



Missouri Water Resources Center

Mississippi River Flood Conditions Report

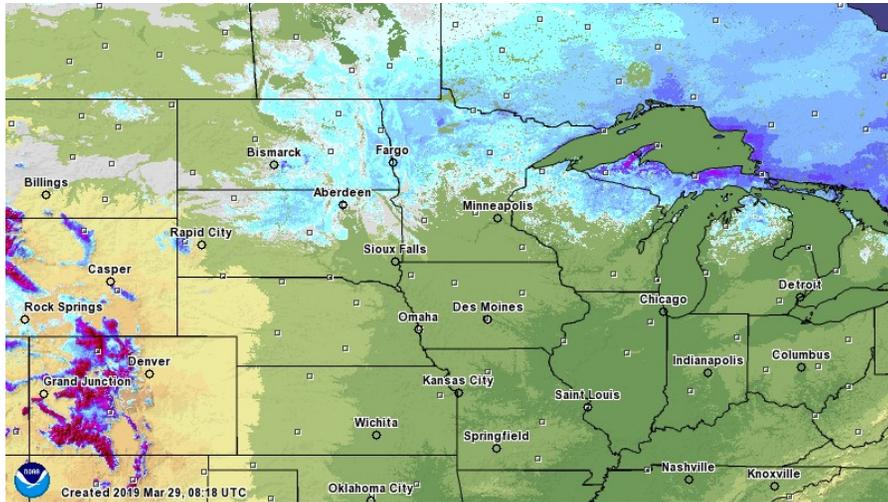
April 16, 2019

Mississippi River Flooding Status

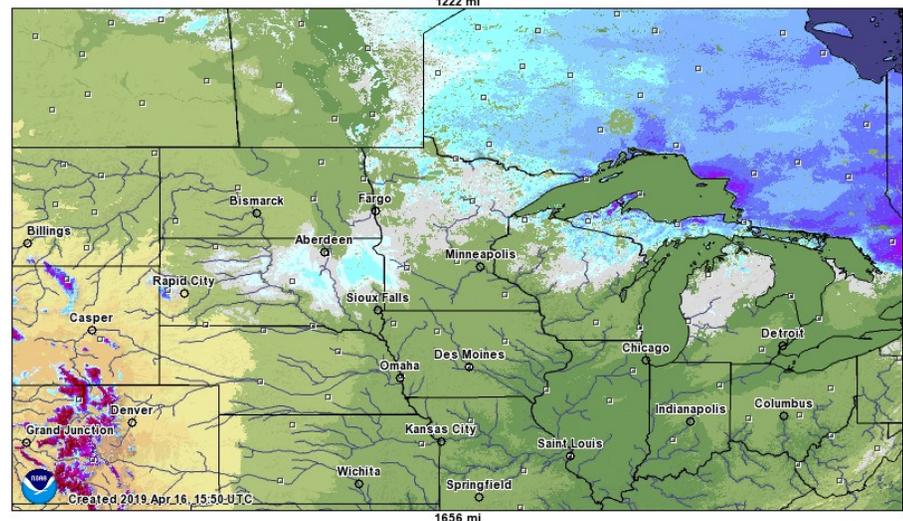
- Capacity in the Mississippi River system has improved, with flood waters receding in most locations along the river. The exception is sectors of the river along the Iowa and Illinois border which are predicted to remain in major flood stage.
- Forecasts for the Mississippi River are currently incorporating only 24-hour future precipitation into river forecasts. A new weather system that is predicted to move into the area midweek. This system 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. While much of the snowpack has melted in Iowa and Illinois, some winter snowpack remains above St. Paul, Minnesota with 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, nearing moderate flood stage is predicted by later this week.



Changes in Snowpack

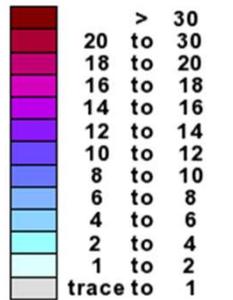


Modeled Snow Water Equivalent forecasted for 2019 April 16, 14:00 UTC



Previous (03/28)

Inches of water equivalent



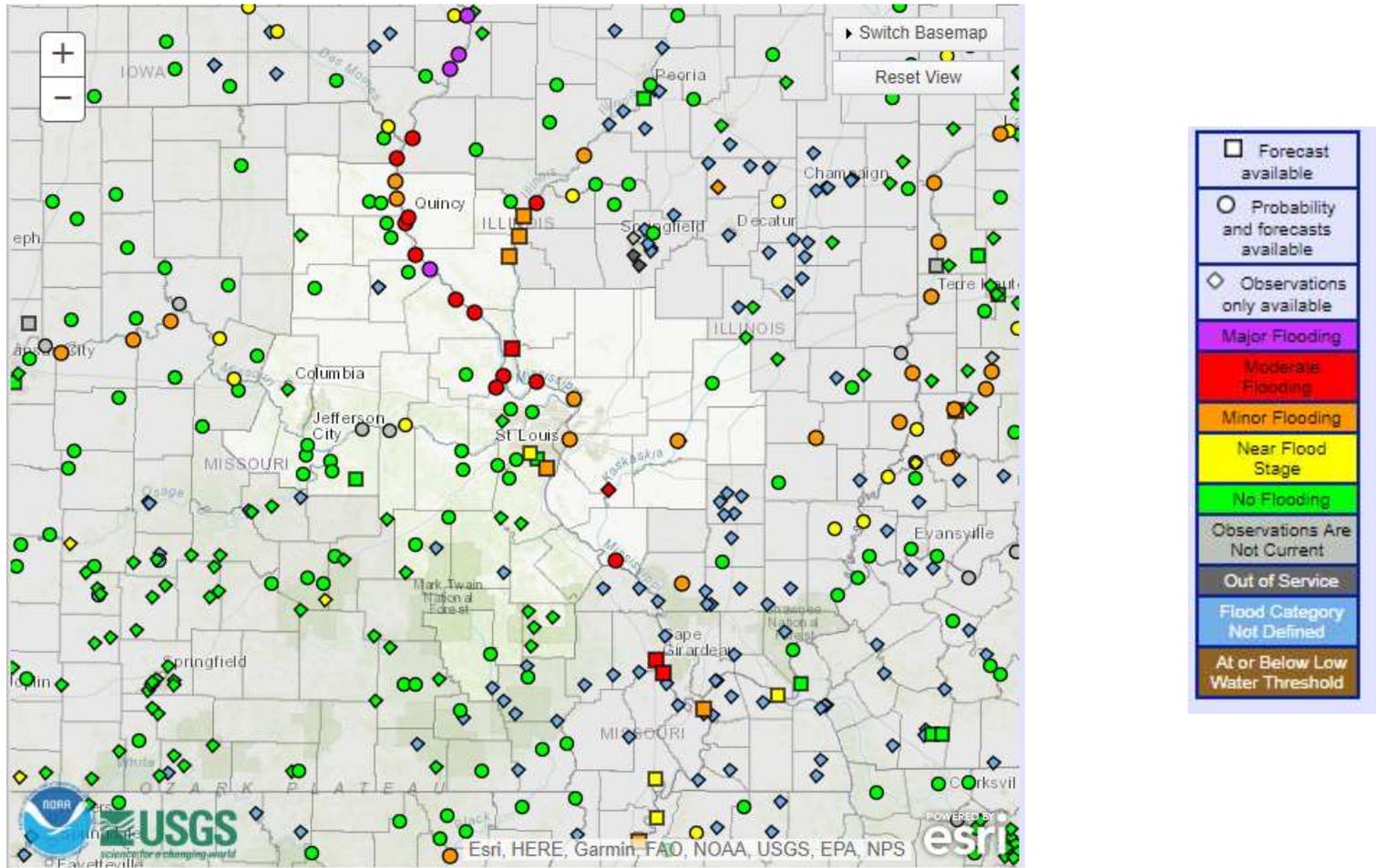
[White Box] Not Estimated

Elevation in feet



Current (04/15)

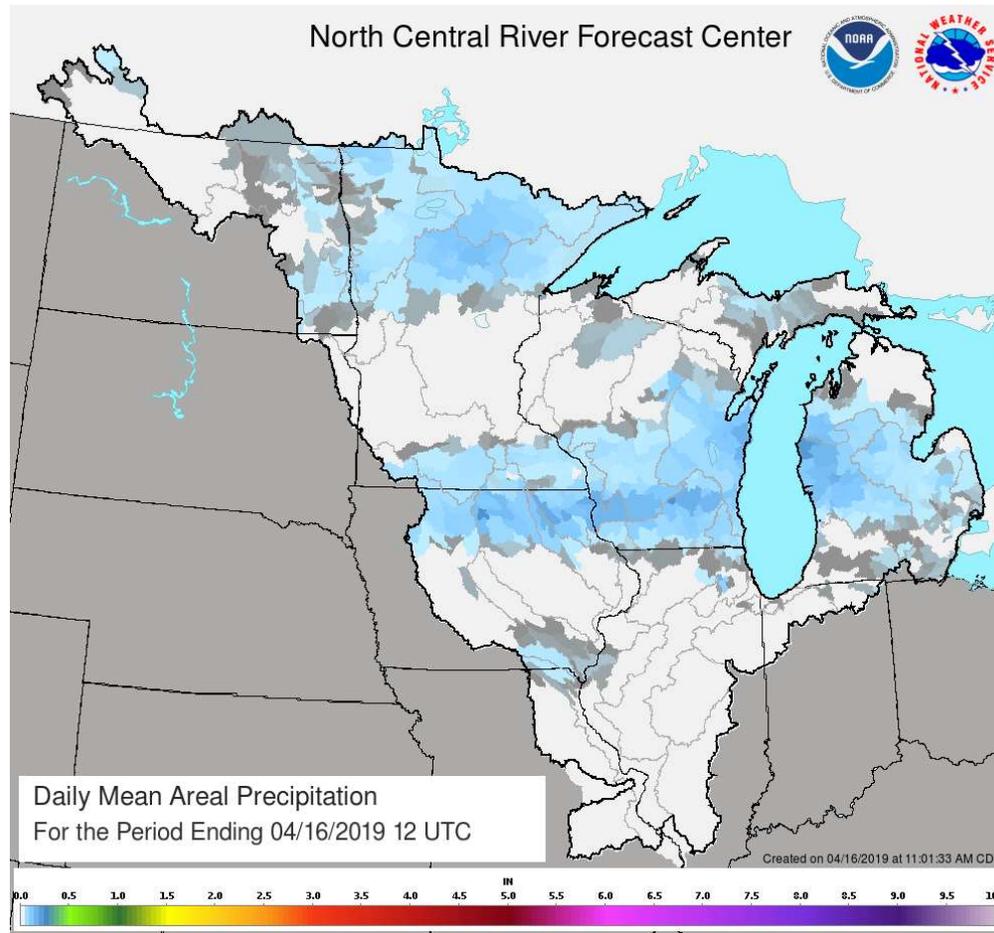
Regional River Gage Status





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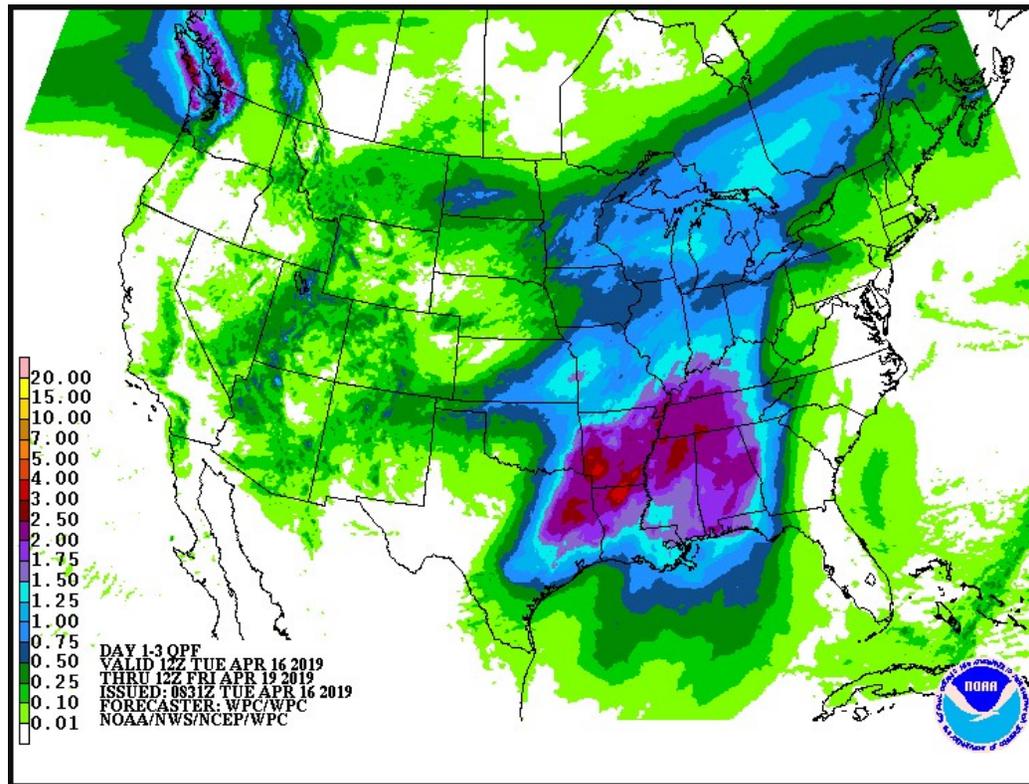
24-hour Observed Precipitation





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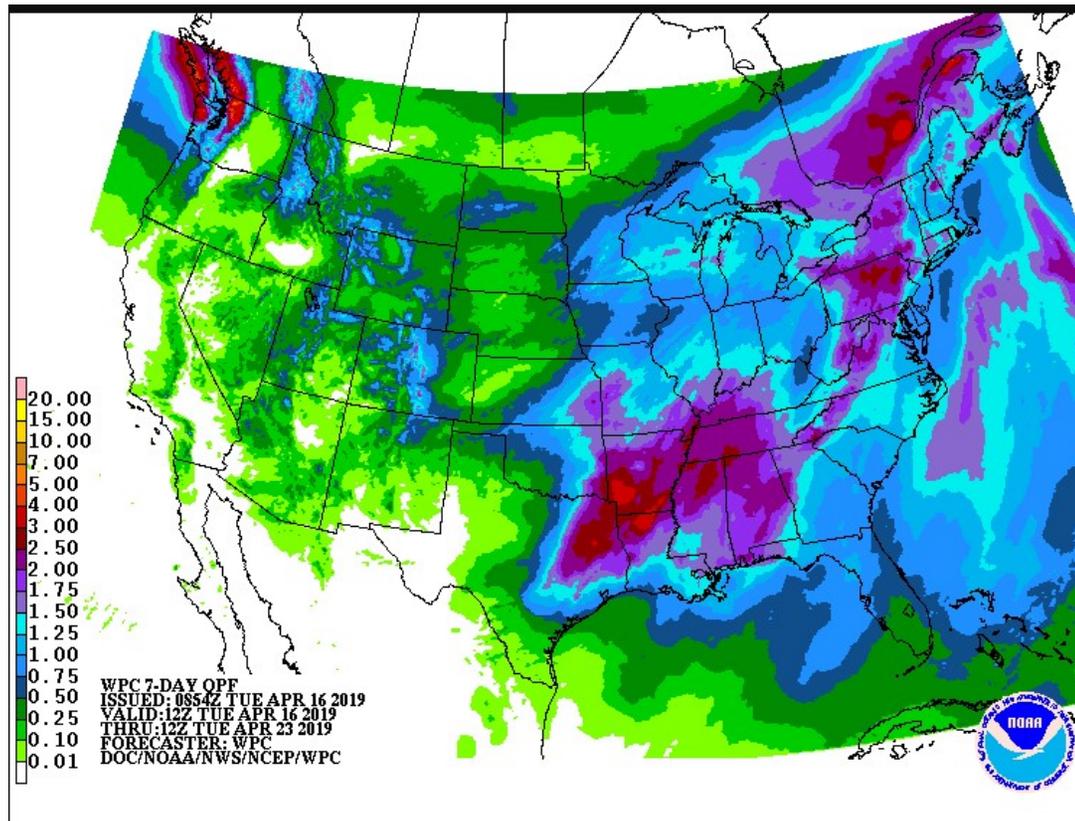
3 Day Total Quantitative Precipitation Forecast (QPF)





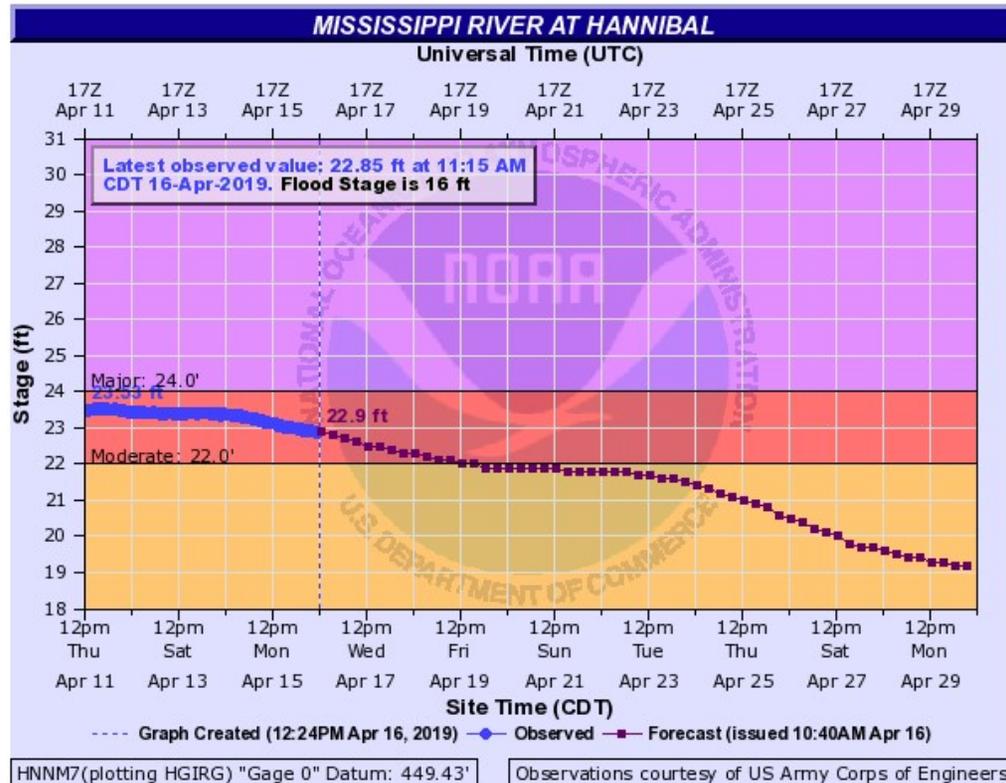
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7-Day Total Quantitative Precipitation Forecast (QPF)

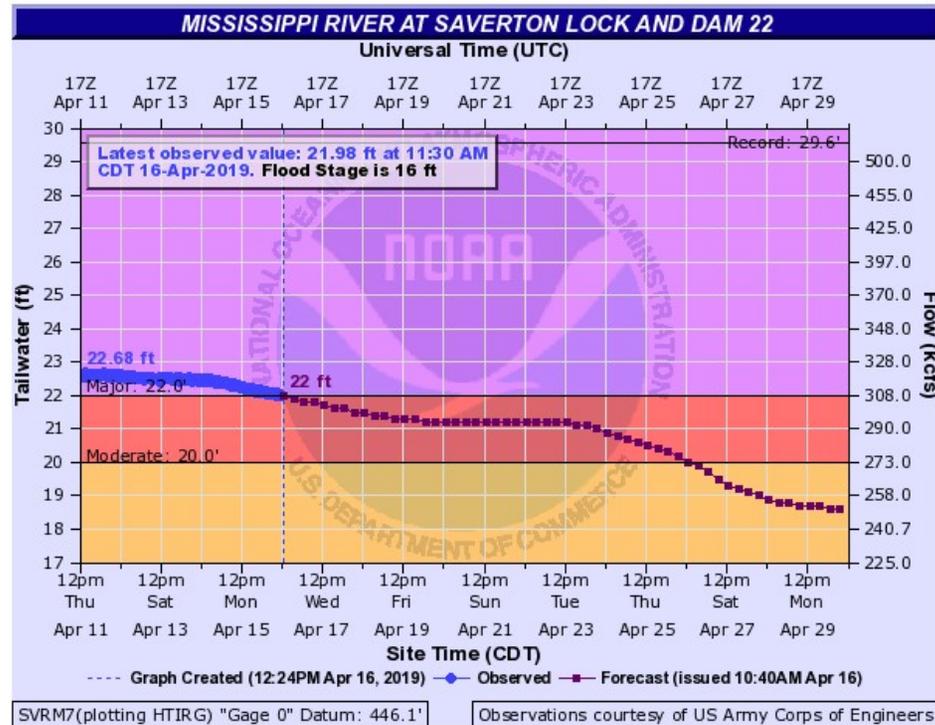




- The Mississippi River at Keokuk is receding and dropped to moderate flood stage.
- At Keokuk, the river levels of 19 feet close U.S Highway 61 at the bridge over the Des Moines River and affect County Road 12.



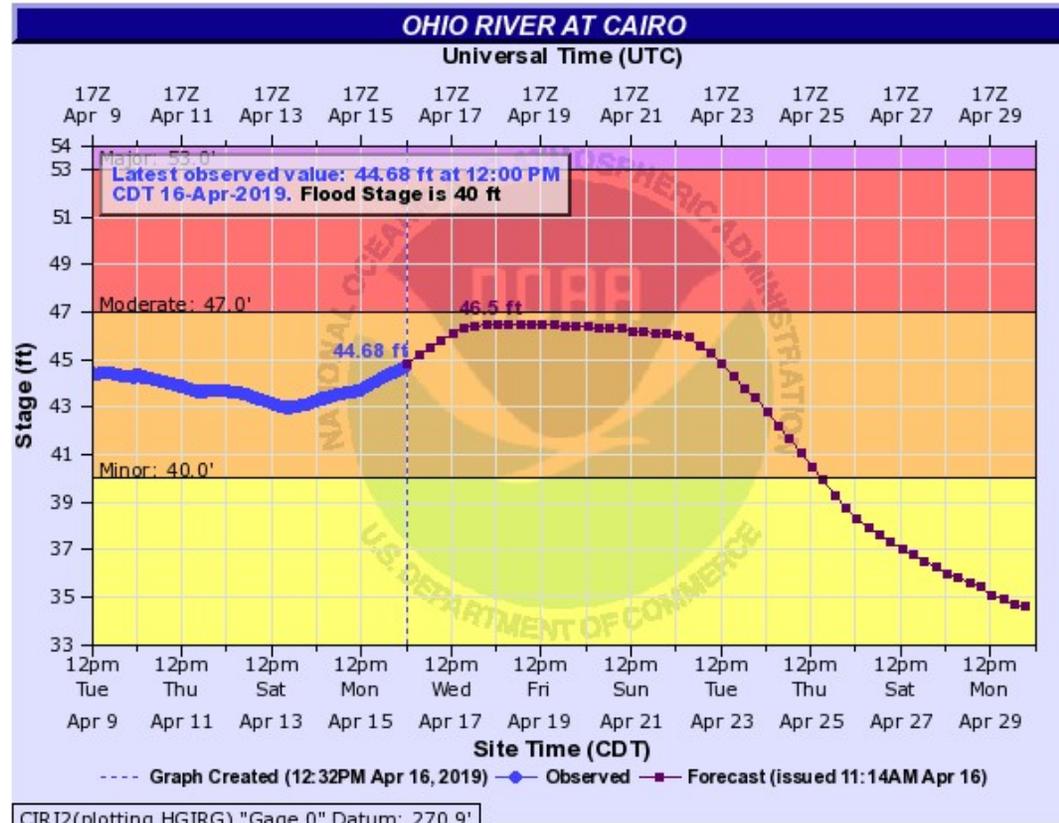
- The Mississippi River at Hannibal is in moderate flood stage at 22.9 feet and is expected to begin receding over next few days.
- At Hannibal, river levels of 22 feet activate preparations to install flood gates along the city river front district, Burlington Northern Railroad tracks begin to flood, Highway 79 is impacted and flooding occurs at low lying areas that are unprotected.



- The Mississippi River at Saverton (Lock and Dam 22) is receding and will drop from major flood stage at 22.2 feet to moderate flood stage today.
- 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 39.2 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 Ohio River at confluence with the Mississippi River at Cairo, Illinois is in minor flood stage at 44.68 feet and predicted to rise 2 feet over next 2 days.

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