

Missouri Water Resources Center

Missouri River Flood Conditions Report

Oct. 1, 2019



Missouri River Flooding Status

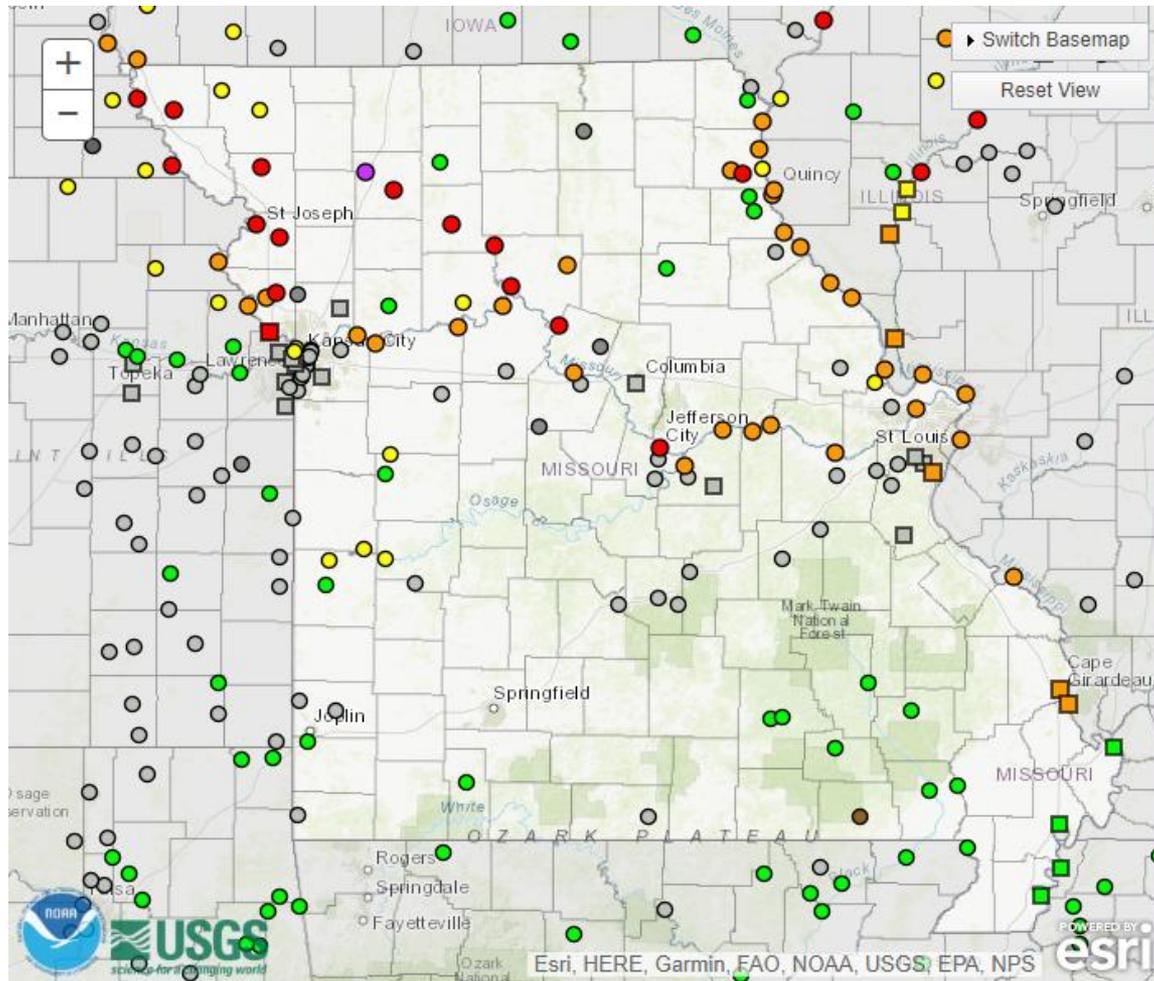
- The Missouri River Basin received above average precipitation during the past seven days in the headwaters the Missouri River Basin in northern Montana as well as in the lower part of the basin in the state of Missouri. Additional runoff and rising rivers continue to contribute to flooding in northwest Missouri on the Missouri River and creating moderate and possibly major flooding at Glasgow, Missouri later this week.
- 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 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 25,000 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.
- Today the National Weather Service (NWS) is including 72 hours of forecast precipitation in river forecast calculations in addition to past seven-day observed precipitation for the Missouri River for river gage forecasts from Brownville, Nebraska to Booneville, Missouri.





River Forecast Conditions

(Maximum for Entire Period 1-13 Days)



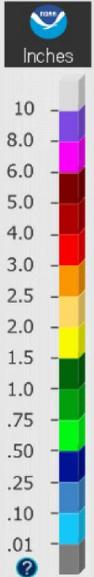
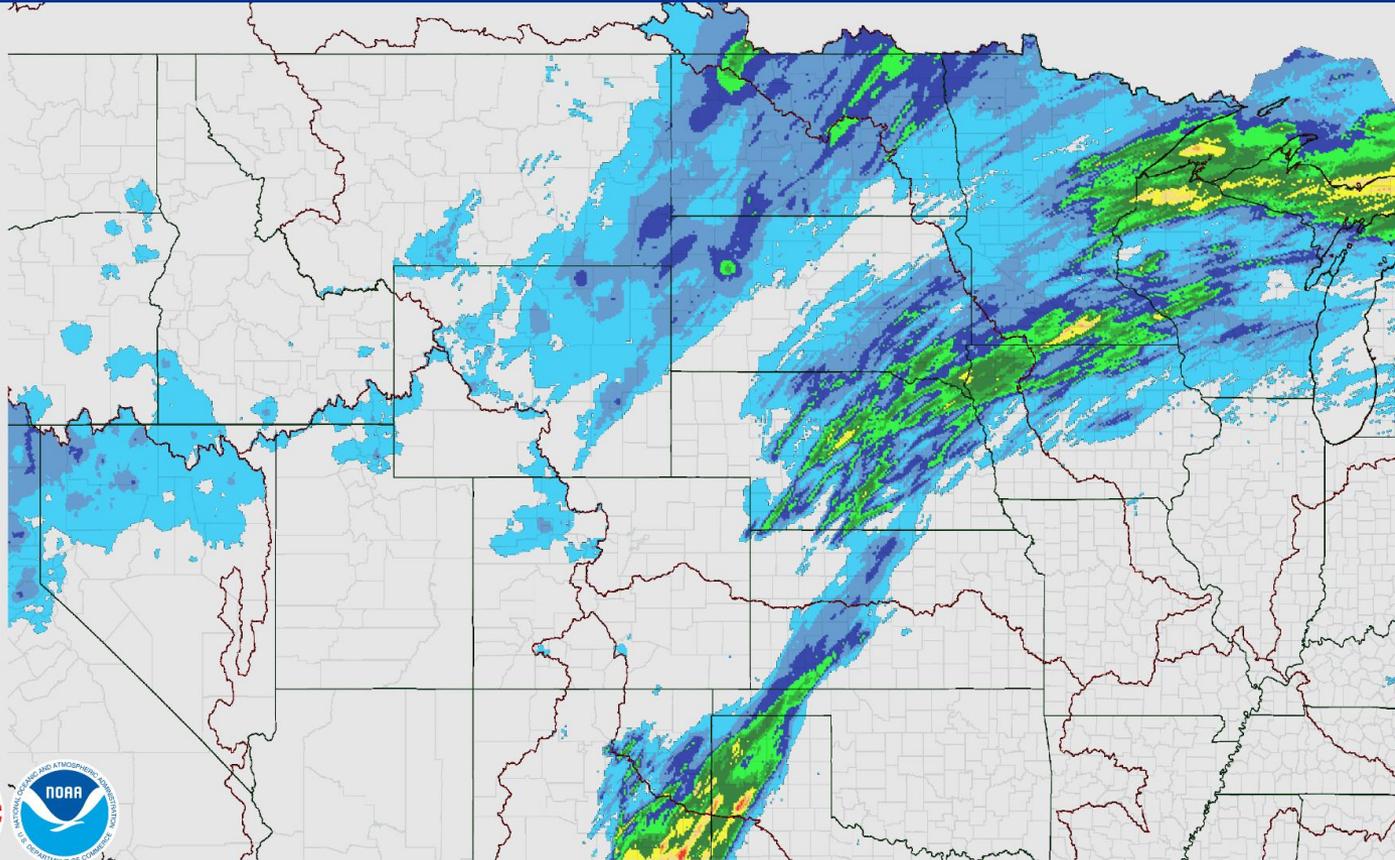


One-day Observed Precipitation

October 01, 2019 1-Day Observed Precipitation

Created on: October 01, 2019 - 15:37 UTC

Valid on: October 01, 2019 12:00 UTC



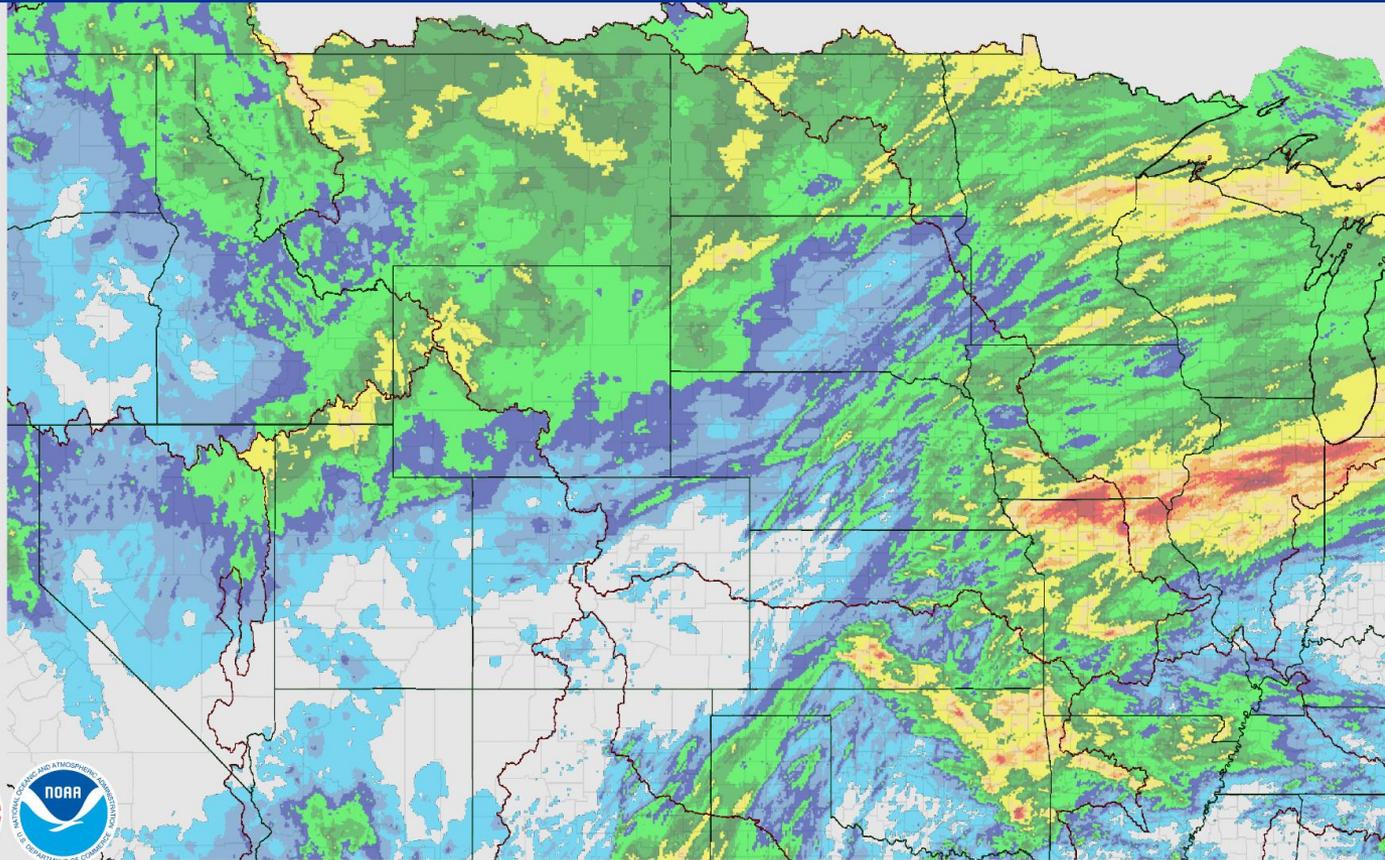


Seven-day Observed Precipitation

October 01, 2019 7-Day Observed Precipitation

Created on: October 01, 2019 - 15:44 UTC

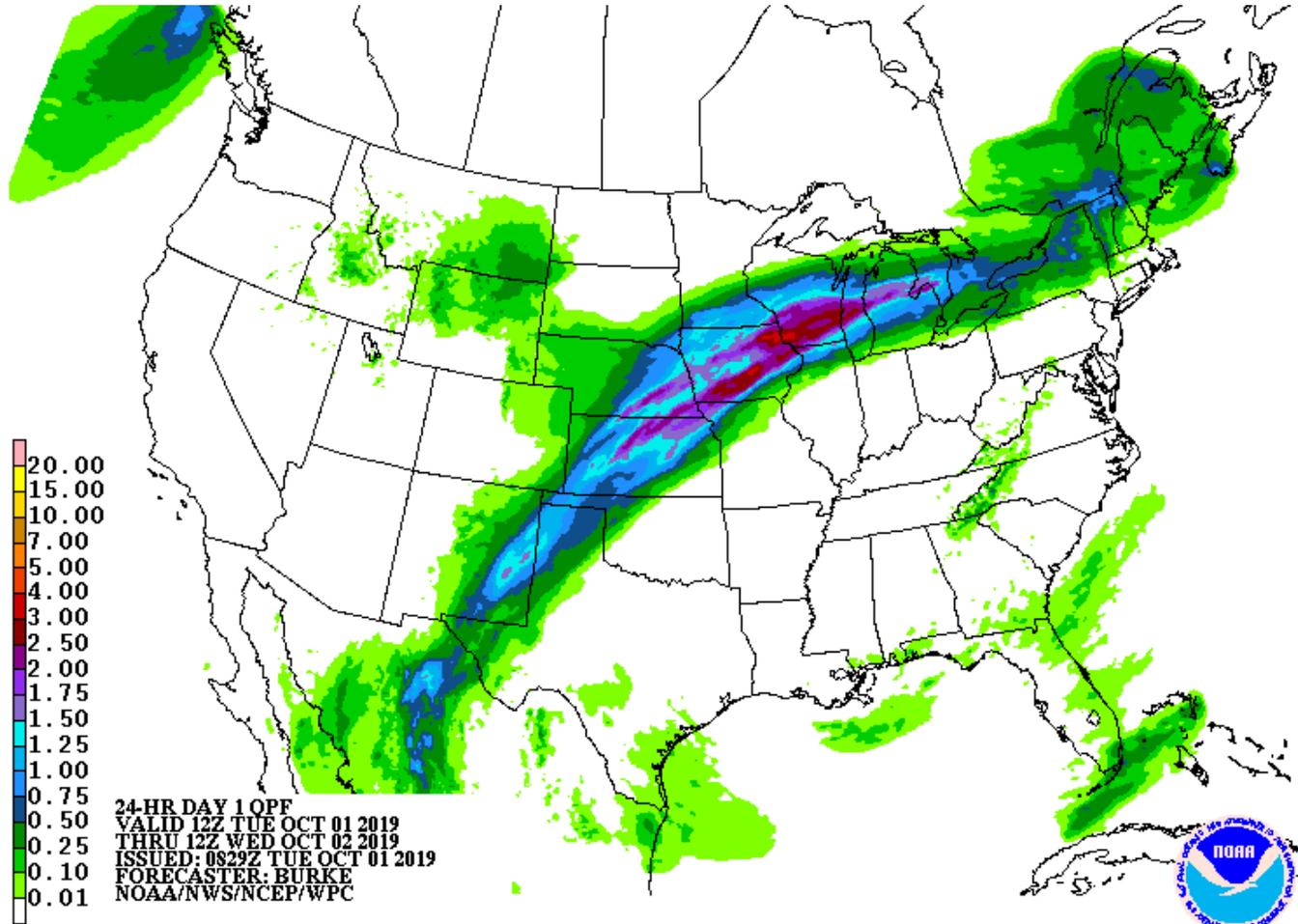
Valid on: October 01, 2019 12:00 UTC





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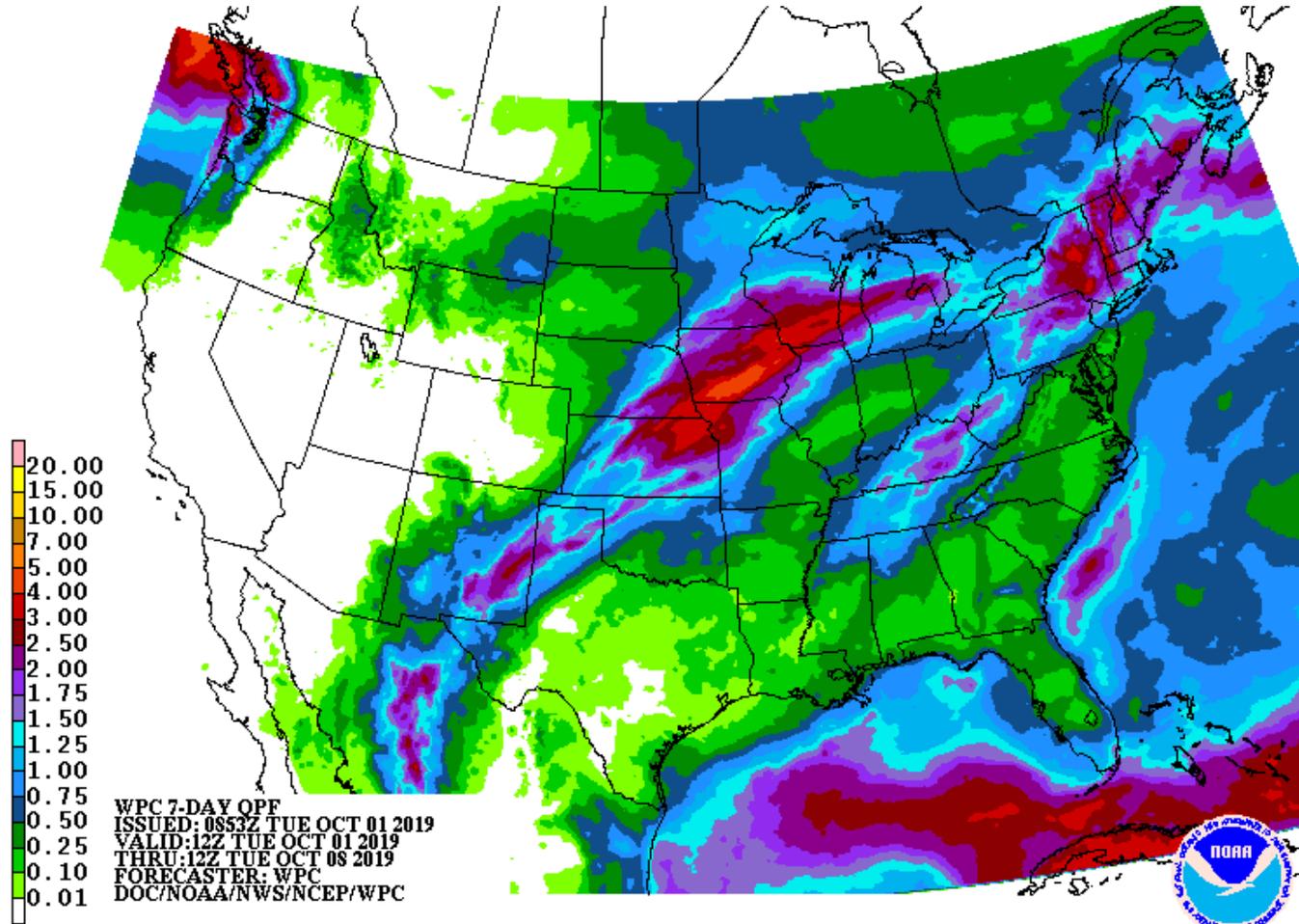
One-day Precipitation Forecast

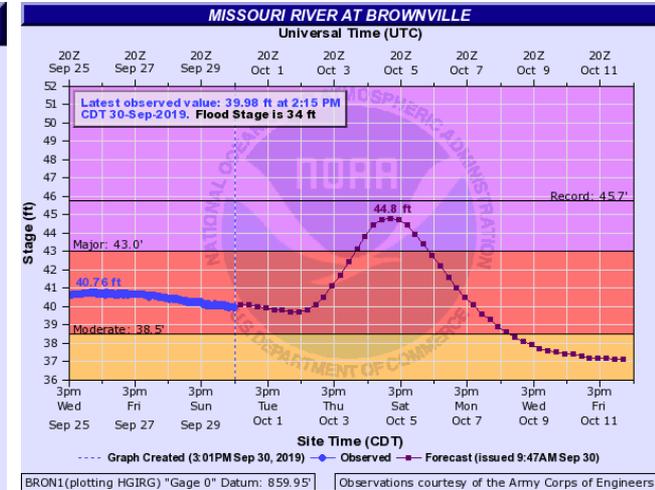
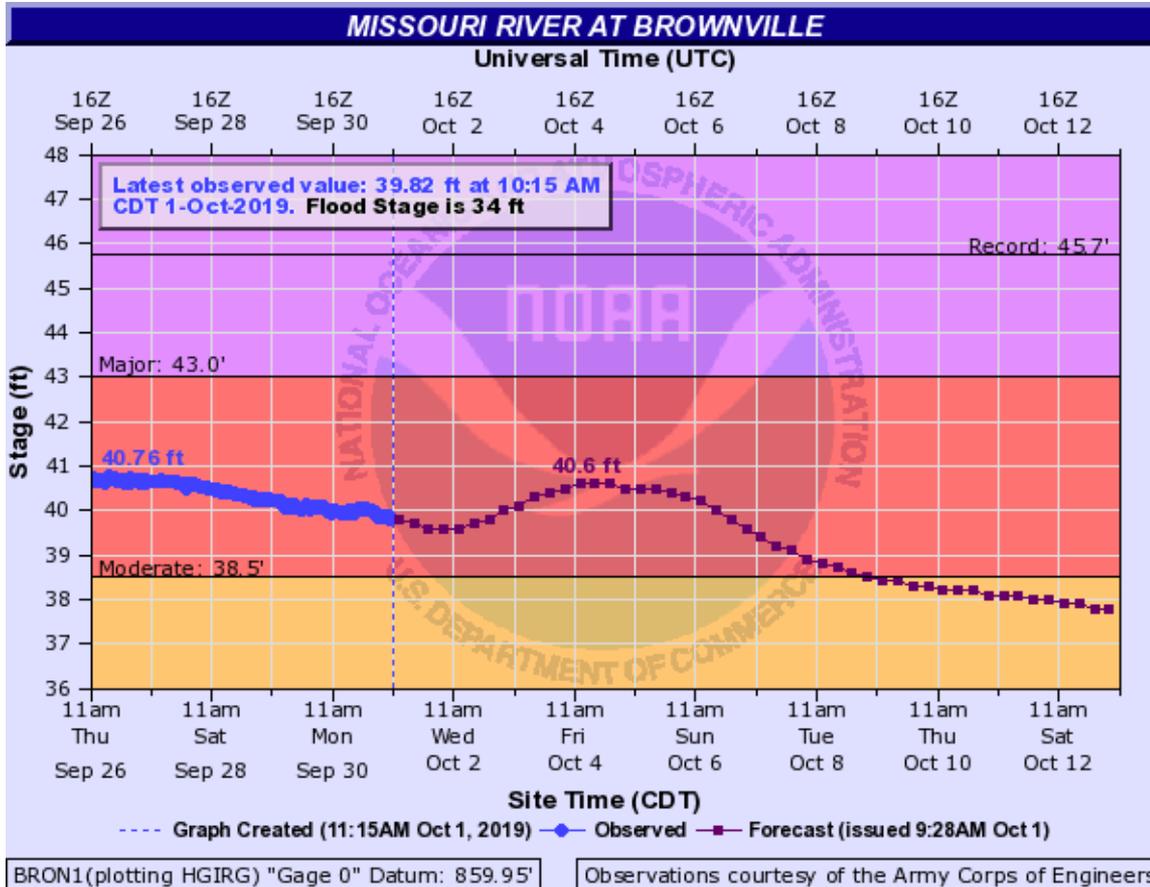




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Seven-day Precipitation Forecast

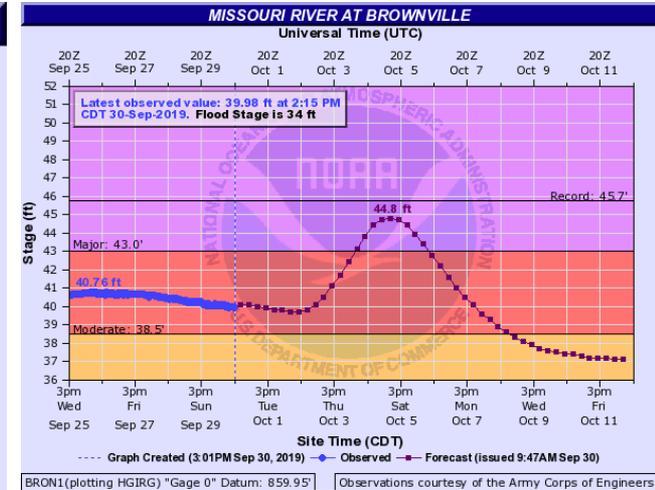
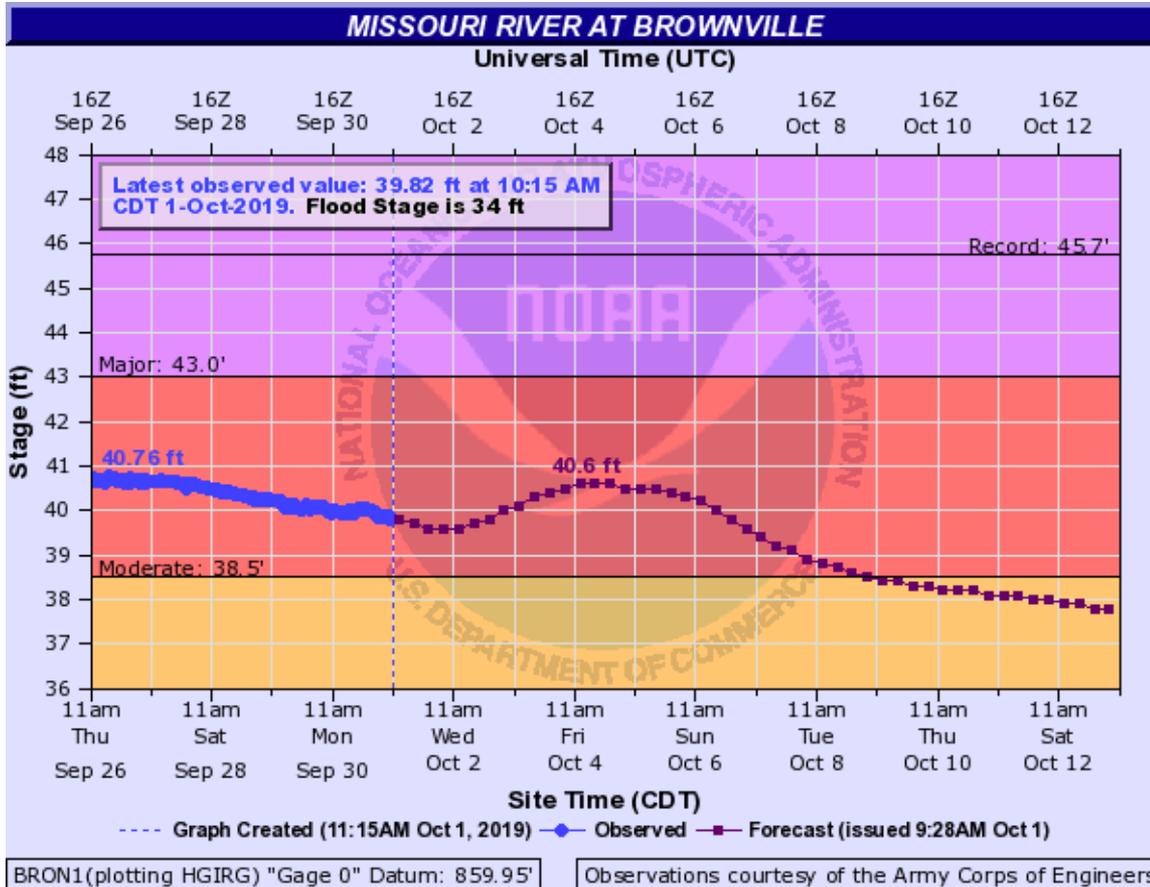




Forecast Hydrograph
issued Sept. 30, 2019

- The Missouri River at Brownville, NE is in moderate flood stage at 39.8 feet. The NWS is forecasting the river to begin rising early Thursday morning and crest at 40.6 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>

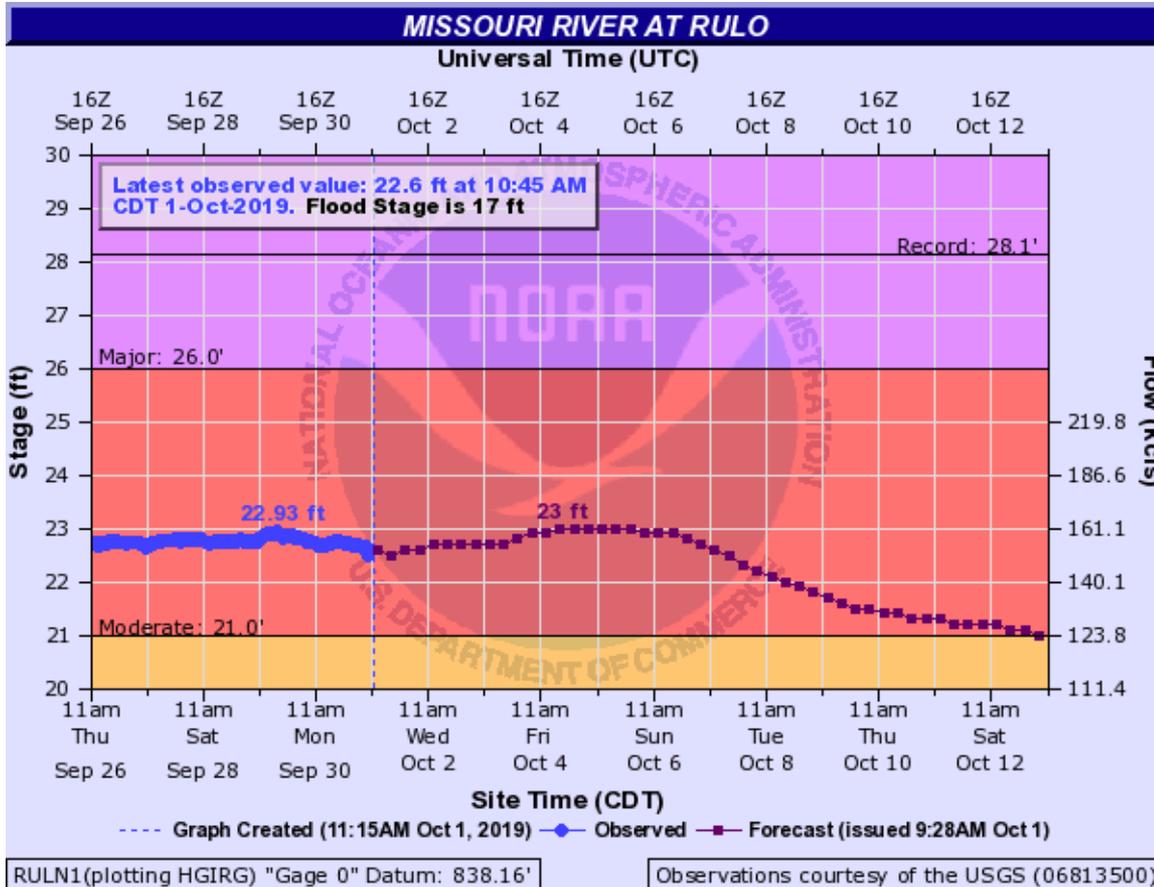




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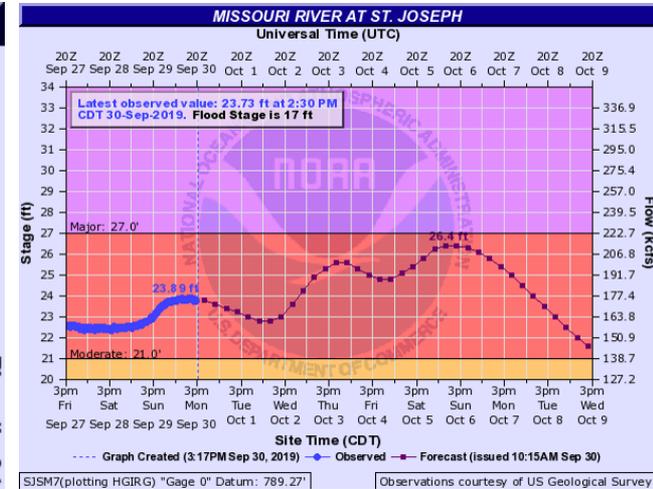
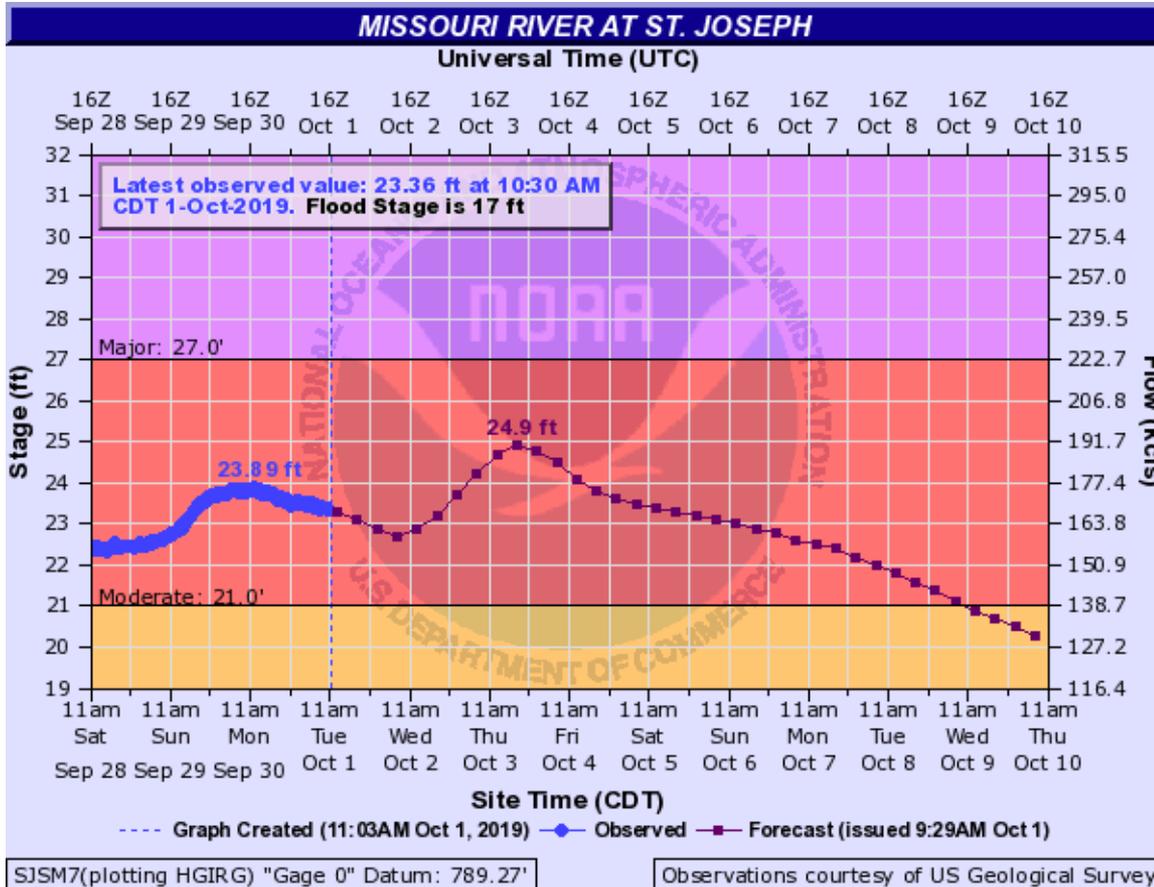




Forecast Hydrograph
issued Sept. 30, 2019

- The Missouri River at Rulo, Nebraska is in moderate flood stage at 22.6 feet. The NWS is forecasting the river to begin rising early Wednesday and crest at 23 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>



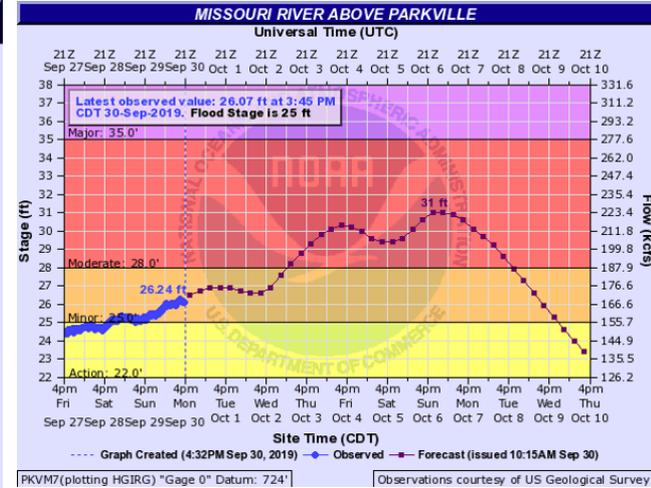
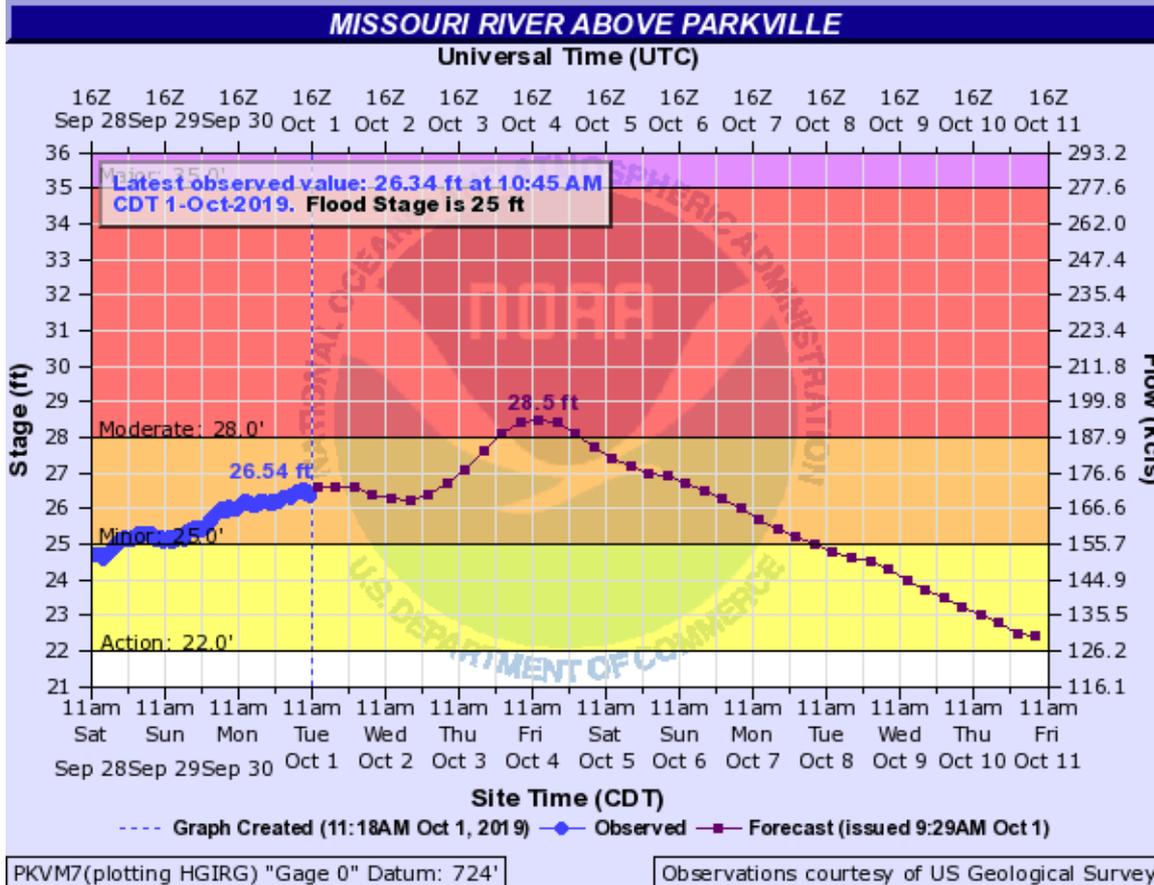


Forecast Hydrograph
issued Sept. 30, 2019

- The Missouri River at St. Joseph is in moderate flood stage at 23.3 feet. The NWS is forecasting the river to begin rising midday Wednesday and crest at 25 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=sjsm7&prob_type=stage&source=hydrograph

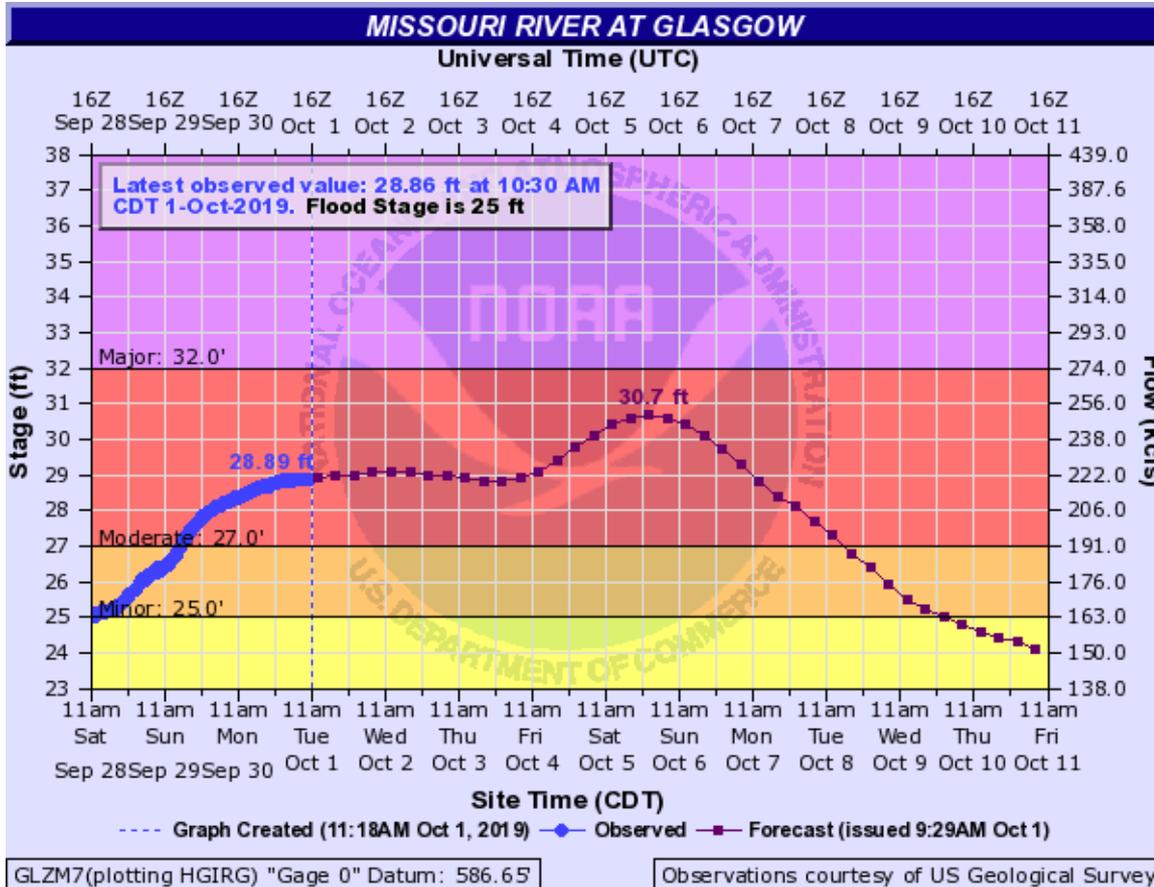




Forecast Hydrograph
issued Sept. 30, 2019

- The Missouri River at Parkville is in moderate flood stage at 26.3 feet. The NWS is forecasting the river to begin rising late Wednesday and crest at 28.5 feet in moderate flood stage.
- Moderate flood stage at Parkville occurs at 28.0 feet.
- For stage-related impacts and other site specific details go to: <https://water.weather.gov/ahps2/hydrograph.php?wfo=eax&gage=pkvm7>

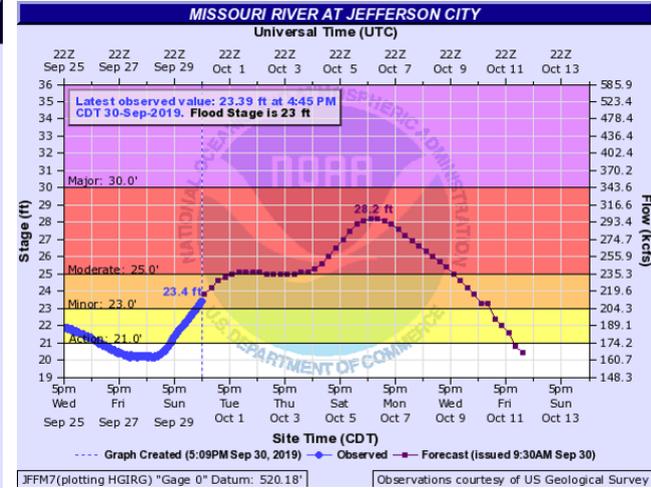
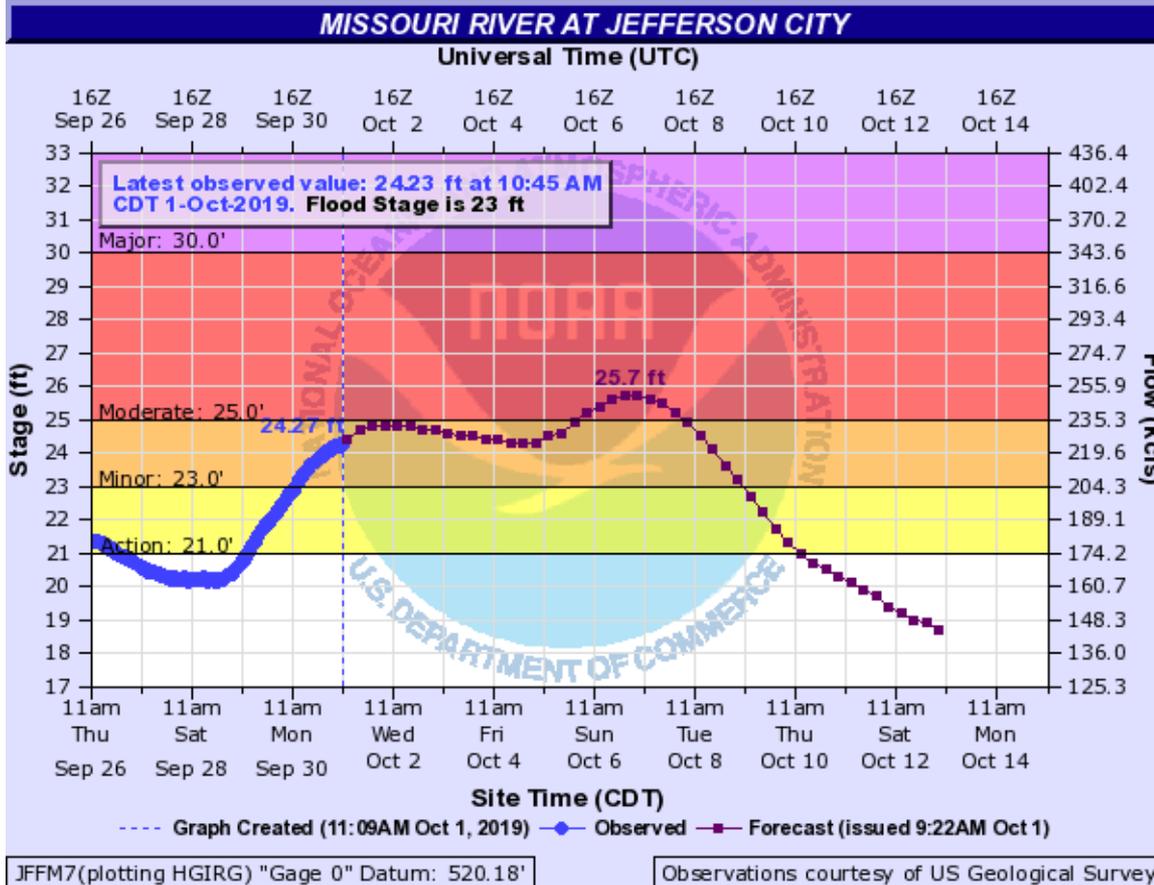




Forecast Hydrograph
issued Sept. 30, 2019

- The Missouri River at Glasgow is in moderate flood stage at 28.8 feet. The NWS is forecasting the river to begin rising early Friday and crest at 30.7 feet in moderate flood stage.
- Moderate flood stage at Glasgow occurs at 27.0 feet.
- For stage-related impacts and other site specific details go to: <https://water.weather.gov/ahps2/hydrograph.php?wfo=eax&gage=glzm7>





Forecast Hydrograph
issued Sept. 30, 2019

- The Missouri River at Jefferson City is in moderate flood stage at 24.2 feet. The NWS is forecasting the river to begin rising late Friday and crest at 25.7 feet in moderate flood stage.
- Moderate flood stage at Jefferson City occurs at 25.0 feet.
- For stage-related impacts and other site specific details go to: <https://water.weather.gov/ahps2/hydrograph.php?wfo=eax&gage=glzm7>



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

