

Missouri Water Resources Center

Missouri River Flood Conditions Report

Sept. 16, 2019



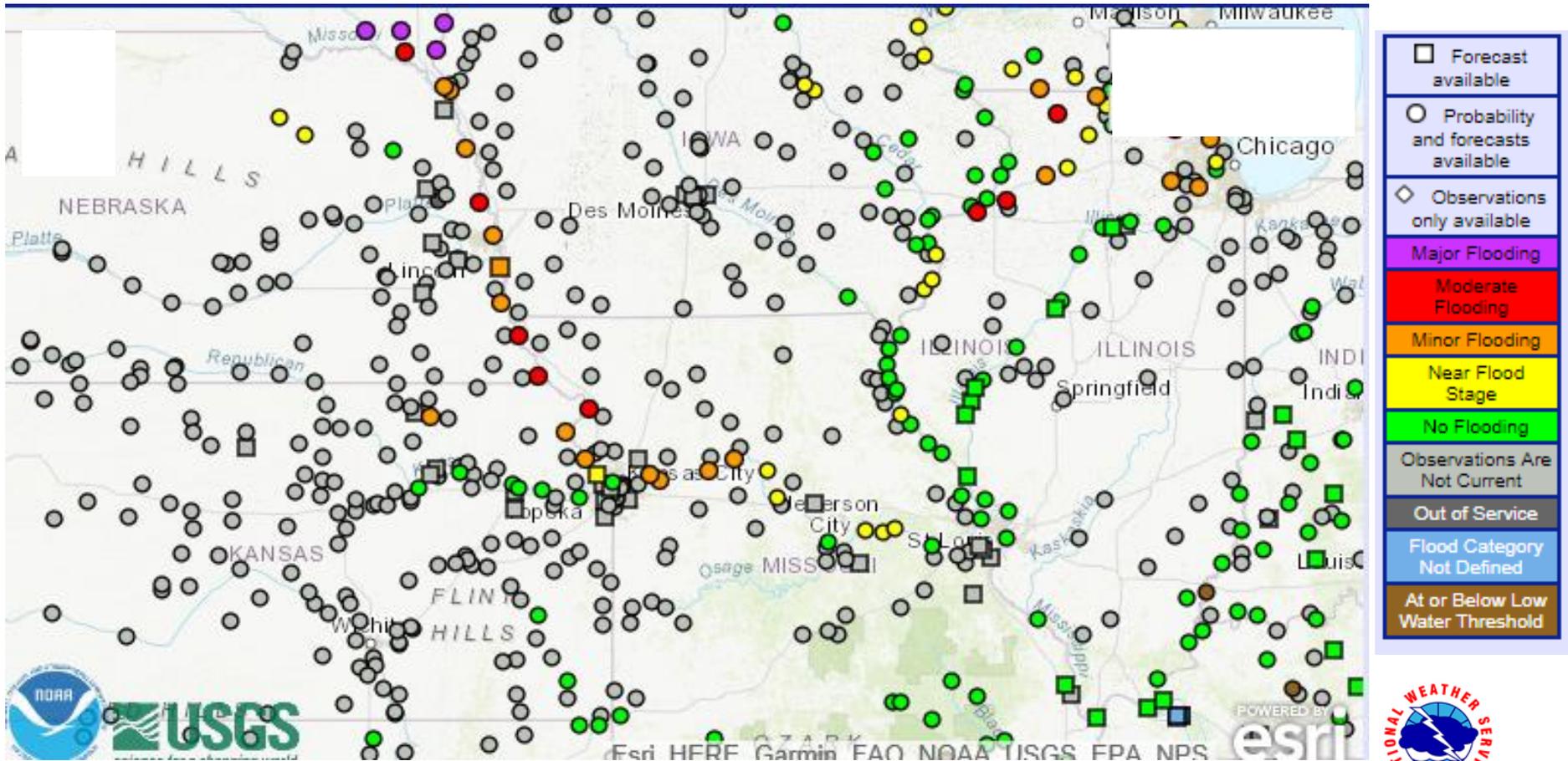
Missouri River Flooding Status

- Abundant precipitation occurred during the past several days in the Missouri River Basin upstream of the state of Missouri. This has led to runoff and rising rivers that are forecast to create moderate flooding in northwest Missouri on the Missouri River from Brownville, Nebraska to St. Joseph, Missouri approximately Friday, Sept. 20. Minor flooding is forecast for the Missouri River as far downstream as Miami Missouri in central Missouri.
- 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 Corp of Engineers (Corps) is releasing 61,000 CFS from Gavins Point Dam. The Corps has indicated they will need to continue maintaining elevated releases 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 at 10,000 CFS for Tuttle Creek and 3,000 CFS for Perry.
- Truman Reservoir is releasing approximately 31,000 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.
- The NWS indicates only small amounts of precipitation are expected in the Missouri River Basin during the next few days. Moderate amounts of precipitation are forecast to occur next weekend particularly in the state of Missouri.





River Forecast Conditions



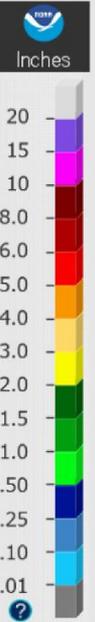
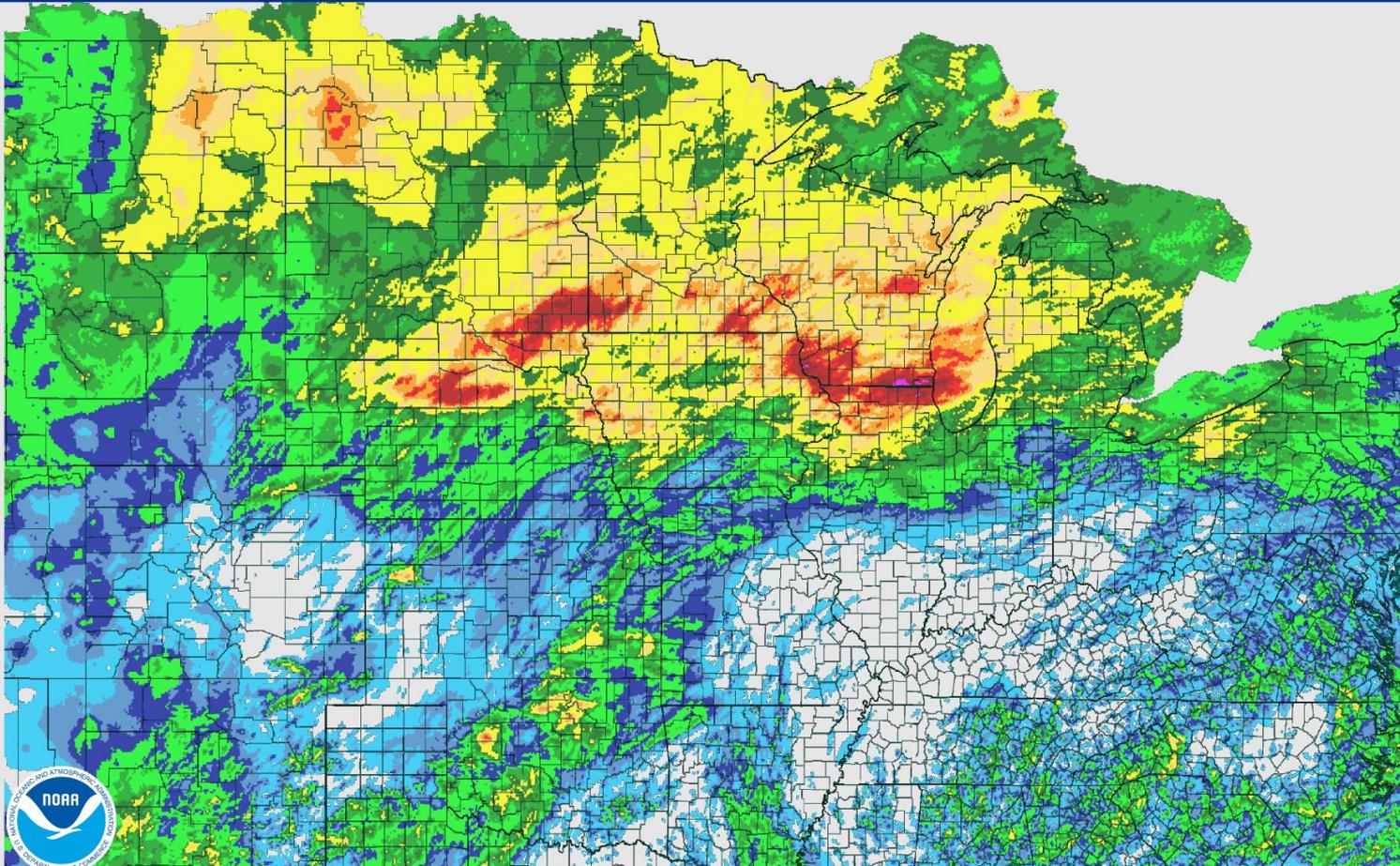


Seven-day Observed Precipitation

September 16, 2019 7-Day Observed Precipitation

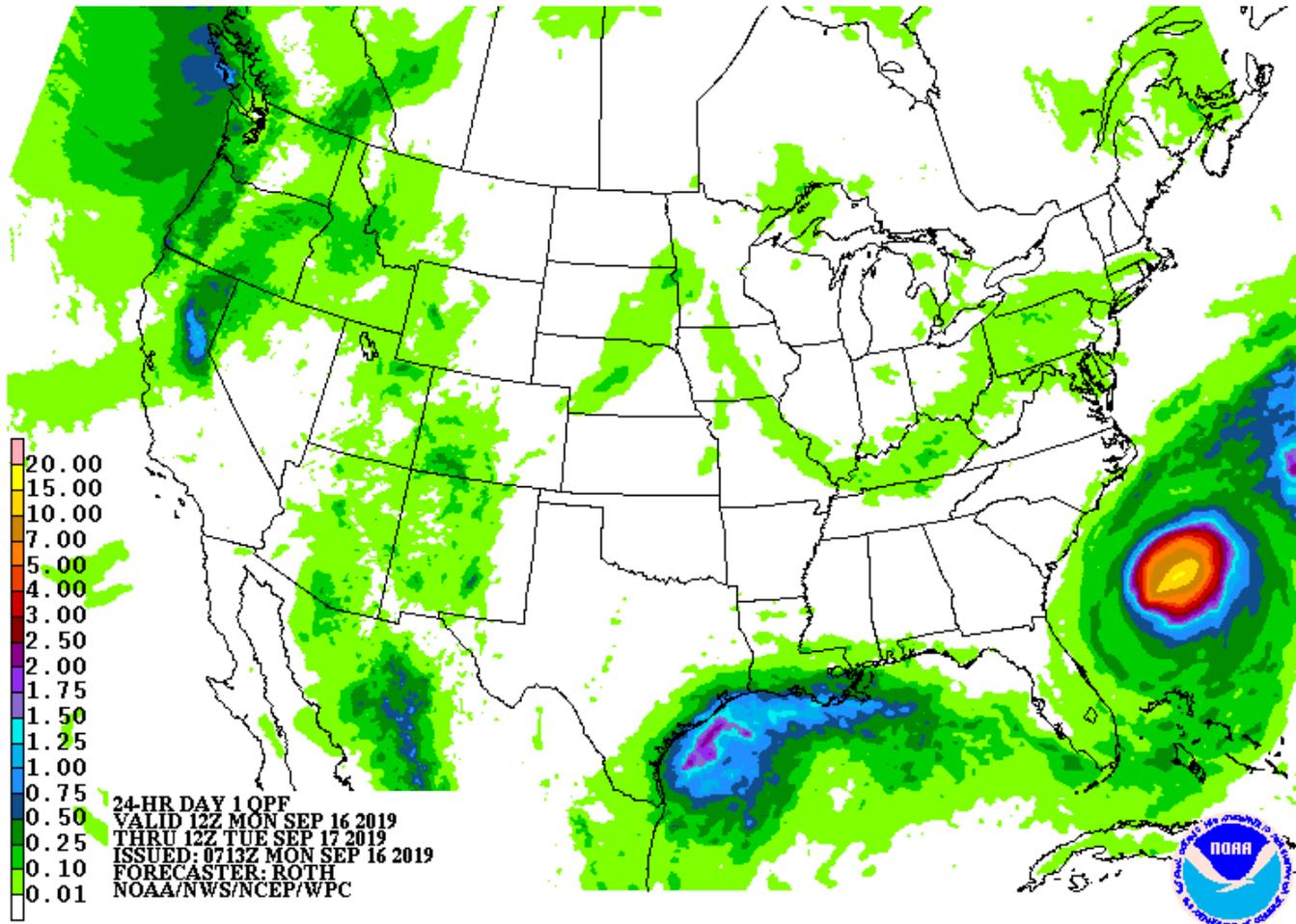
Created on: September 16, 2019 - 16:37 UTC

Valid on: September 16, 2019 12:00 UTC



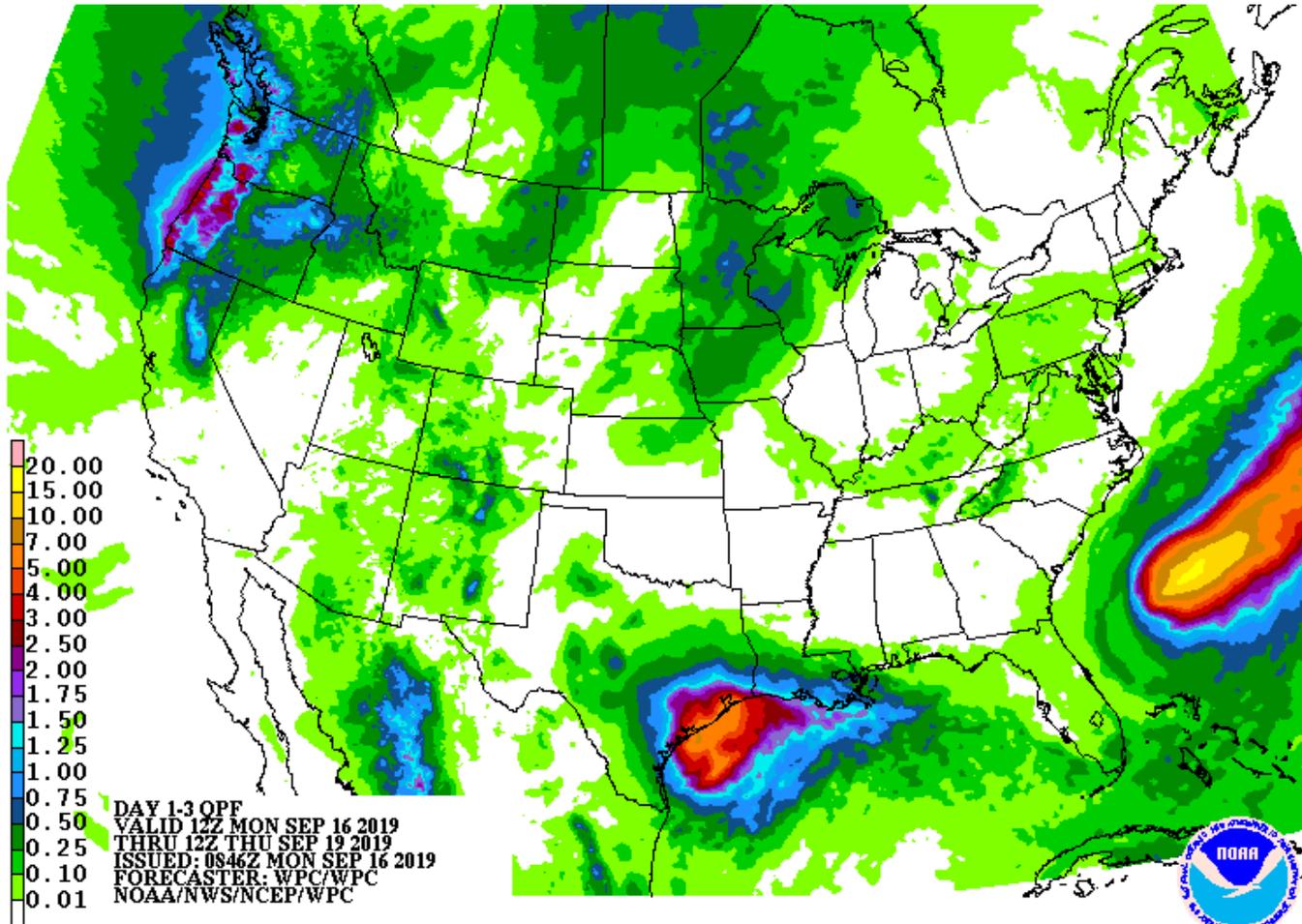


One-day Total Quantitative Precipitation Forecast (QPF)



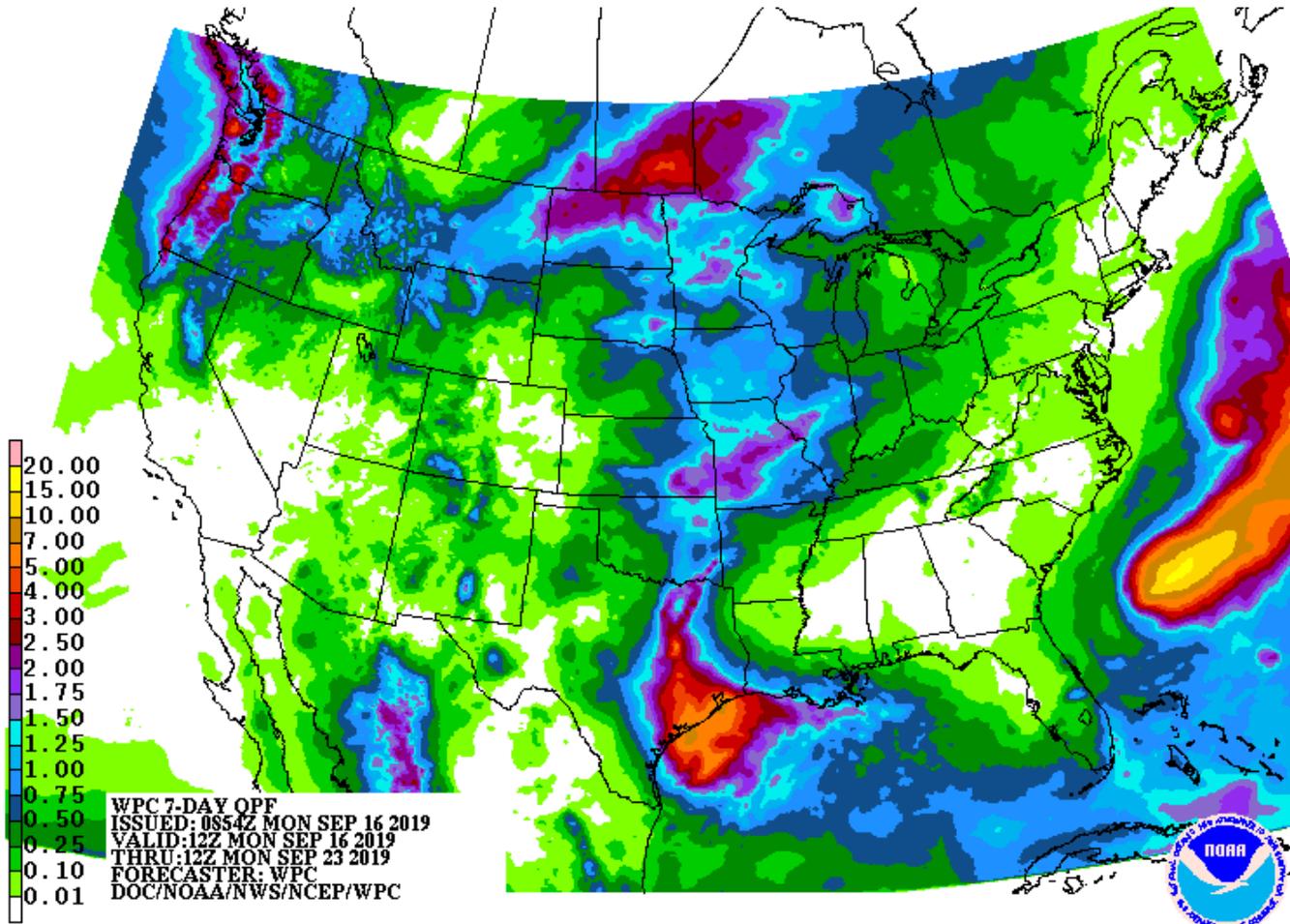


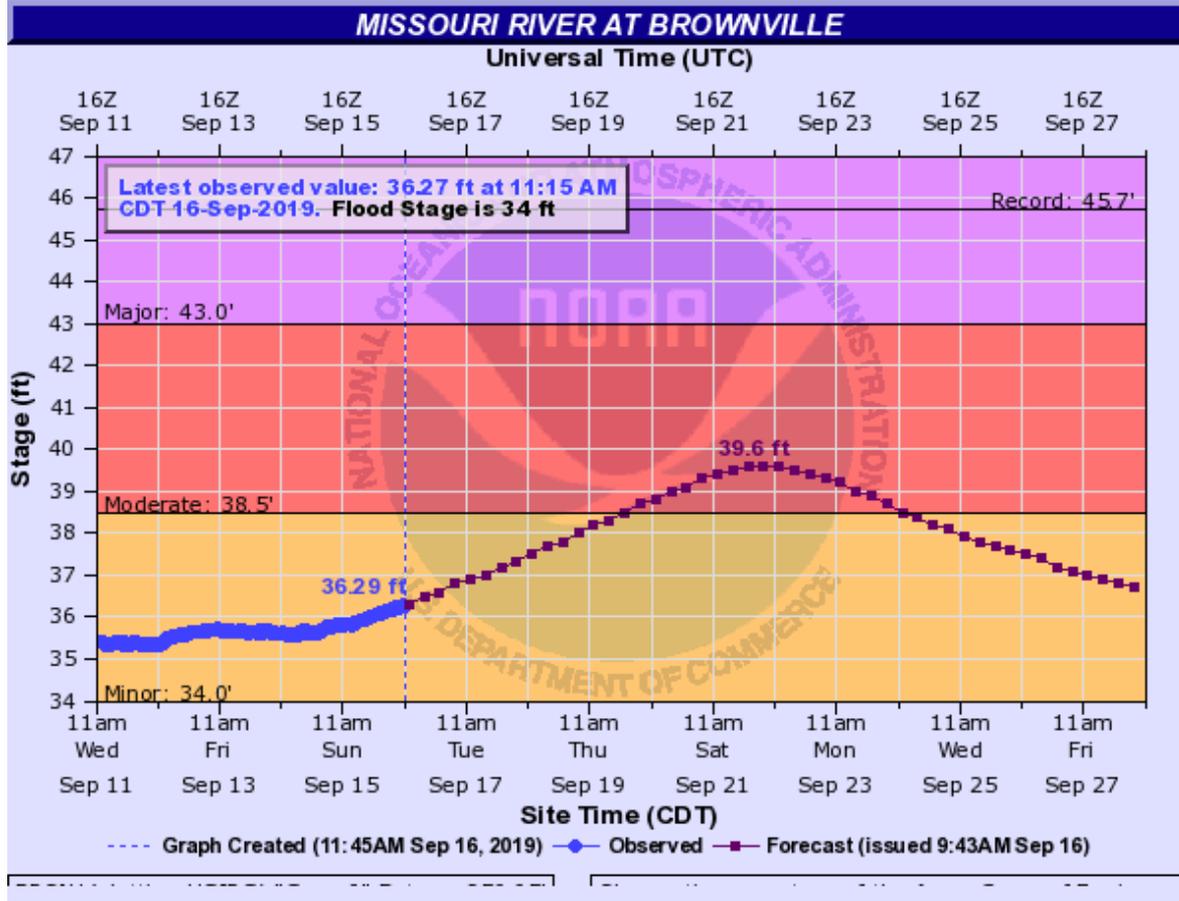
Three-day Total Quantitative Precipitation Forecast (QPF)





Seven-day Total Quantitative Precipitation Forecast (QPF)

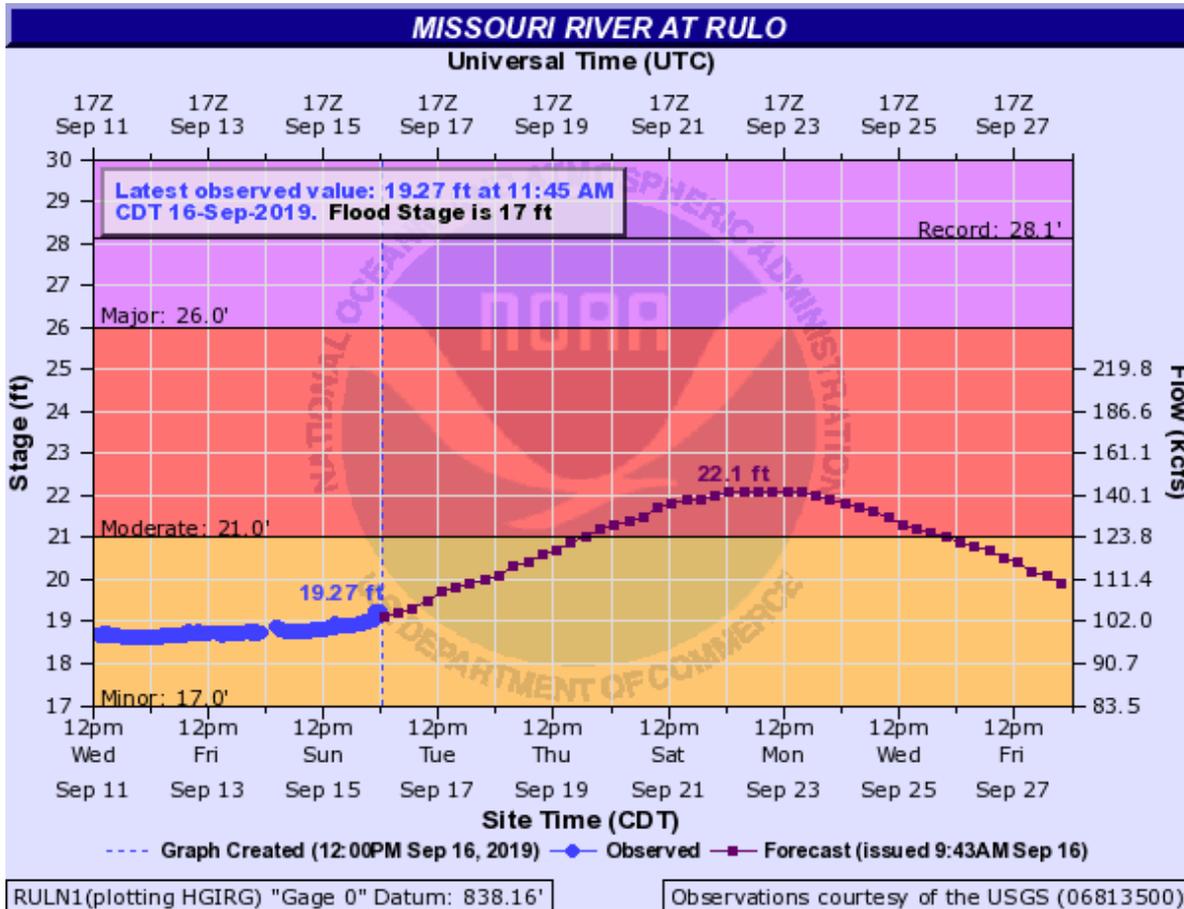




Forecast Hydrograph issued
September 13, 2019

- The Missouri River at Brownville is in minor flood stage at 36.3 feet and is forecast to continue rising and crest Sunday at 39.6 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>

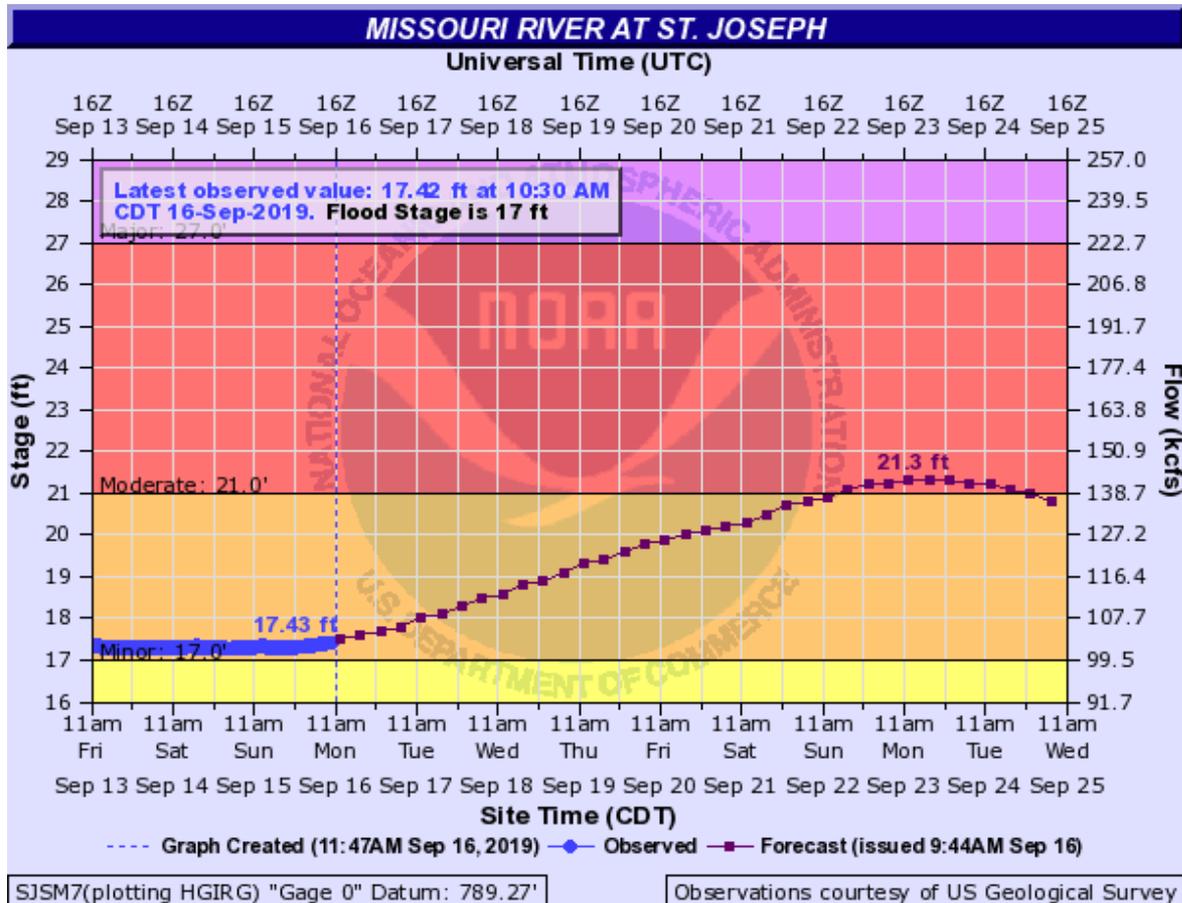




Forecast Hydrograph issued
September 13, 2019

- The Missouri River at Rulo, Nebraska is in minor flood stage at 19.3 feet and is forecast to continue rising and crest Sunday afternoon at 22.1 feet in moderate flood stage.
- 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>





- The Missouri River at St. Joseph is in minor flood stage at 17.4 and is forecast to begin rising now and crest at 21.3 feet next Monday.
- 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=sjsm7&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

