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 starting approximately Thursday night and cresting Saturday at Brownville, and Monday at St. Joseph. Minor flooding is forecast for the Missouri River as far downstream as Miami, Missouri in central Missouri. **Reminder:** The National Weather Service only includes 24 hours of forecast precipitation in river forecast calculations. Slide number eight in this PDF illustrates the high amounts of precipitation forecast to occur in several days in the state of 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 Corps of Engineers (Corps) is releasing 65,000 CFS from Gavins Point Dam and intends to increase releases by 5,000 CFS per day up to as much as 80,000 CFS. 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 at 4,000 CFS for Tuttle Creek and 3,000 CFS for Perry intending to decrease releases to 200 CFS and 25 CFS at Tuttle and Perry lakes, respectively by Sept. 20.

- Truman Reservoir is releasing approximately 31,700 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
24-hour (One-day) Forecast Precipitation
72-hour (Three-day) Forecast Precipitation
168-hour (Seven-day) Precipitation Forecast
Worth noting is the amount of precipitation forecast to occur Sunday through Thursday (Sept. 22 through Sept. 26) in much of Missouri as displayed in the NWS seven-day precipitation forecast. Five to 7 inches may occur in northwest, north-central and west-central Missouri. Southwest Missouri may receive a couple of inches and the Bootheel region may receive an inch. Estimates of flooding to expect in Missouri resulting from this forecast precipitation will be calculated by the NWS and distributed later this week and early next week.
The Missouri River at Brownville is in minor flood stage at 37.8 feet and is forecast to crest Saturday evening at 39.9 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 17, 2019
The Missouri River at Rulo, Nebraska is in minor flood stage at 20.1 feet and is forecast to crest Sunday afternoon at 22.2 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 18.2 and is forecast to crest at 21.2 feet Monday morning.
• 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