



Missouri Water Resources Center

Mississippi River Flood Conditions Report

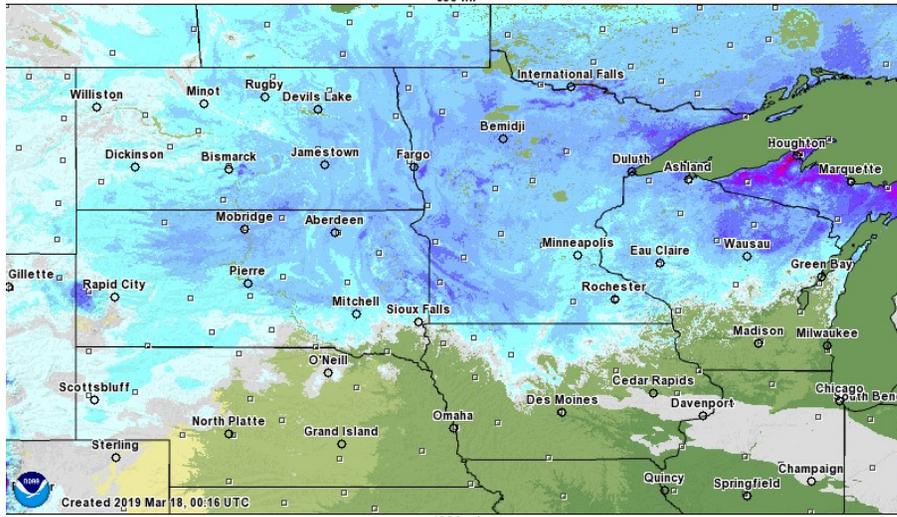
April 17, 2019

Mississippi River Flooding Status

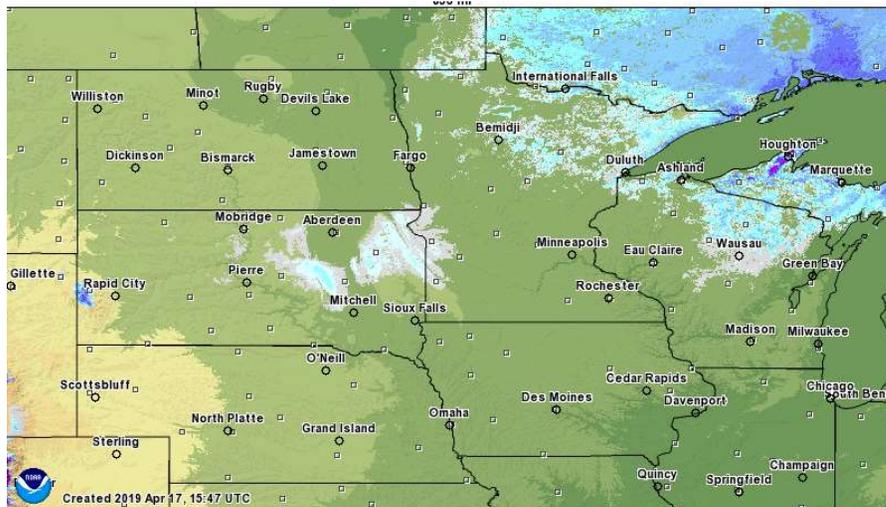
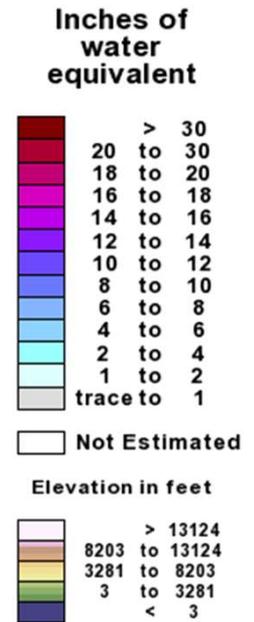
- Capacity in the Mississippi River system has substantially improved, with flood waters receding in most locations along the river. No locations adjacent to the state of Missouri are currently in major flood stage. There are still sections of the river to the north in Iowa that remain in major flood stage.
- Forecasts for the Mississippi River are currently incorporating only 24-hour future precipitation into river forecasts. The weather system that had been predicted to move into the area midweek is now expected to track further east, with most of the heavy precipitation expected to fall outside the Mississippi River basin.
- Flooding on the Mississippi River earlier this spring was primarily driven by snowpack on the upper reaches of the Mississippi River watershed. All the snowpack has melted in Iowa and Illinois, and very little remains above St. Paul, Minnesota even after modest additions from last week's weather system.
- The Ohio River gage at Cairo (at the confluence of the Ohio and Mississippi Rivers) had receded to minor flood stage. A small increase in river levels predicted by later this week, with a crest in moderate flood stage.



Changes in Snowpack

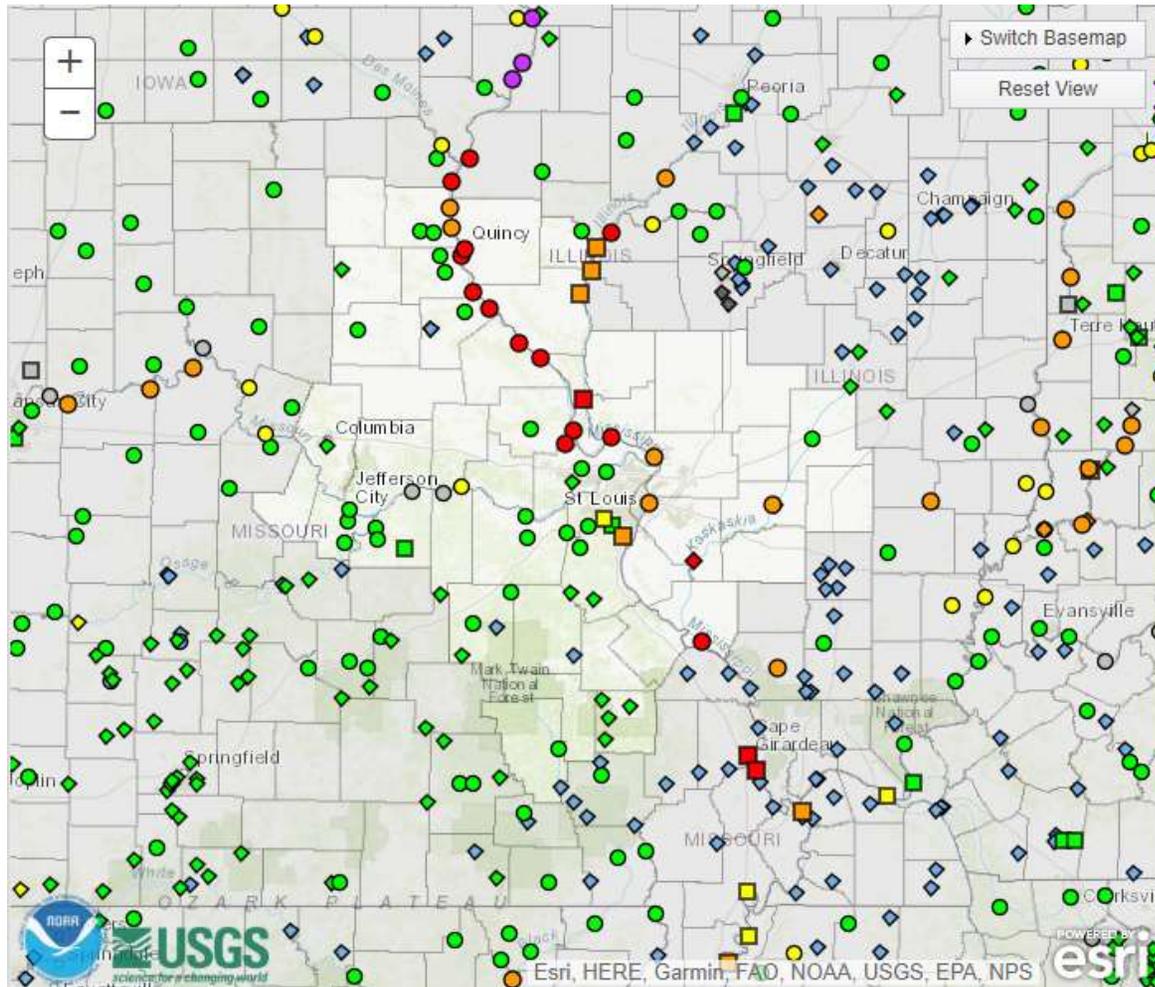


Previous (03/17)



Current (04/17)

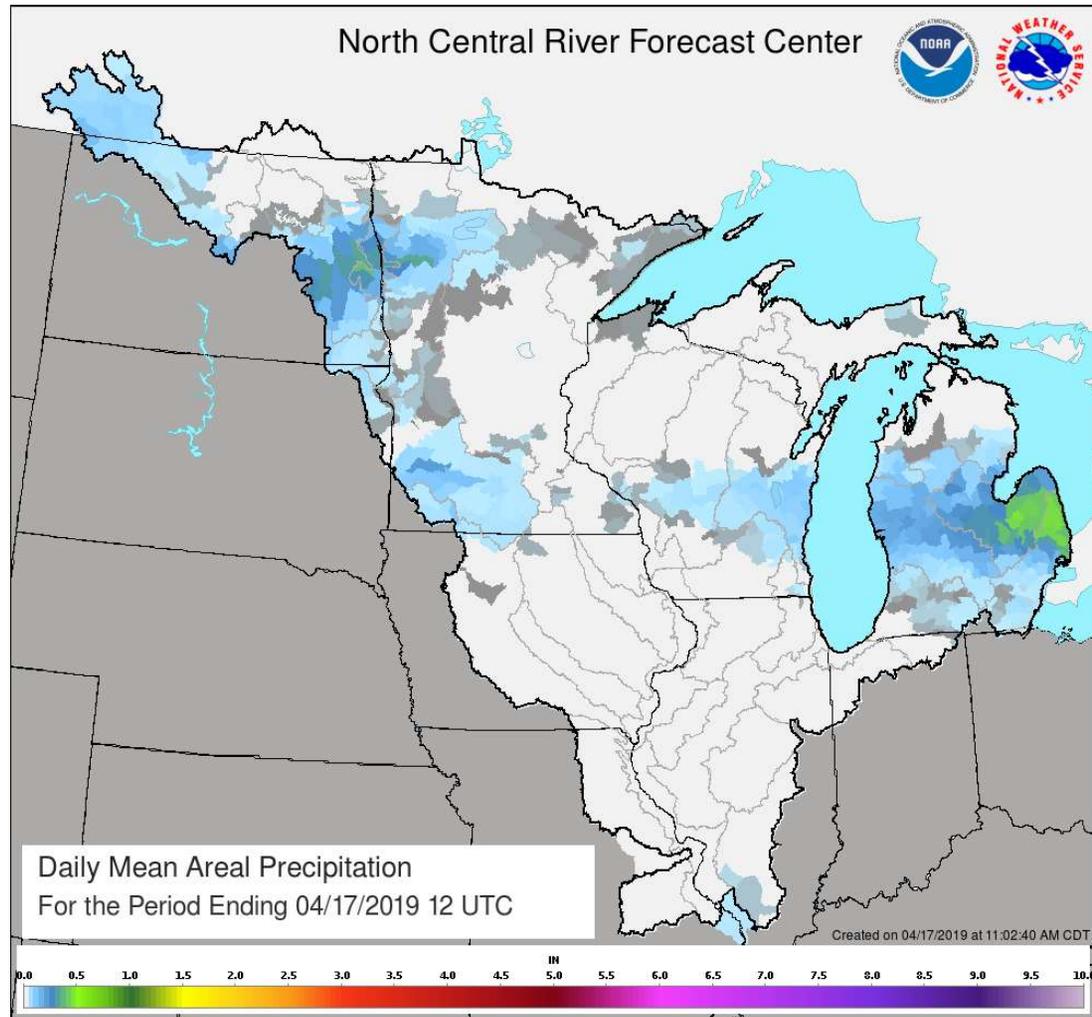
Regional River Gage Status





MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

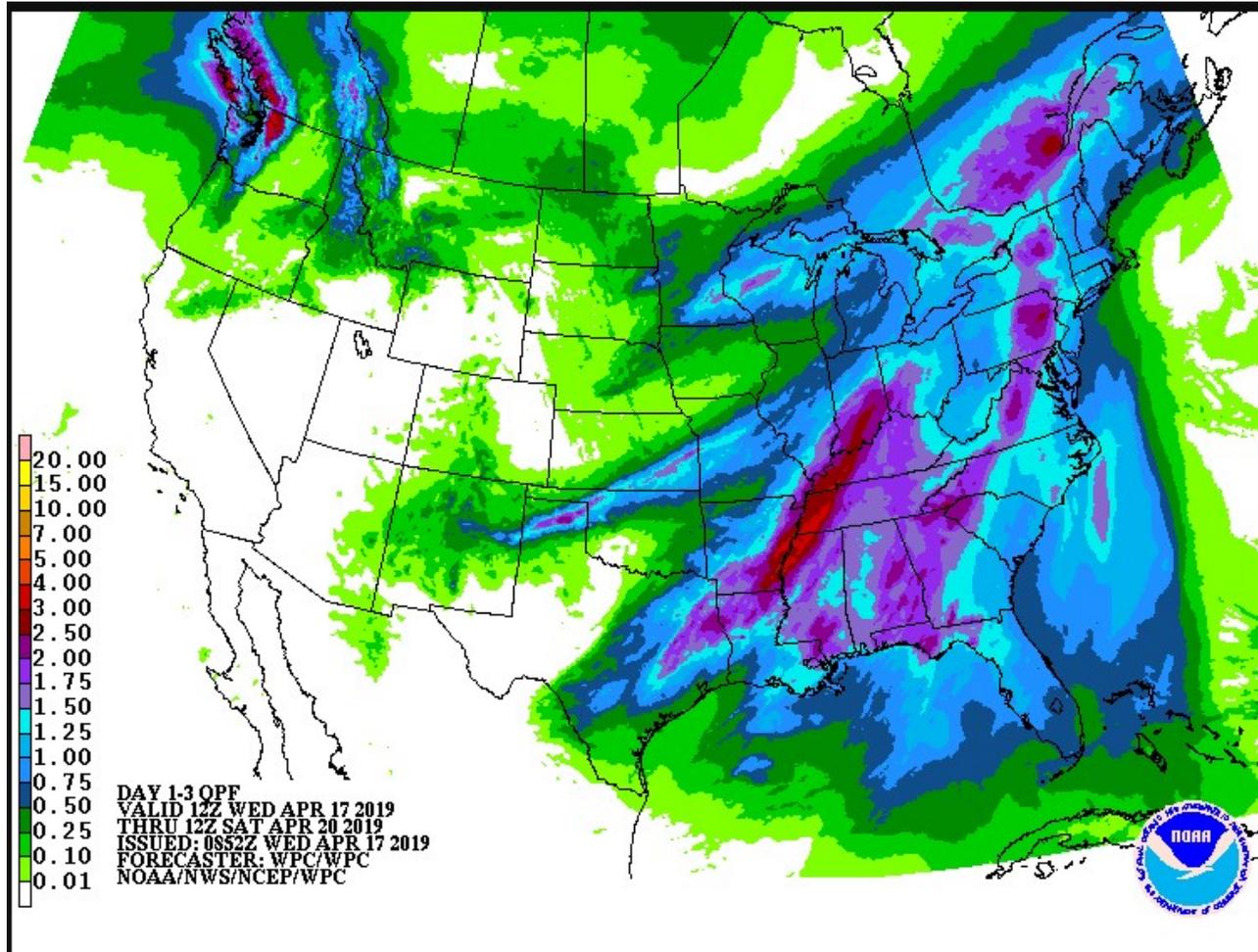
24-hour Observed Precipitation





MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

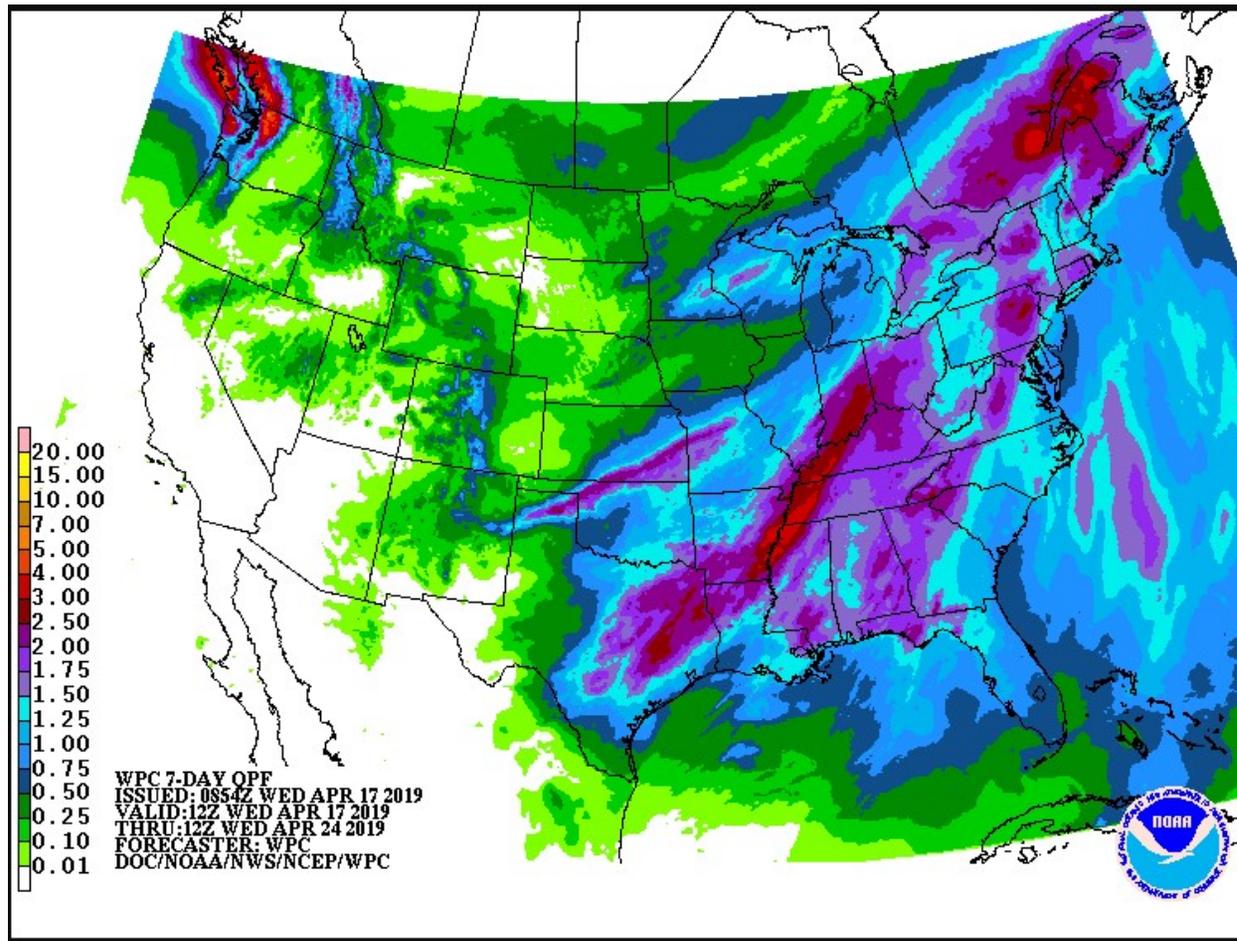
3 Day Total Quantitative Precipitation Forecast (QPF)

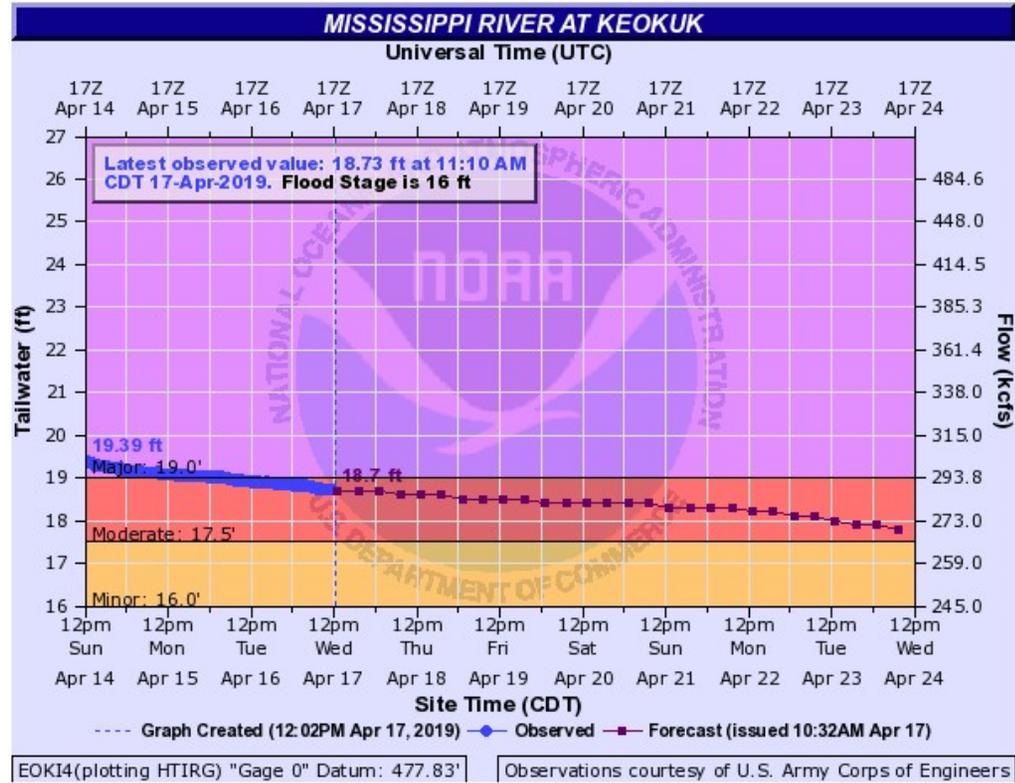




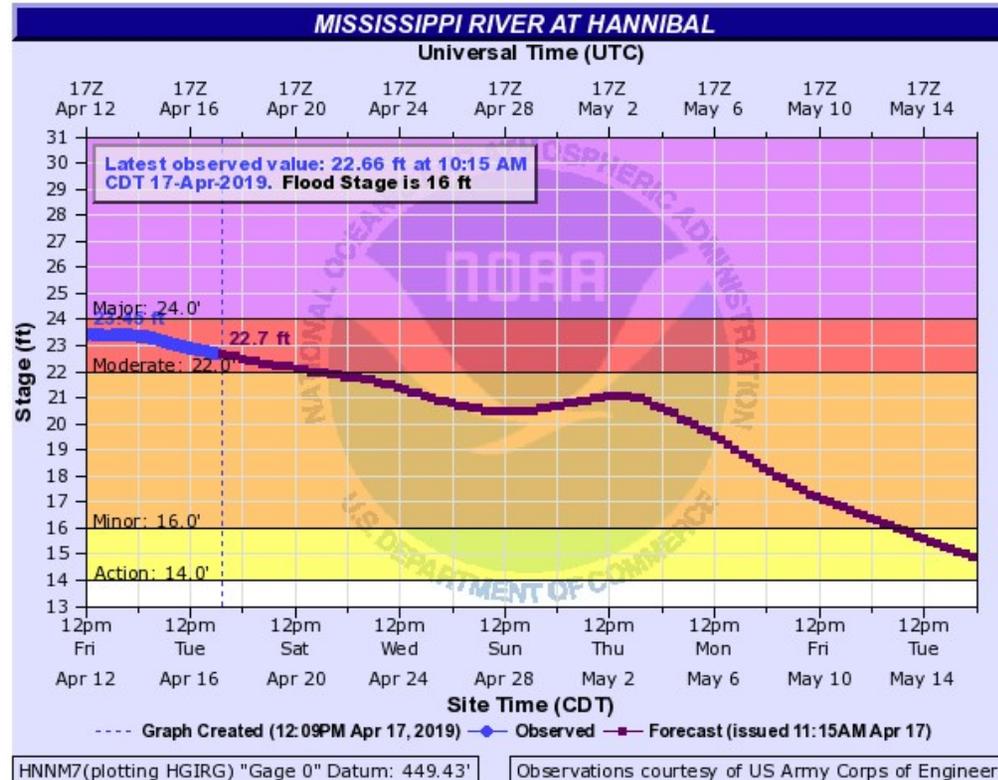
MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

7-Day Total Quantitative Precipitation Forecast (QPF)





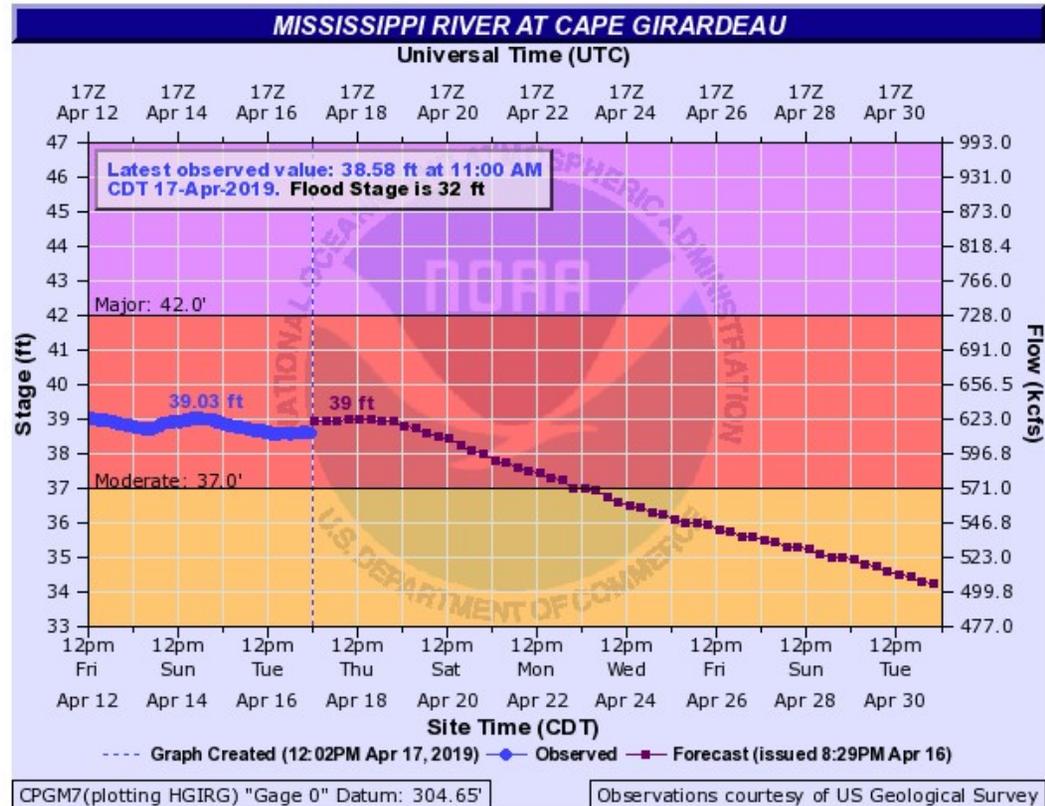
- The Mississippi River at Keokuk is receding and dropped to moderate flood stage.
- At Keokuk, the river levels of 19 feet close U.S Highway 61 at the bridge over the Des Moines River and affect County Road 12.



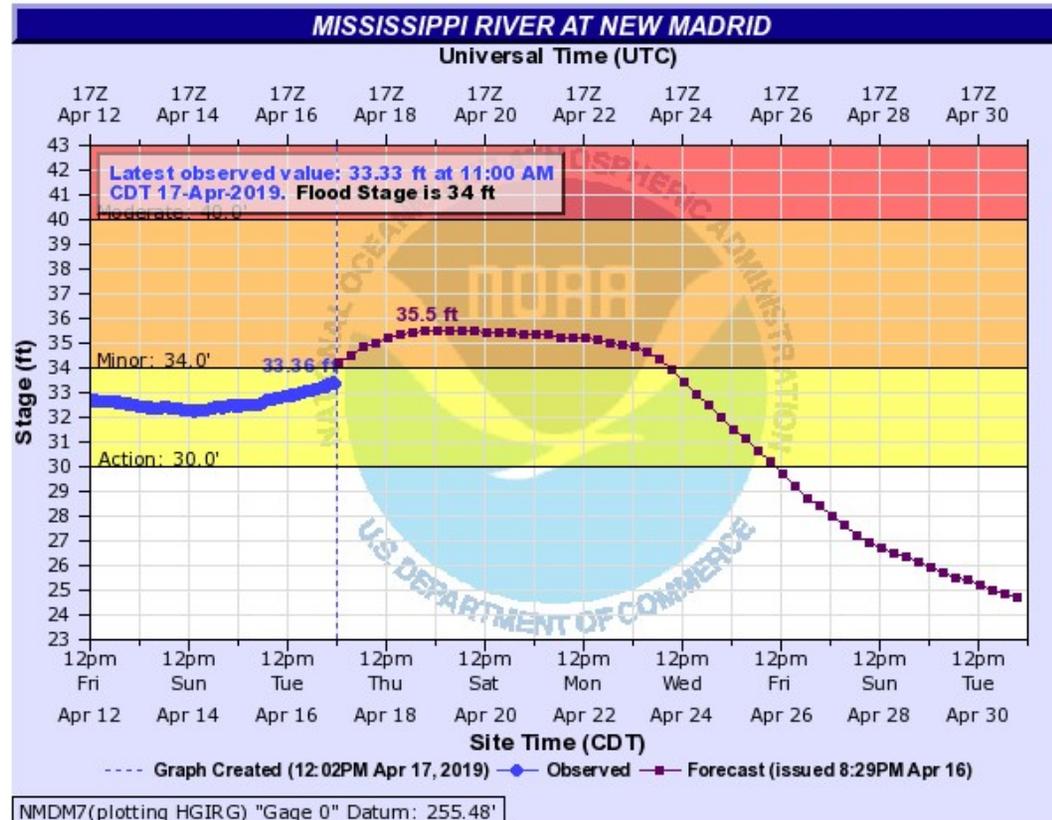
- The Mississippi River at Hannibal is in moderate flood stage at 22.7 feet and is expected to continue receding over next few days.
- At Hannibal, river levels of 22 feet activate preparations to install flood gates along the city river front district, Burlington Northern Railroad tracks begin to flood, Highway 79 is impacted and flooding occurs at low lying areas that are unprotected.



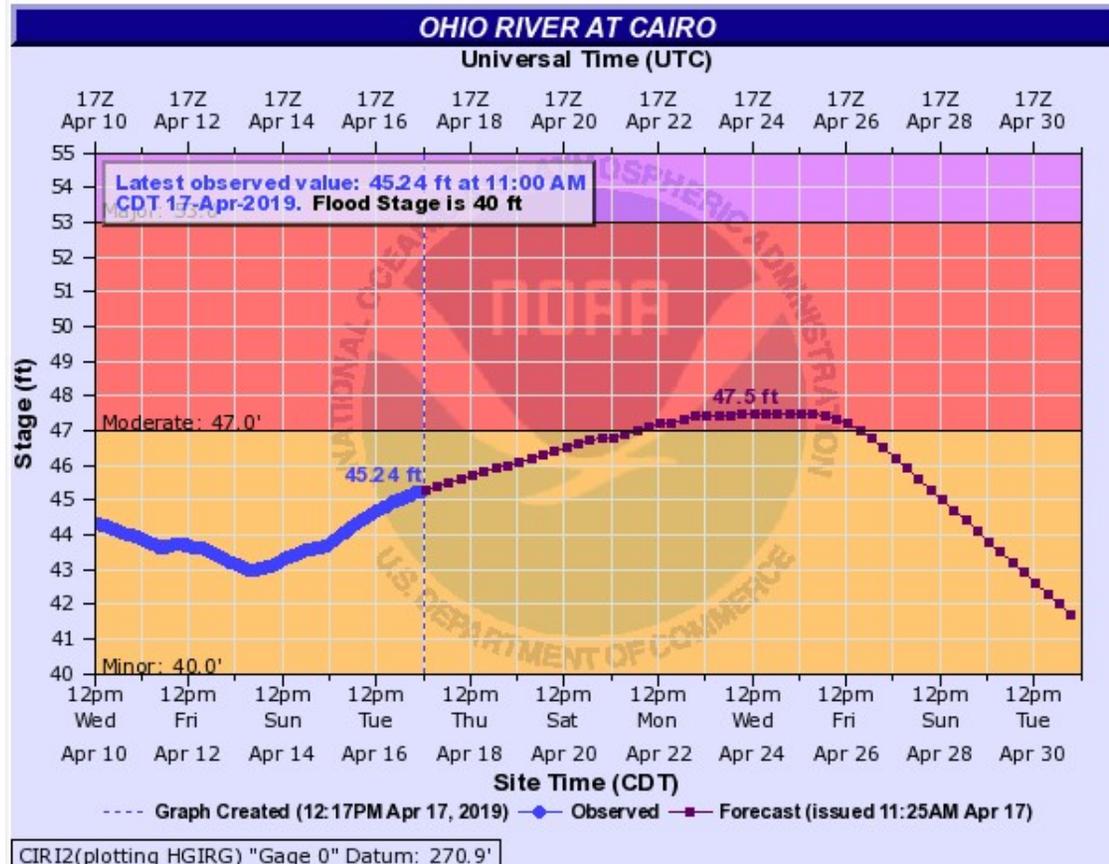
- The Mississippi River at Saverton (Lock and Dam 22) had dropped to moderate flood stage and is predicted to continue to recede over the next several days.
- At Saverton, river levels of 21 feet causes Lock and Dam 22 to reach its navigational limit, and buildings in unprotected areas are damaged.



- The Mississippi River at Cape Girardeau is in moderate flood stage at 39 feet.
- At Cape Girardeau at 36 feet the flood gage at Themis Street closes and at 38 feet the flood gate at Broadway Street closes.



- The Mississippi River at New Madrid is currently out of flood stage, with a small rise back into minor flood stage predicted over the next few days.
- At Cape Girardeau at 36 feet the flood gage at Themis Street closes and at 38 feet the flood gate at Broadway Street closes.



- The Ohio River (at confluence with the Mississippi River at Cairo, Illinois) is in minor flood stage at 45.24 feet and predicted to rise 2.5 feet to moderate flood stage later in the week.

Resources for Further Information

- Department of Natural Resources Flood Page:
<https://dnr.mo.gov/flood>
- National Weather Service – Mississippi River Flooding:
<https://www.weather.gov/dvn/MississippiRiverOutlook>
- National Weather Service – River Forecasts, Missouri Basin:
https://www.weather.gov/dvn/River_Levels#Top
- Missouri Water Resources Center – Mississippi River Informational Page: https://dnr.mo.gov/geology/wrc/interstate-waters/mississippi_river.htm