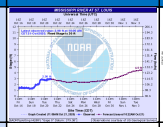
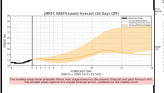
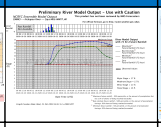
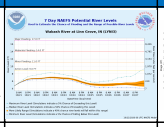
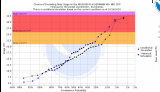
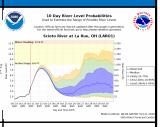
	Official AHPS	NAEFS-28day	QPF Ensembles	MMEFS	ESP	HEFS
						
Offices Participating	All RFCs	LMRFC display web graphics NCRFC display web graphics MBRFC text only available ABRFC text only on Wednesdays	ABRFC LMRFC MBRFC NCRFC	OHRFC	ABRFC (HEFS also displayed) MBRFC NCRFC LMRFC (HEFS also displayed)	ABRFC (10 & 90 day) MBRFC (complete spring 2023) NCRFC (complete spring 2023) LMRFC (complete spring 2023) OHRFC (10 & 90 day)
NOAA/NWS Forecast Precipitation Duration for river forecasts	**ABRFC:** 24hrs year-round **MBRFC & NCRFC:** 24 hrs Summer 48 hrs Winter * **LMRFC:** 24hrs tributaries 48hrs Mississippi River **OHRFC:** 48hrs year-round	16 days	9 Forecasts produced with QPF durations: 0, 12, 24, 48, 72, 96, 120, 144, and 168 hours PQPF: 5% (min) & 95% (max) QPF for durations: 12, 24, 48, 72 hrs	10 days	90 days of Historical Precipitation	Short Range: 10 Days Long Range: 90 days
Forecast Length	**ABRFC:** 5 days **LMRFC:** 5 days, 14 days on Miss R **MBRFC:** 5-7 days, 10 days in MT **NCRFC:** 7 days, 14 days on Miss R **OHRFC:** 5-10 days	28 Days	ABRFC: 7 days with 10 days on the Lower Arkansas (in AR) Elsewhere: 14 Days	10 days	90 Days	Short Range: 10 Days Long Range: 90 days
USACE, USBR, TVA, and power company Reservoir Releases	Uses real-time reservoir operation information	**ABRFC:** Uses real-time reservoir operation information (5 days); then hold last value constant **LMRFC:** Uses real-time reservoir operation information (does include OHRFC input) **MBRFC:** Uses real-time operational info; then uses simulated reservoir operations from respective agency's water control manuals **NCRFC:** Uses real-time operational info; then uses simulated reservoir operations	**ABRFC:** Uses real-time reservoir operation information **LMRFC:** Uses real-time reservoir operation information **MBRFC:** Uses real-time reservoir operation information available at run-time **NCRFC:** Uses real-time reservoir operation information	**OHRFC:** Uses simulated reservoir operations water control manuals	**ABRFC:** Uses real-time operational info; then uses simulated reservoir operations **LMRFC:** Uses real-time operational info; then uses simulated reservoir operations from water control manuals **MBRFC:** Uses real-time operational info; then uses simulated reservoir operations from water control manuals where available **NCRFC:** Uses real-time operational info; then uses simulated reservoir operations	**ABRFC:** Uses real-time operational info; then uses simulated reservoir operations **LMRFC:** Uses real-time operational info; then uses simulated reservoir operations from water control manuals **MBRFC:** Uses real-time operational info; then uses simulated reservoir operations from water control manuals **NCRFC:** Uses real-time operational info; then uses simulated reservoir operations **OHRFC:** Uses simulated reservoir operations water control manuals
NOAA/NWS River Forecast Model	Includes forecaster modifications/corrections	Includes some forecaster modifications/corrections below the confluence of the Ohio & Mississippi Rivers	Not forecaster quality controlled	Not forecaster quality controlled	Not forecaster quality controlled	Not forecaster quality controlled
NOAA/NWS Uncertainty	**Single forecast** (no uncertainty info provided) -MBRFC provides these forecasts with a cone of uncertainty based on prior forecast skill	**Single forecast** (no uncertainty info provided) -LMRFC provides cone of uncertainty based on prior forecast skill	**Single Forecasts: 7 QPF durations** (no uncertainty info provided)	**Ensemble of Forecasts** Uncertainty provided through 42 possible outcomes	**Ensemble of Forecasts** Uncertainty provided through dozens of possible outcomes	**Ensemble of Forecasts** Uncertainty provided through 60+ possible outcomes
Forecast Frequency	As needed	**Daily:** NCRFC, MBRFC, LMRFC **Wednesday only:** ABRFC	Daily	Twice daily	Monthly	**10 Day:** Daily (all) **90 Day:** **ABRFC:** Bimonthly **LMRFC:** Weekly **MBRFC:** coming soon **NCRFC:** coming soon **OHRFC:** Weekly
How to Access	https://water.weather.gov/ahps/ https://www.weather.gov/mbrfc/maeuncertainty	https://www.weather.gov/lmrfc/experimental_28day_mississippi_plot https://www.weather.gov/ncrfc/LMI_WS_QPFScenarioGuidance# https://www.weather.gov/mbrfc/16dayQPF	https://www.weather.gov/crh/rfc_ensemble https://www.weather.gov/source/abrfc/RawModel/	https://www.weather.gov/erh/mmefs	AHPS Hydrograph -Probability Information tab https://water.weather.gov/ahps/long_range.php	AHPS Hydrograph -Probability Information tab
Additional Help/ Fact Sheet	https://water.weather.gov/ahps2/pdf/hydrograph_terminology.pdf https://www.weather.gov/mbrfc/maeuncertainty	https://www.weather.gov/lmrfc/experimental_28day_mississippi_plot_about	https://www.weather.gov/media/crh/about_Ens_QPF.pdf	https://www.youtube.com/watch?v=UZoeEh01Ikl&feature=youtu.be https://www.weather.gov/images/ohrfc/dynamic/MMEFS_OHRFC.png	https://water.weather.gov/ahps2/pdf/About_Chance_of_Exceeding_River_Stage_Graphic.pdf	https://water.weather.gov/ahps2/pdf/About_HEFS_Short-term_Product.pdf https://www.weather.gov/images/ohrfc/dynamic/HEFS_OHRFC.png

* Summer: April - September
Winter: October - March

Acronym	Definition
ABRFC	Arkansas-Red Basin River Forecast Center, Tulsa, Oklahoma
LMRFC	Lower Mississippi River Forecast Center,Slidell, Louisiana
MBRFC	Missouri Basin River Forecast Center, Pleasant Hill, Missouri
NCRFC	North Central River Forecast Center, Chanhassen, Minnesota
OHRFC	Ohio River Forecast Center, Wilmington, Ohio
AHPS	Advanced Hydrologic Prediction Service, for more information https://water.weather.gov/ahps/about/about.php
AR	Arkansas
ESP	Ensemble Streamflow Prediction/Probabilistic System, for more information https://water.weather.gov/ahps2/pdf/period_terminology.pdf
HEFS	Hydrologic Ensemble Forecast Service, for more information https://www.weather.gov/abrfc/about_HEFS
MMEFS	Meteorological Model-Based Ensembel River Forecasts, for more information https://www.weather.gov/media/serfc/alert/EnsemblesfactsheetMMEFS.pdf
NAEFS	North American Ensemble Forecast System, for more information https://en.wikipedia.org/wiki/North_American_Ensemble_Forecast_System
PQPF	Probabilistic and Percentile Quantitative Precipitation Forecast, for more information https://www.wpc.ncep.noaa.gov/pqpf/about_pqpf_products.shtml
QPF	Quantitative Precipitation Forecast, for more information https://www.wpc.ncep.noaa.gov/html/fam2.shtml#qpf