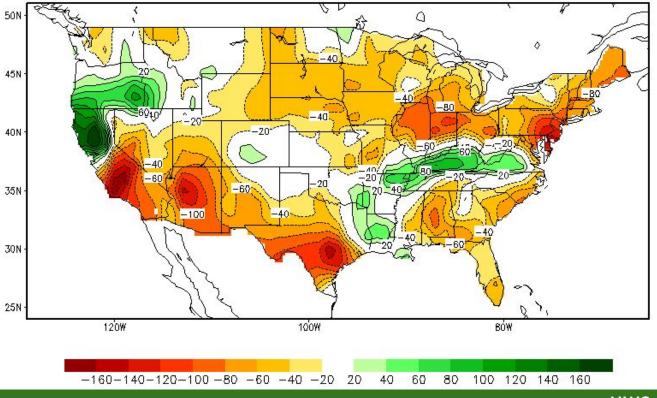


Percent of Normal Precipitation (%) 11/27/2024 - 2/24/2025

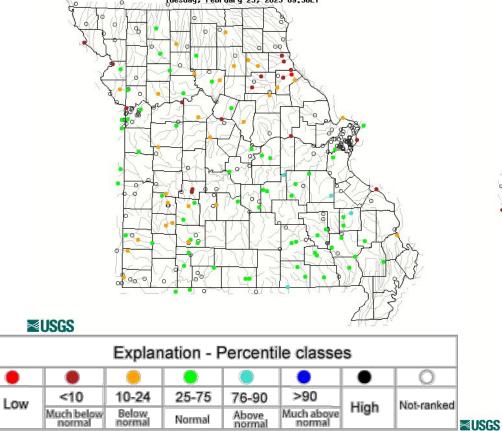


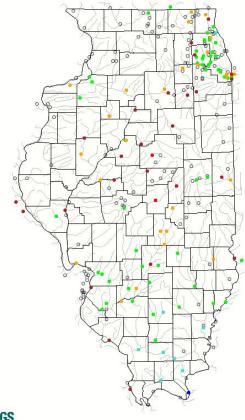
Spring Flood Outlook 2023 - Soil Moisture Percentiles





Spring Flood Outlook 2023 - Streamflow Juesday, February 25, 2025 09;30ET

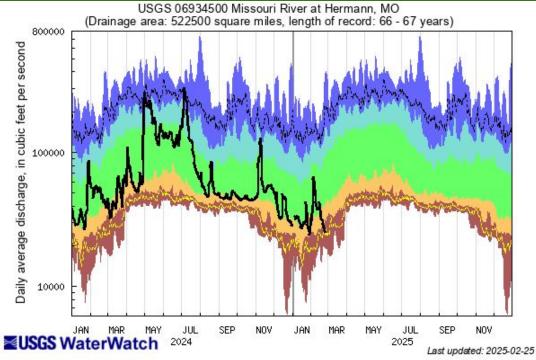




Tuesday, February 25, 2025 10:30ET



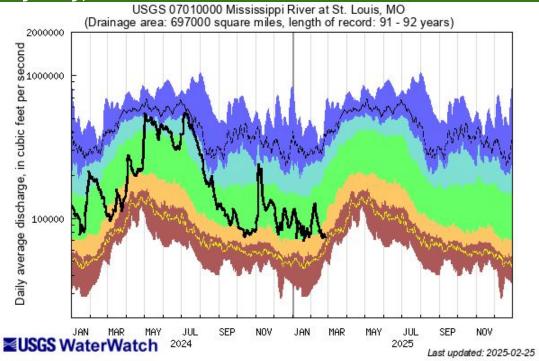
Missouri River at Hermann, MO



Explanation - Percentile classes								
4 2								
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flaw	
Much below Normal		Below normal	Normal	Above normal	Much above normal		1 124	



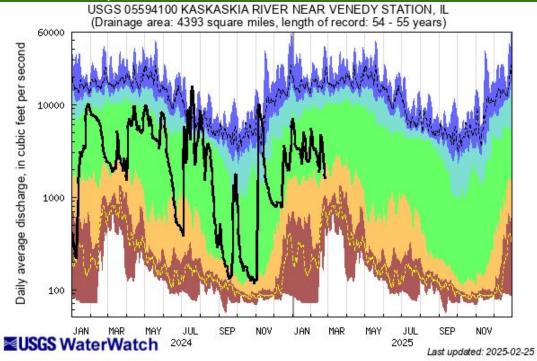
Illinois River at Valley City, IL



Explanation - Percentile classes								
4 2								
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow	
Much below Normal		Below normal	Normal	Above normal	Much above normal		1 152-15	

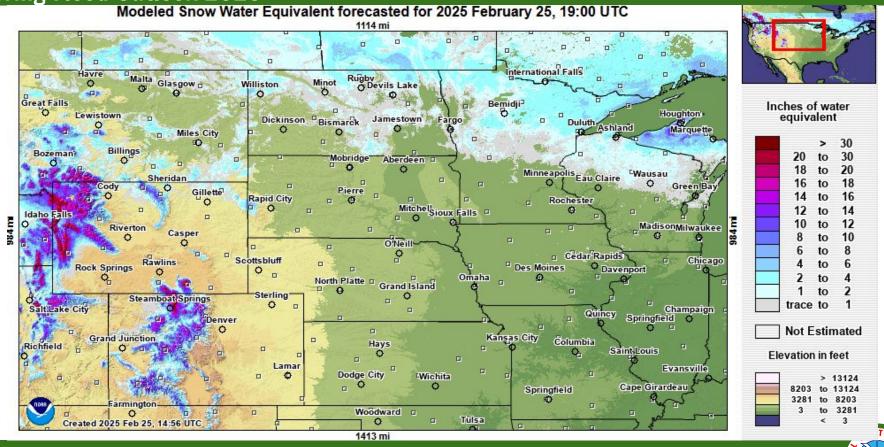


Mississippi River at St. Louis, MO



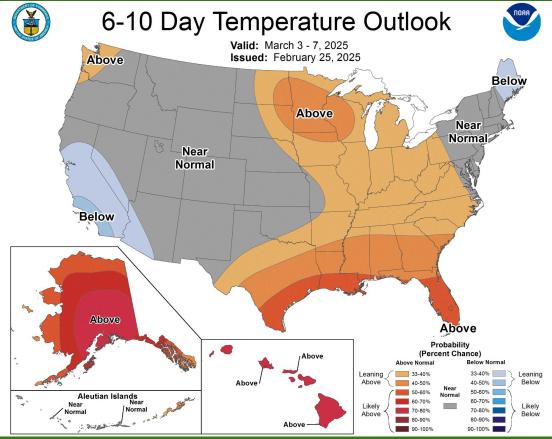
Explanation - Percentile classes								
2								
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow	
Much below Normal		Below normal	Normal	Above normal	Much above normal		1 15248	



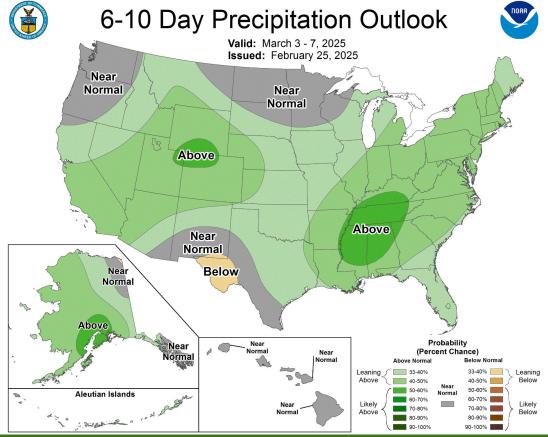




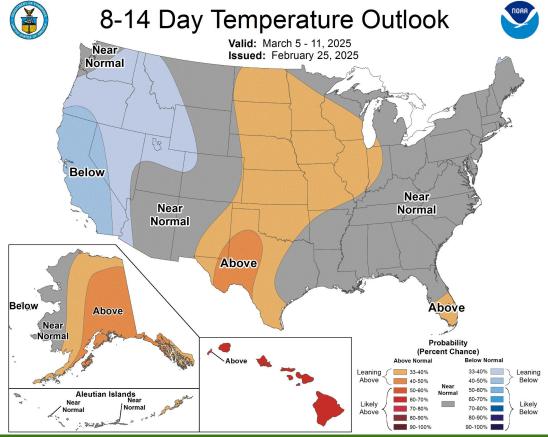
6-10 Day Temperature Outlook



6-10 Day Precipitation Outlook

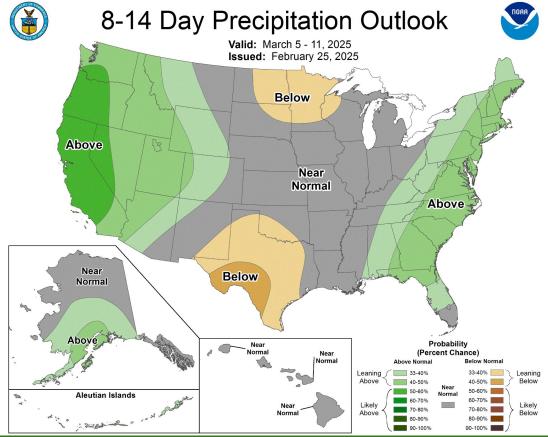


8-14 Day Temperature Outlook

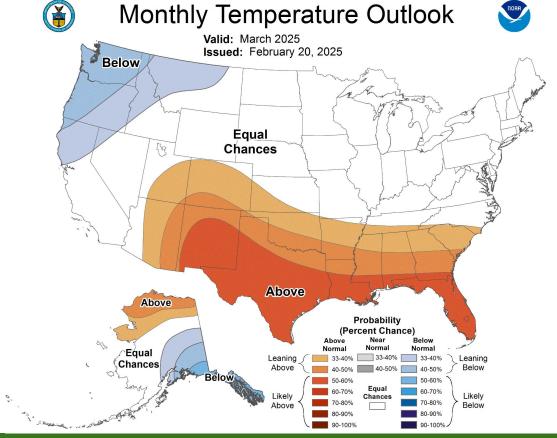




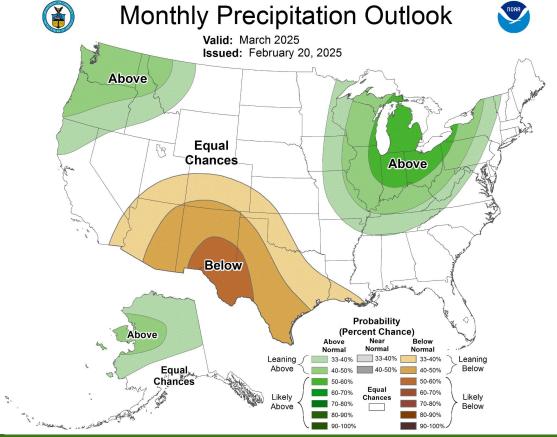
8-14 Day Precipitation Outlook



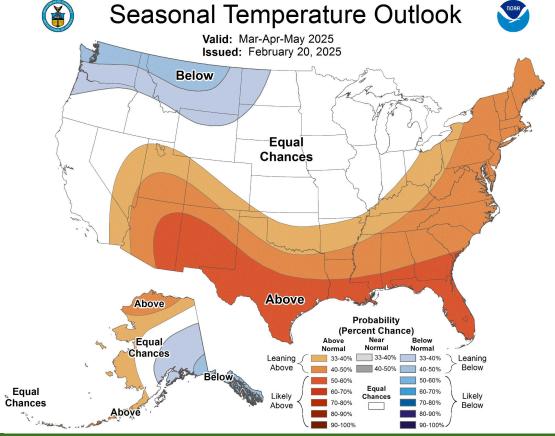
March Temperature Outlook



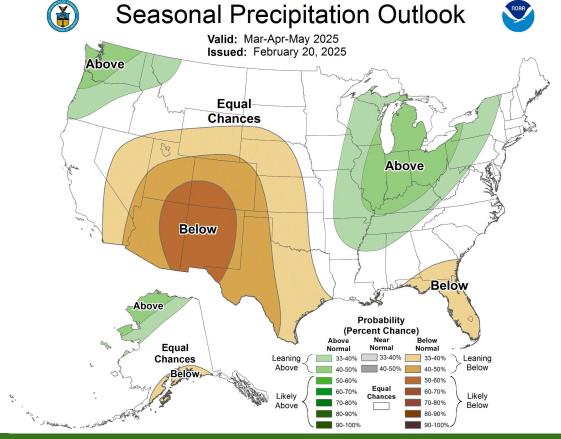
March Precipitation Outlook



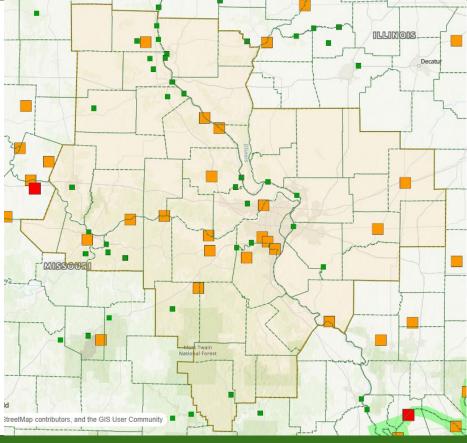
90-Day Temperature Outlook (March-May)



90-Day Precipitation Outlook (March-May)



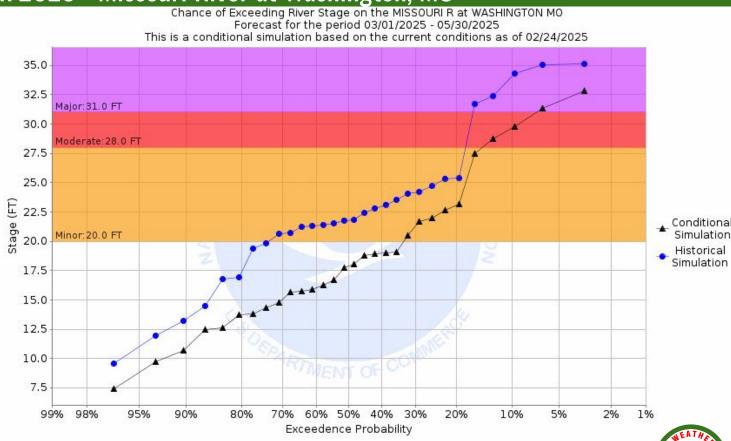






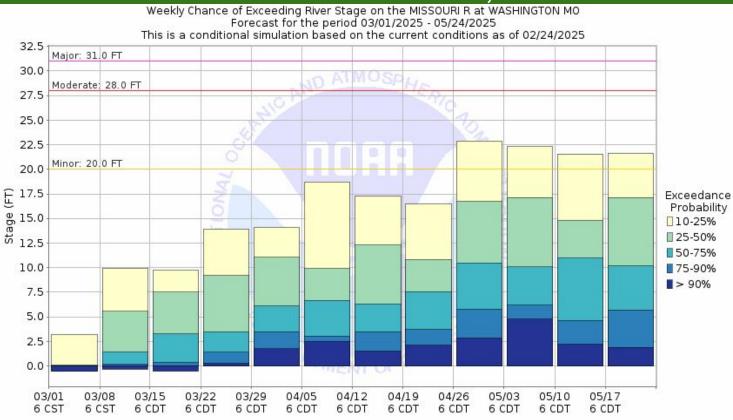
Spring Flood Outlook 2025 - Missouri River at Washington, MO

- The chance of exceeding minor flood stage is 33%, which is 41% below the historical average.
- The chance of exceeding moderate flood stage is 15%, 3% below the historical average.



NWS St. Louis

Spring Flood Outlook 2025 - Missouri River at Hermann, MO



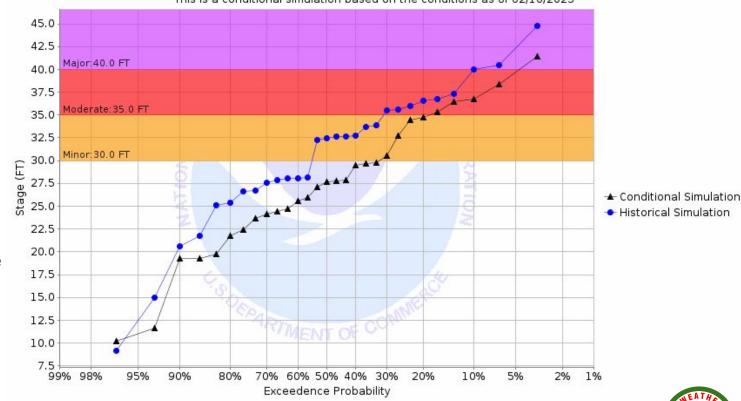
Date

Spring Flood Outlook 2025 - Mississippi River at St. Louis, MO

Chance of Exceeding River Stage at Mississippi River at St Louis (Eads Bridge) (EADM7) Forecast for the period 02/17/2025 - 05/18/2025

This is a conditional simulation based on the conditions as of 02/10/2025

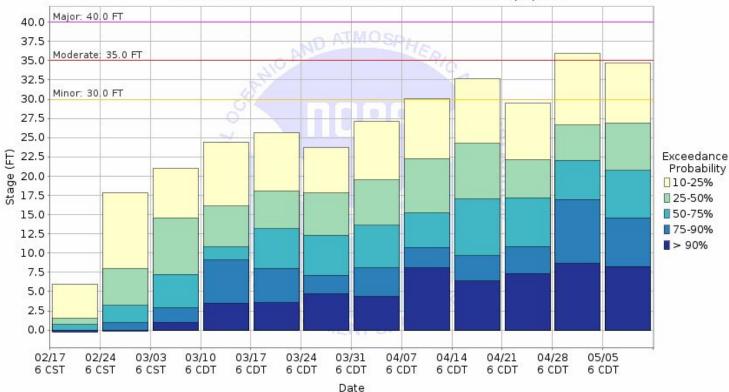
- Like much of the upper Mississippi, the probability of minor flooding is 32%, 23% below the historical average.
- For significant (moderate or major) flooding, the chances are also below normal.





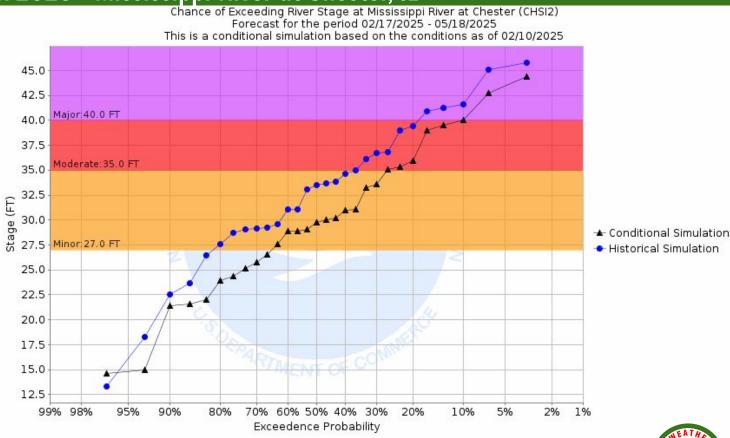
Spring Flood Outlook 2025 - Mississippi River at St. Louis, MO

Weekly Chance of Exceeding River Stage at Mississippi River at St Louis (Eads Bridge) (EADM7)
Forecast for the period 02/17/2025 - 05/18/2025
This is a conditional simulation based on the conditions as of 02/10/2025



Spring Flood Outlook 2025 - Mississippi River at Chester, IL

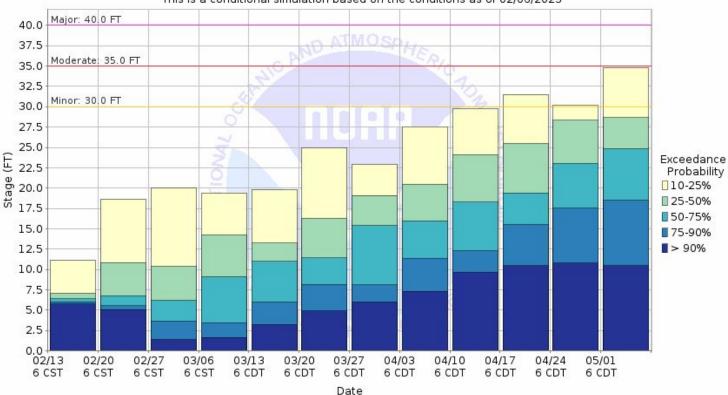
- Minor Flooding likely at 65%, but that's 17% below the historical average.
- Chance of moderate flooding is 27%, 10% below the historical average.





Spring Flood Outlook 2025 - Mississippi River at Chester, IL

Weekly Chance of Exceeding River Stage at Mississippi River at St Louis (Eads Bridge) (EADM7) Forecast for the period 02/13/2023 - 05/14/2023 This is a conditional simulation based on the conditions as of 02/06/2023



Near Term River Probabilities - Hydrologic Ensemble Forecast Service (HEFS)

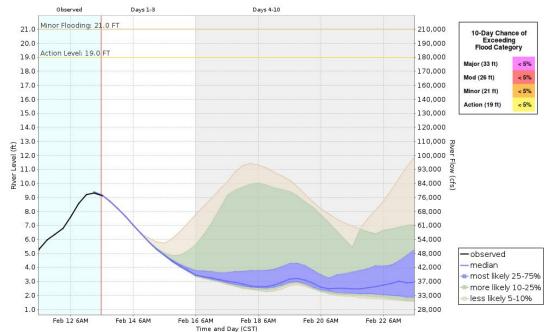
HEFS - 10 Day River Level Probabilities

Based on Hydrologic Ensemble Forecast Service Model Simulations Used to Estimate the Range of Possible River Levels



Feb 13 - Feb 23, 2023

MISSOURI R at HERMANN MO MKC DCP



Model runtime: 05:30 AM CST Feb 13 2023 Missouri Basin River Forecast Center



Spring Flood Outlook 2022 - Contingency/Ensemble Forecasts

How confident should we be in this forecast?

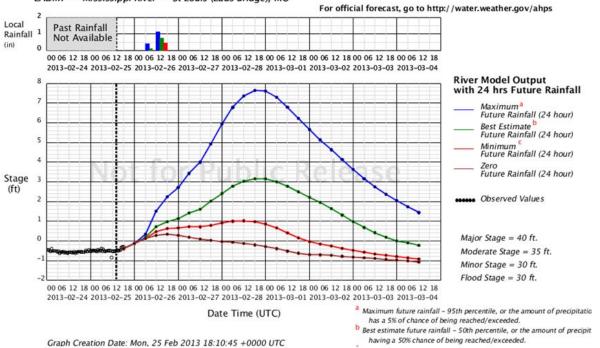
http://www.weather.gov/crh/rfc_ensemble



Spring Flood Outlook 2025 - Contingency/Ensemble Forecasts 24 hours QPF

Preliminary River Model Output - Use with Caution

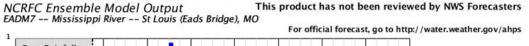
NCRFC Ensemble Model Output This product has not been reviewed by NWS Forecasters EADM7 -- Mississippi River -- St Louis (Eads Bridge), MO

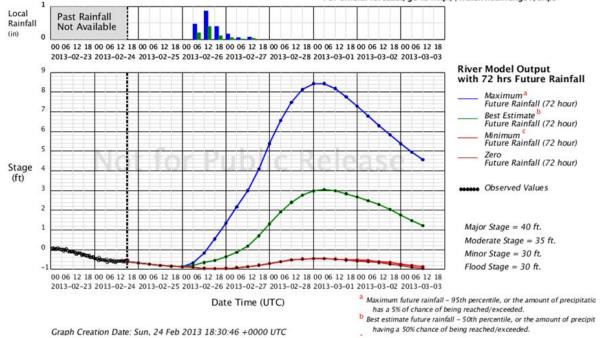




Spring Flood Outlook 2025 - Contingency/Ensemble Forecasts 72 hours of QPF

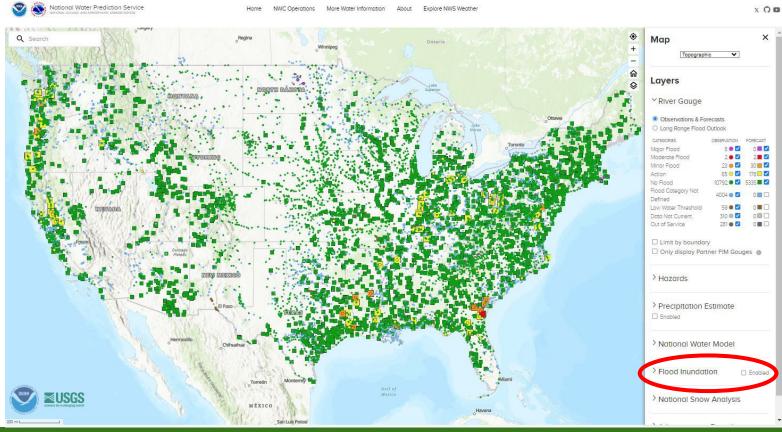
Preliminary River Model Output - Use with Caution





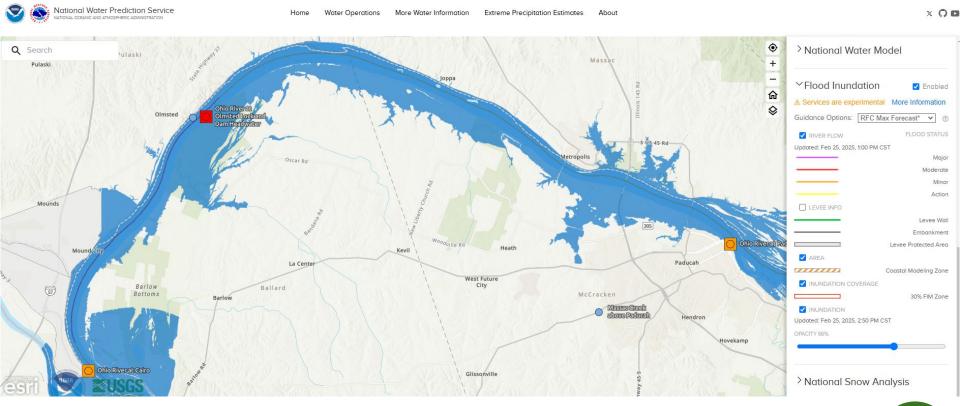


Flood Inundation Mapping Services - Went live in late September 2024





Flood Inundation Mapping Services - Went live in late September 2024





Questions???

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