

Missouri Water Resources Center

Missouri River Flood Conditions Report

Sept. 26, 2019





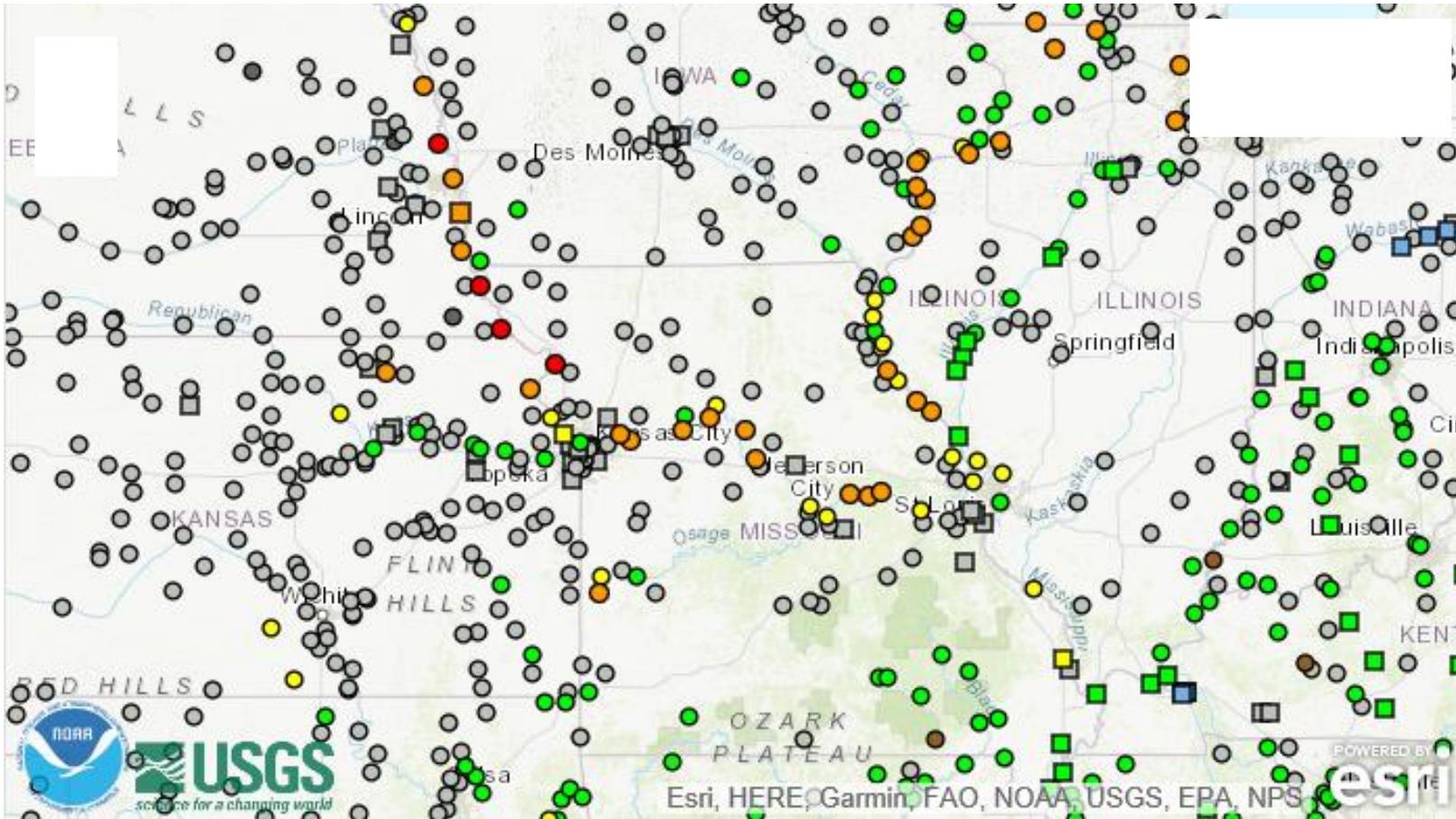
Missouri River Flooding Status

- Abundant precipitation occurred during the past couple of weeks in the Missouri River Basin upstream of the state of Missouri. This has led to runoff and rising rivers now creating moderate flooding in northwest Missouri on the Missouri River at Brownville, Nebraska, Rulo, Nebraska and St. Joseph, Missouri. Minor flooding is occurring on the Missouri River at some locations as far downstream as Hermann, Missouri. As flooding occurs on the Missouri River, notable amounts of precipitation are forecast to occur in northern Missouri during the next seven days.
- Because of levee damage caused by previous flooding, impacts may occur at lower stages than usual.
- Due to cumulative precipitation, Missouri River mainstem reservoirs are well into their flood control pools. To manage pool levels at Oahe and Fort Randall dams, the U.S. Army Corps of Engineers (Corps) is releasing 80,000 cubic feet per second (CFS) from Gavins Point Dam. The Corps has indicated elevated releases will need to continue for an extended time.
- The Corps is releasing water from both Perry Lake and Tuttle Creek Reservoir. Both Perry and Tuttle Creek lakes drain into the Kansas River before entering the Missouri River at Kansas City. Current releases are estimated to be 200 CFS at Tuttle Creek and 25 CFS at Perry Lake.
- Truman Reservoir is releasing approximately 20,000 CFS into Lake of the Ozarks. Lake of the Ozarks is not intended to retain flood waters. As a result, Bagnell Dam is releasing most of this input into the open Osage River below the dam. The Osage River flows into the Missouri River 12 miles downstream from Jefferson City.
- **Reminder:** The National Weather Service (NWS) only includes 24 hours of forecast precipitation in river forecast calculations in addition to past seven-day observed precipitation. Slide number eight in this PDF illustrates the amounts of precipitation forecast to occur during the next seven days in the state of Missouri much of which is not yet reflected in the NWS river stage forecasts.



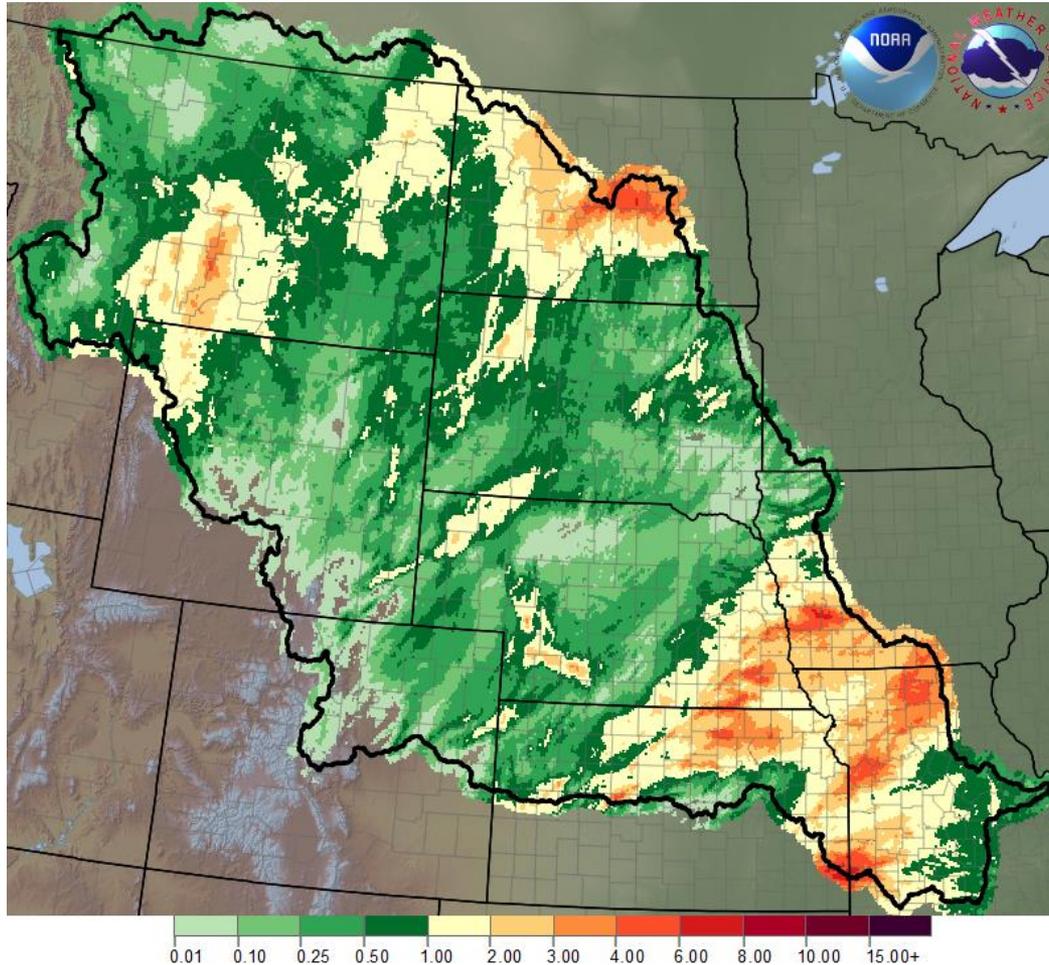


River Forecast Conditions





Seven-day Observed Precipitation



0.01 0.10 0.25 0.50 1.00 2.00 3.00 4.00 6.00 8.00 10.00 15.00+

MBRFC Estimated Precipitation Past 7 Day Accumulation

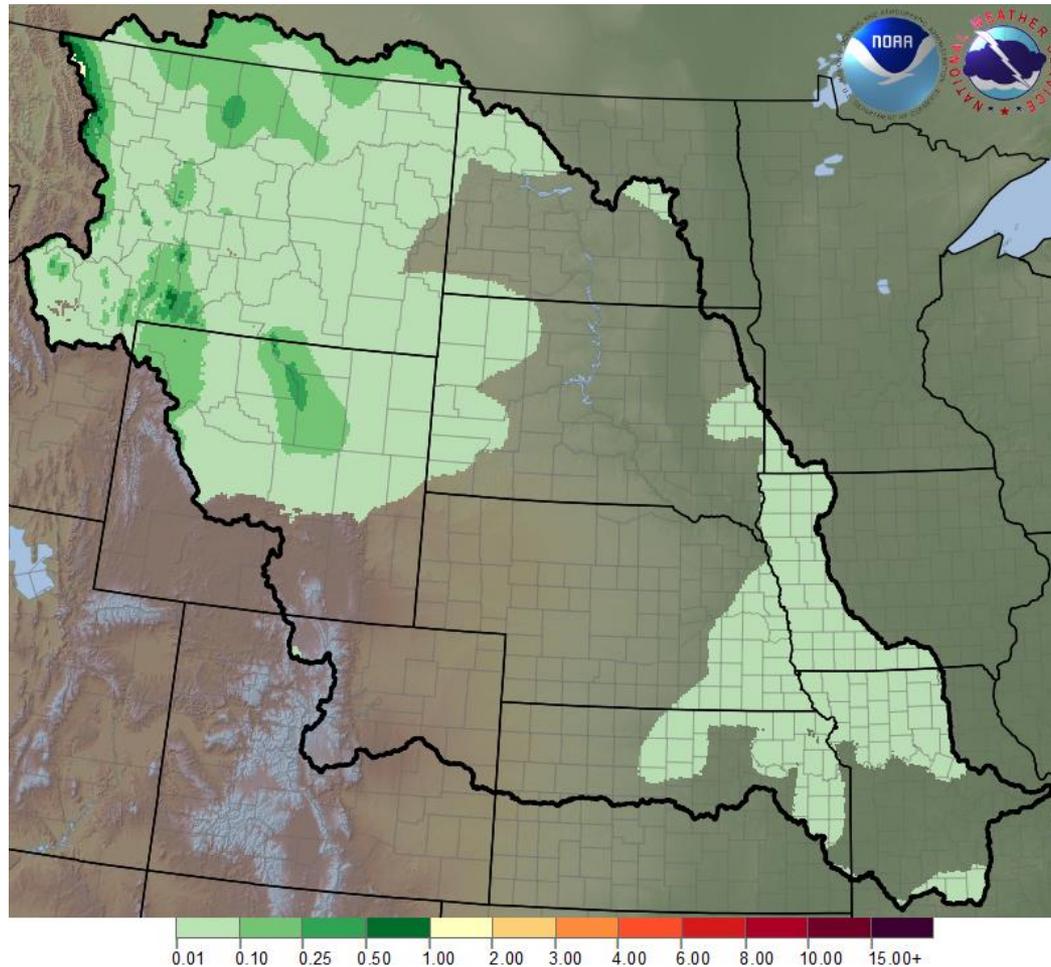
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Created: 09/26/2019 14:31Z





One-day Precipitation Forecast



0.01 0.10 0.25 0.50 1.00 2.00 3.00 4.00 6.00 8.00 10.00 15.00+

24-Hour Forecast Precipitation

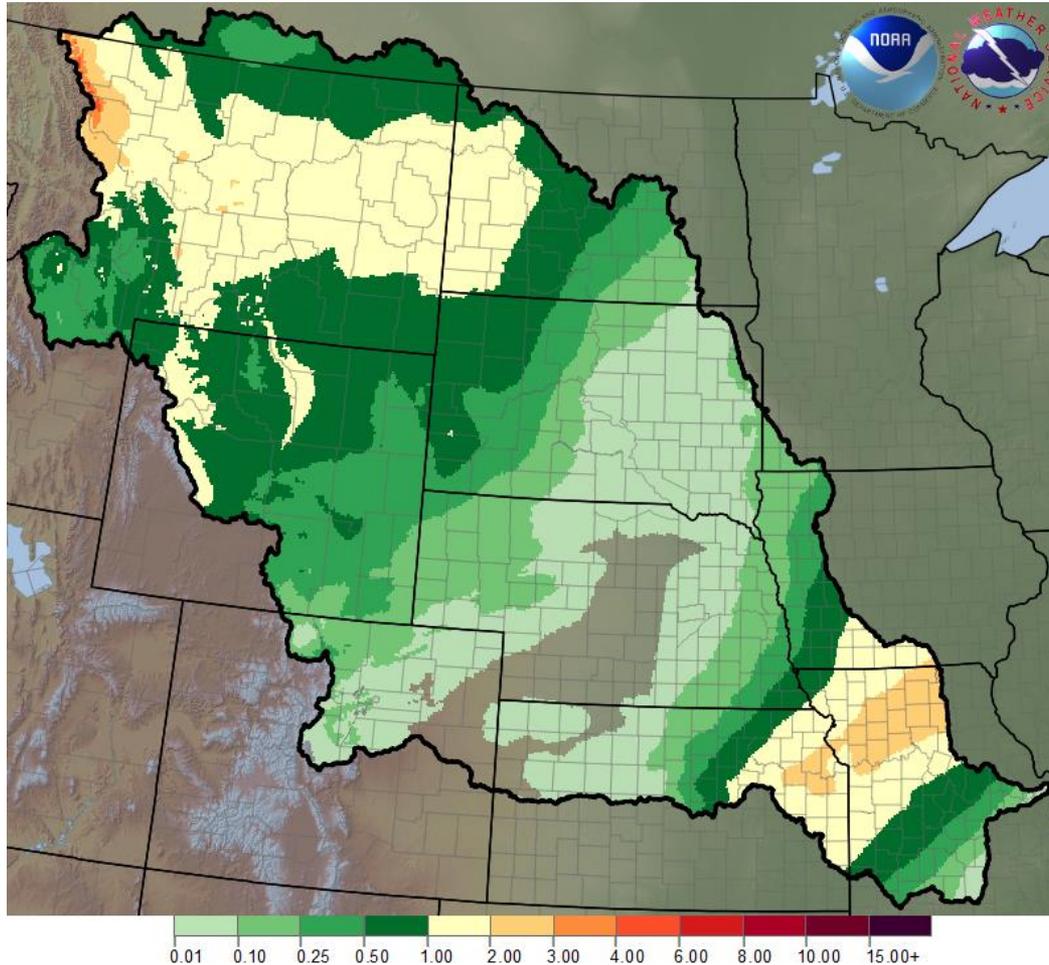
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Data created: 09/26/2019 11:51Z





Three-day Precipitation Forecast



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72-Hour Forecast Precipitation

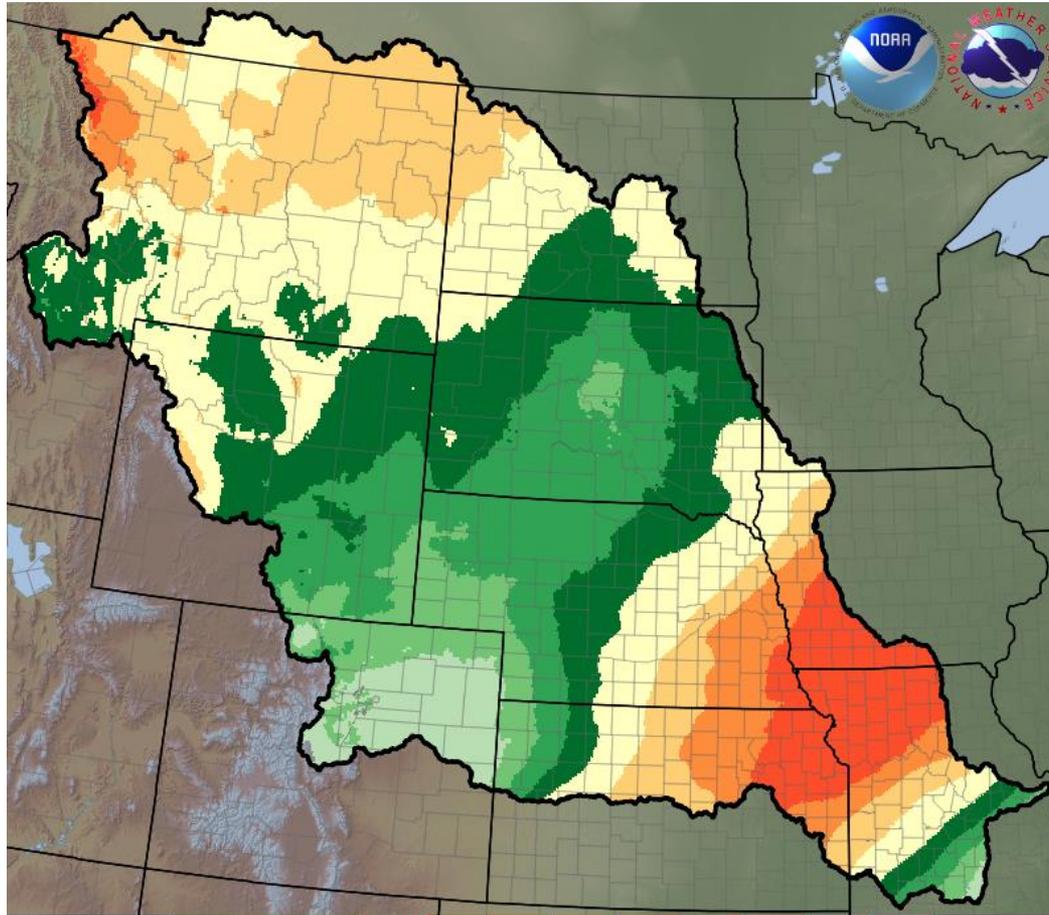
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Seven-day Precipitation Forecast



0.01 0.10 0.25 0.50 1.00 2.00 3.00 4.00 6.00 8.00 10.00 15.00+

168-Hour Forecast Precipitation

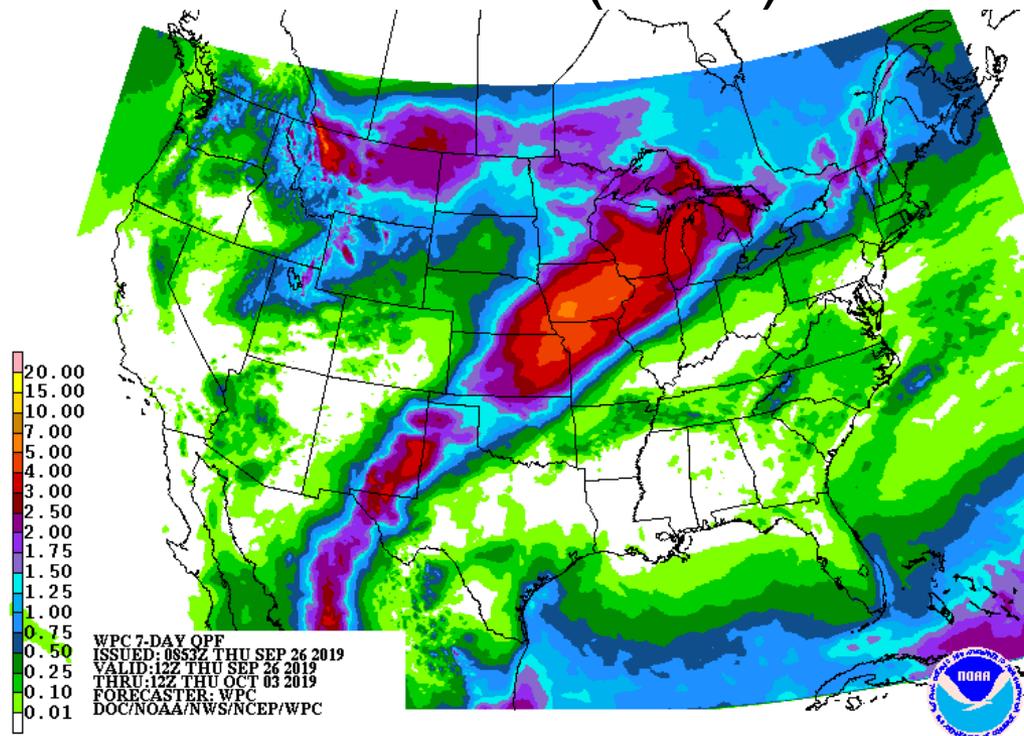
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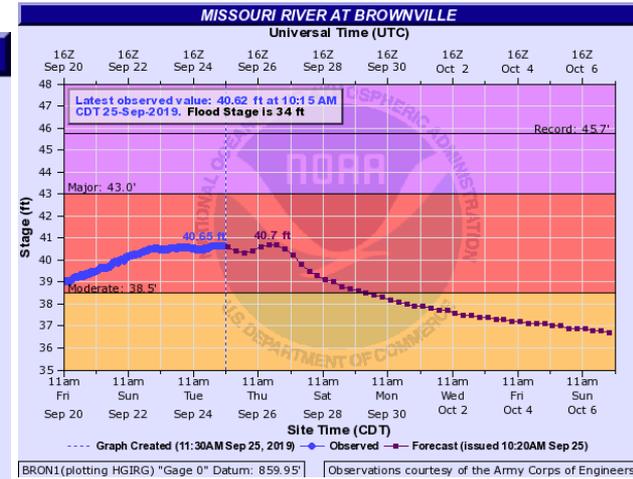
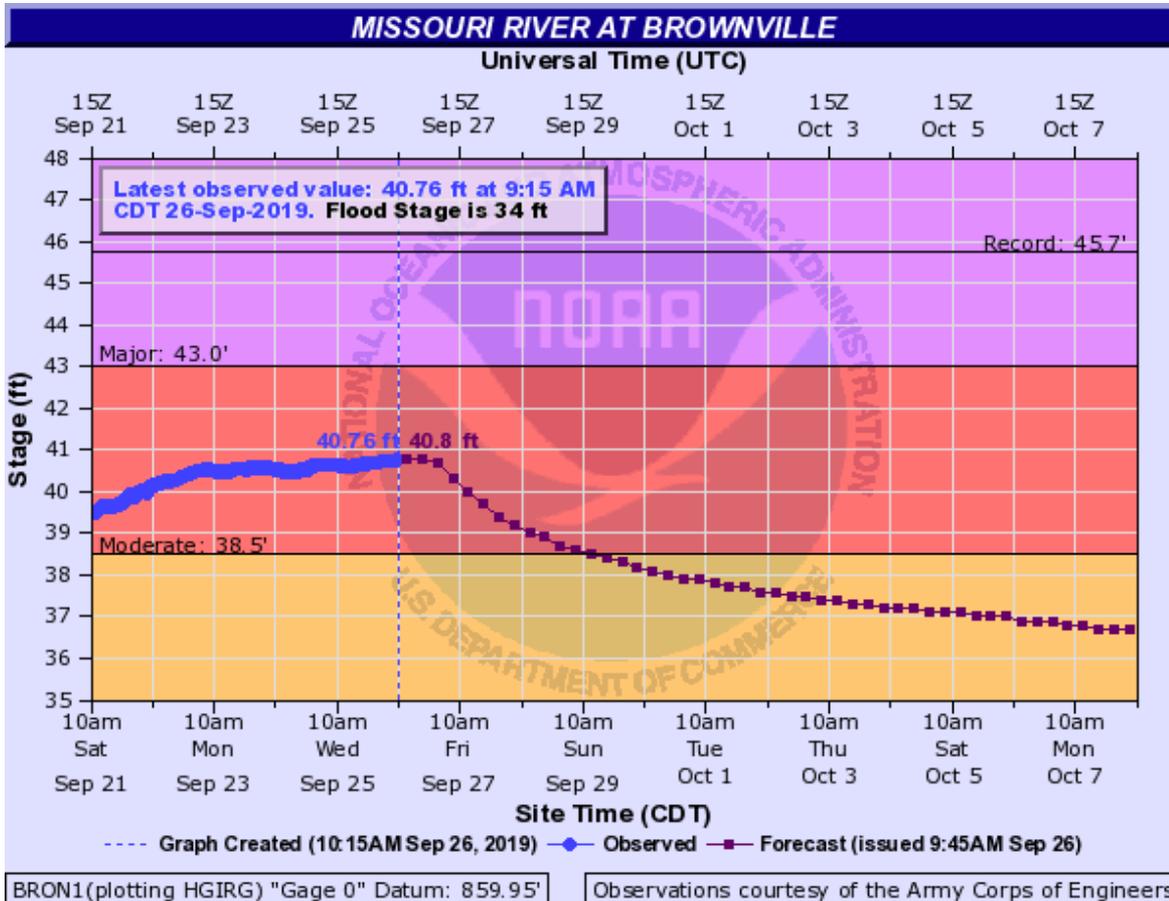


Seven-day Total Quantitative Precipitation Forecast (QPF)



Continuing this view of precipitation forecast to occur throughout Missouri, today's NWS seven-day precipitation forecast estimates at least 1.5 to 2.5 inches may occur in most of northern Missouri. Approximately 3 to 4 inches may occur in west-central and far northeast Missouri, and 4 to 5 inches may occur in the northwest and north-central regions of the state. Forecast amounts diminish southeastward with the south-central and southeast regions forecast to receive a range of no precipitation to 0.25 inches.

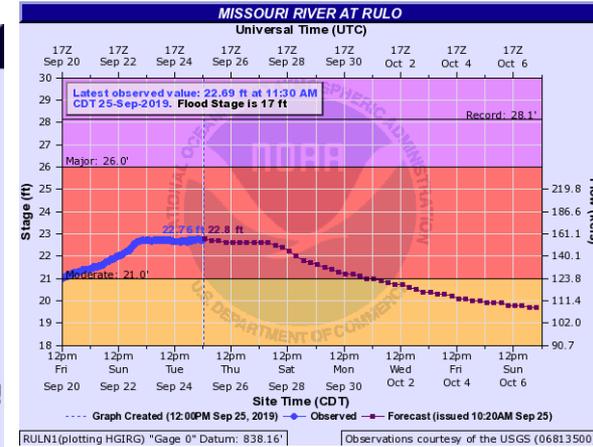
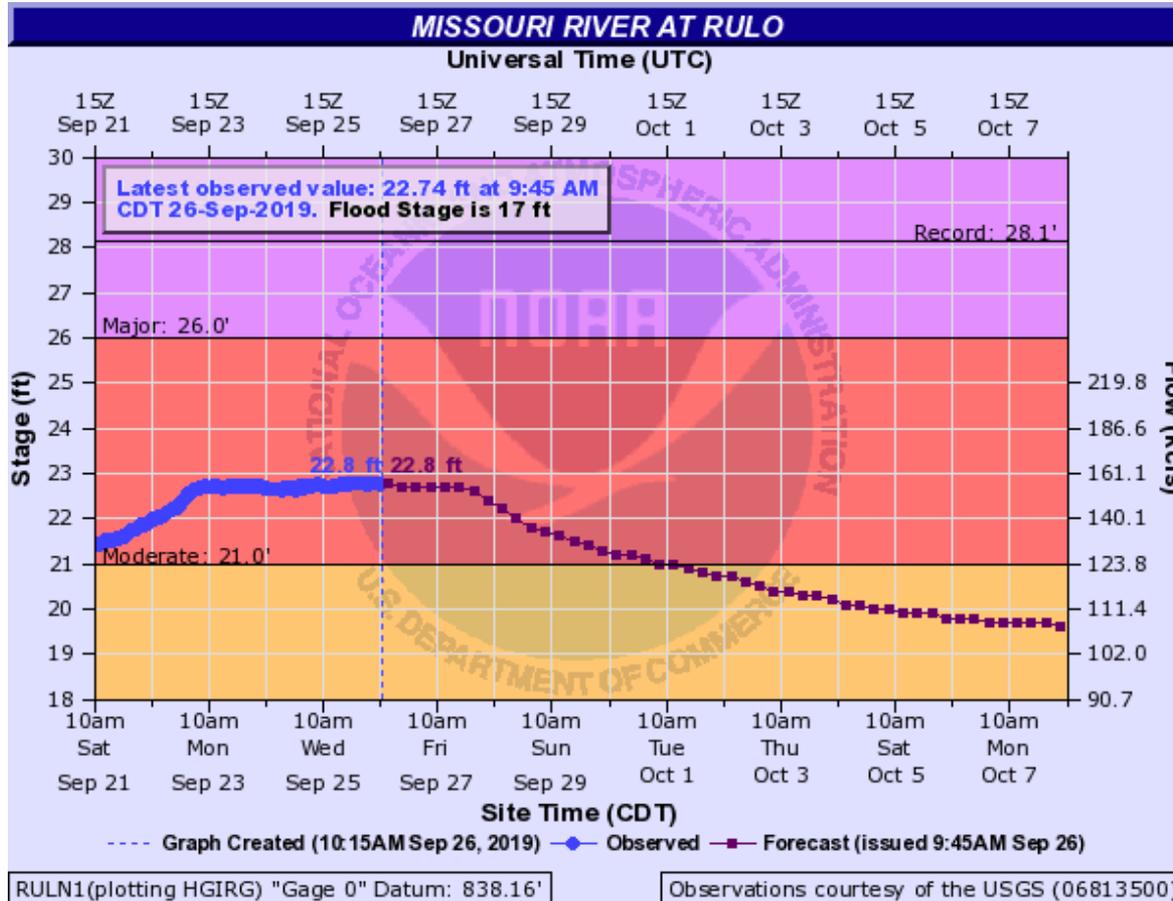




Forecast Hydrograph
issued Sept. 25, 2019

- The Missouri River at Brownville is in moderate flood stage at 40.76 feet and the NWS is forecasting a crest this afternoon at 40.8 feet in moderate flood stage.
- Moderate flood stage at Brownville occurs at 38.5 feet.
- For stage-related impacts and other site specific details go to: <https://water.weather.gov/ahps2/hydrograph.php?wfo=oax&gage=bron1>





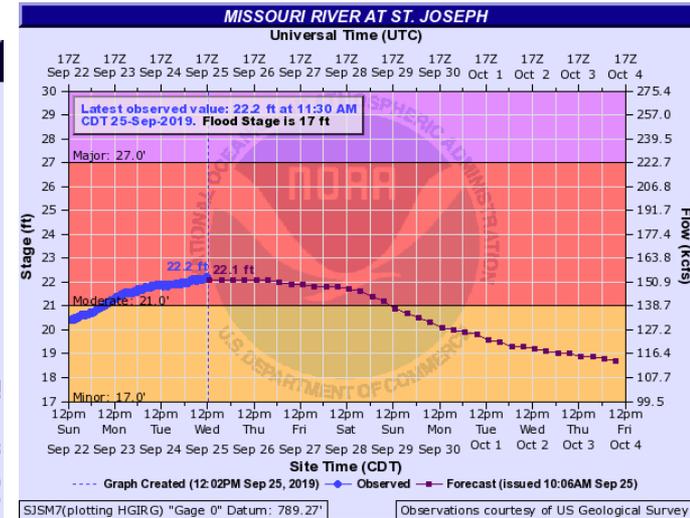
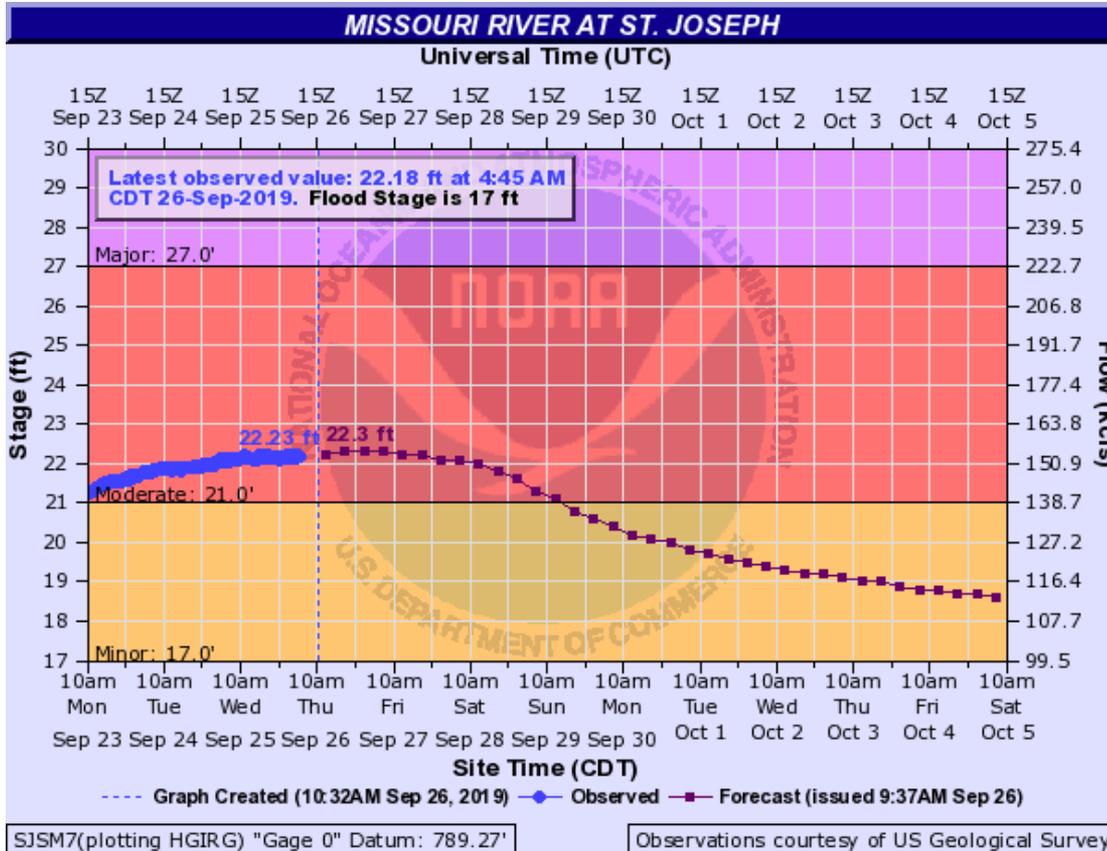
Forecast Hydrograph
issued Sept. 25, 2019

- The Missouri River at Rulo, Nebraska is in moderate flood stage at 22.8 feet and appears to be cresting.
- Moderate flood stage at Rulo occurs at 21.0 feet.
- For stage-related impacts and other site specific details go to: <https://water.weather.gov/ahps2/hydrograph.php?wfo=oax&gage=ruln1>





MISSOURI DEPARTMENT OF NATURAL RESOURCES



Forecast Hydrograph
issued Sept. 25, 2019

- The Missouri River at St. Joseph is in moderate flood stage at 22.23 feet. The NWS is forecasting a crest to occur this evening at 22.3 feet in moderate flood stage.
- Moderate flood stage at St. Joseph occurs at 21.0 feet.
- For stage-related impacts and other site specific details go to:
https://water.weather.gov/ahps2/hydrograph.php?wfo=eax&gage=sjism7&prob_type=stage&source=hydrograph



Resources for Further Information

- Department of Natural Resources Flood Page:
<https://dnr.mo.gov/flood>
- National Weather Service – Missouri River Flooding:
<https://www.weather.gov/oax/missouririverflooding>
- National Weather Service – River Forecasts, Missouri Basin:
<https://water.weather.gov/ahps2/forecasts.php?wfo=EAX>
- Missouri Water Resources Center – Missouri River Informational Page: https://dnr.mo.gov/geology/wrc/interstate-waters/missouri_river.htm

