

NWS FORM E-5 (11-88) (PRES. by NWS Instruction 10-924)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE		HYDROLOGIC SERVICE AREA (HSA) Tulsa, Oklahoma (TSA)	
MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS				REPORT FOR: MONTH April YEAR 2025	
				SIGNATURE Steven F. Piltz (Meteorologist-in-Charge)	
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283				DATE September 16, 2026	

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924)

☐ An "X" in the box indicates no flood stages were reached in this Hydrologic Service Area (HSA) during the month above.

Several rounds of heavy rainfall in April 2025 resulted in flash flooding and minor to major river flooding across numerous river basins. Tulsa, OK recorded its wettest April on record, with the 2nd wettest April on record occurring in Fayetteville, AR. This report, past E-5 reports, and monthly hydrology and climatology summaries can be found at https://www.weather.gov/tsa/climo_summary_e5list.

Monthly Summary

Using the radar-derived estimated observed precipitation from the RFCs (Fig. 1a), rainfall totals for April 2025 ranged from around 4" to 18" across eastern OK and northwest AR, with much of the area receiving 10"-15". These rainfall totals correspond to 100% to 400% of the normal April rainfall (Fig. 1b). Tulsa, OK recorded its wettest April on record (records began in 1888) and Fayetteville, AR recorded its 2nd wettest April on record (records began in 1950). The State of Oklahoma recorded its 2nd wettest April on record with a statewide average of 8.13", nearing the record of 8.32" in April 1942. Fayetteville, AR also set a new daily rainfall record for the month of April with 5.13" of rain falling on April 4, 2025 (previous record was 4.89" on April 25, 2011). Ten tornadoes occurred in April 2025 (see <https://arcg.is/1D1zrC0> for details).

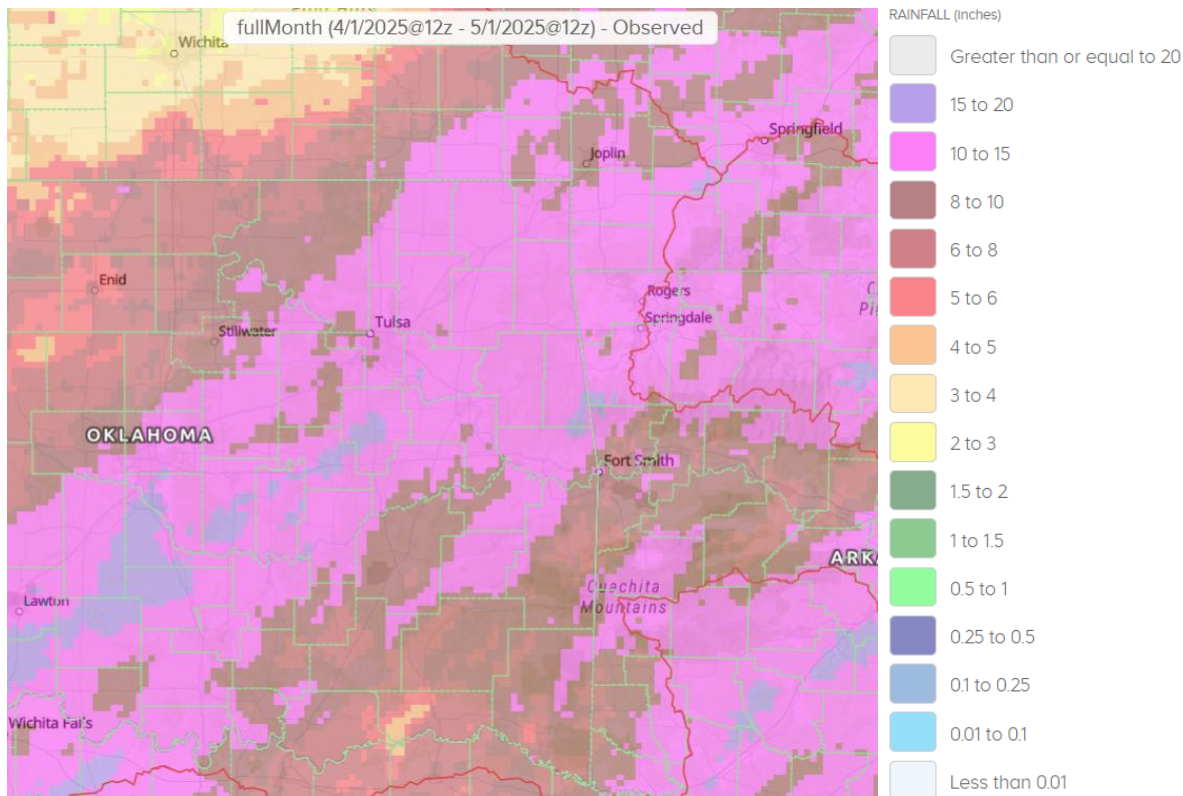


Fig. 1a. Estimated Observed Rainfall for April 2025

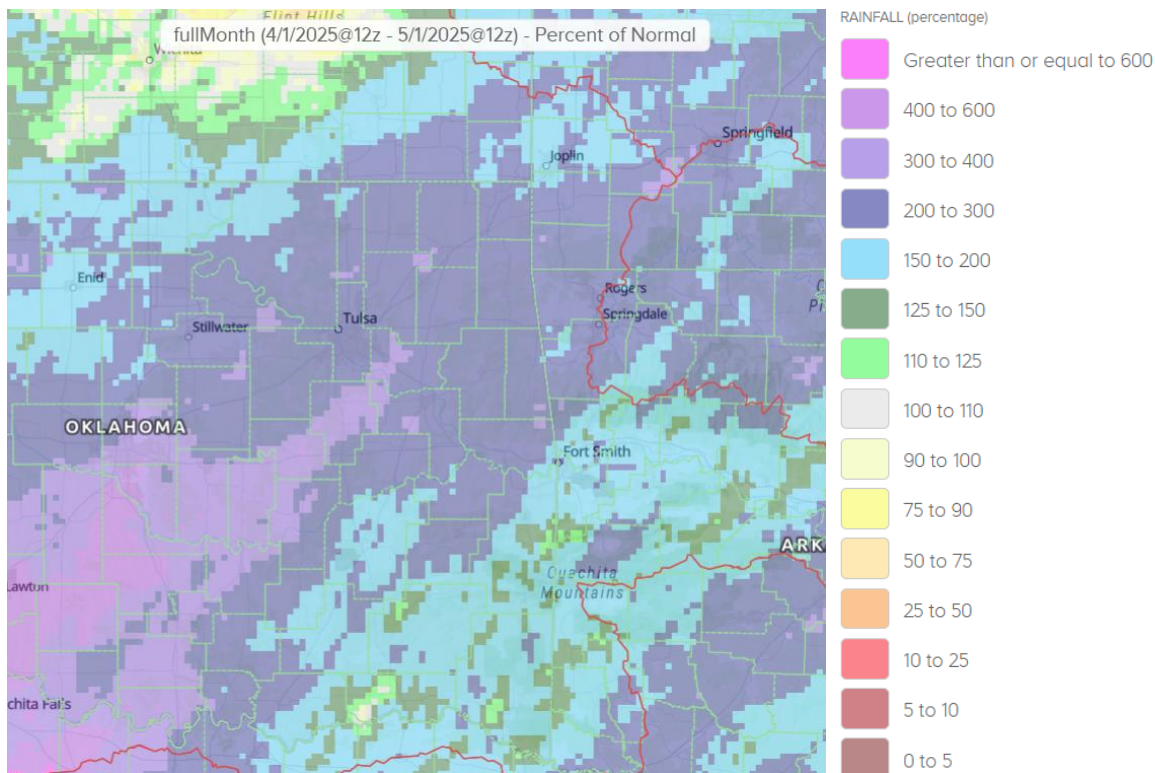


Fig. 1b. Estimated % of Normal Rainfall for April 2025

In Tulsa, OK, April 2025 ranked as the 42nd warmest April (62.1°F; since records began in 1905) and the Record wettest April (10.99", previous record 10.44" in 2017; since records began in 1888). Fort Smith, AR had the 13th warmest April (65.7°F, tied 1889; since records began in 1883) and the 7th wettest April (8.69"; since records began in 1883). Fayetteville, AR had the 9th warmest (61.6°F, tied 2024) and the 2nd wettest (14.29") April since records began in 1950.

Some of the larger precipitation reports (in inches) for April 2025 included:

Okemah, OK (meso)	17.64	Okmulgee, OK (meso)	14.88	Bella Vista 2.2E, AR (coco)	14.48
Fayetteville Drake Field, AR (ASOS)	14.29	Elkins 1.7SE, AR (coco)	13.98	Farmington 0.4NNE, AR (coco)	13.56
Skiatook, OK (meso)	13.31	Haskell, OK (meso)	13.26	Eureka Springs 1.4WSW, AR (coco)	13.25

Some of the lowest precipitation reports (in inches) for April 2025 included:

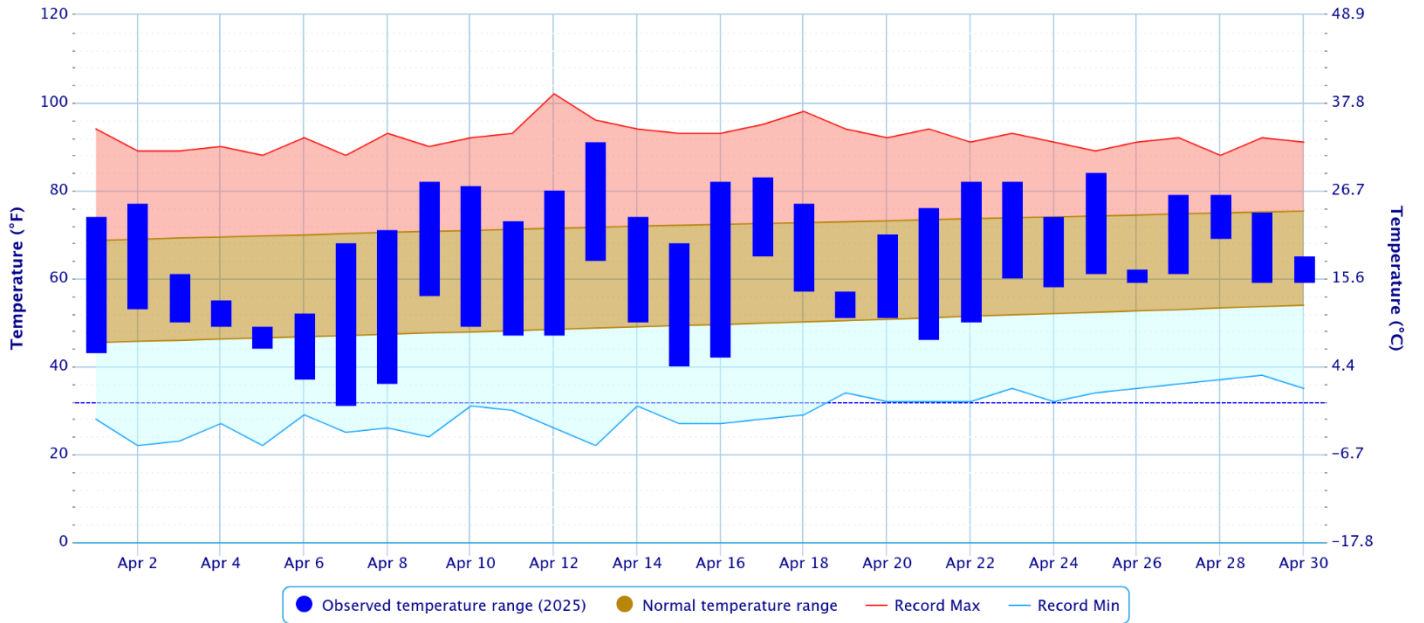
Antlers 6.3SE, OK (coco)	5.19	Antlers, OK (coop)	5.73	Hugo, OK (meso)	6.60
Ozark 4.6S, AR (coco)	6.73	Wister, OK (meso)	7.01	Foraker, OK (meso)	7.71
Van Buren 2.1NNW, AR (coco)	8.60	Clayton, OK (meso)	8.67	Fort Smith, AR (ASOS)	8.60

According to statistics from the [Oklahoma Climatological Survey](#) (OCS) Mesonet:

Rank since 1921	April 2025	Spring-to-Date (Mar 1 – Apr 30)	Water Year-to-Date (Oct 1, 2024 – Apr 30, 2025)	Last 180 Days (Nov 2 – Apr 30)	Year-to-Date (Jan 1 – Mar 31)	Last 365 Days (May 1, 2024 – Apr 30, 2025)
Northeast OK	2nd wettest	6th wettest	9th wettest	3rd wettest	11 th wettest	31 st wettest
East Central OK	1st wettest	6th wettest	11 th wettest	5th wettest	11 th wettest	15 th wettest
Southeast OK	10th wettest	21 st wettest	23 rd wettest	11 th wettest	27 th wettest	33 rd wettest
Statewide	1st wettest	5th wettest	9th wettest	3rd wettest	13 th wettest	22 nd wettest

Daily Temperature Data – Tulsa Area, OK (ThreadEx)

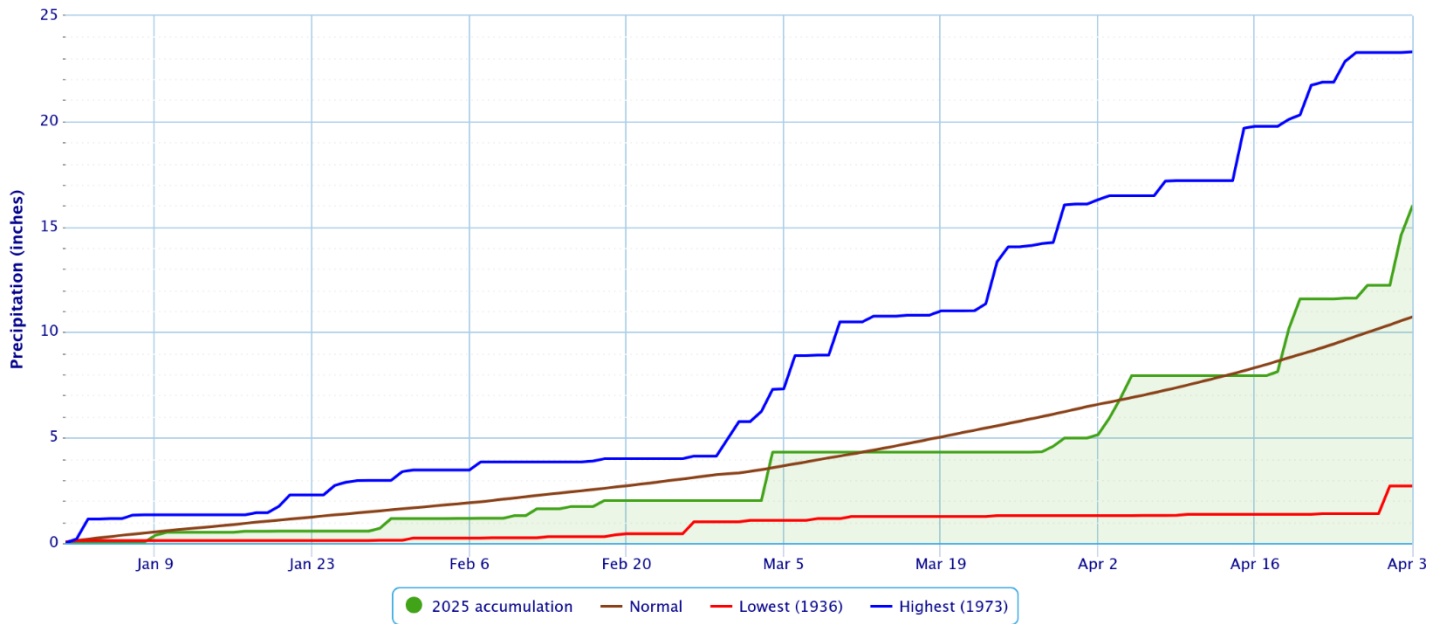
Period of Record – 1905–01–06 to 2025–05–08. Normals period: 1991–2020. Click and drag to zoom chart.



Powered by ACIS

Accumulated Precipitation – Tulsa Area, OK (ThreadEx)

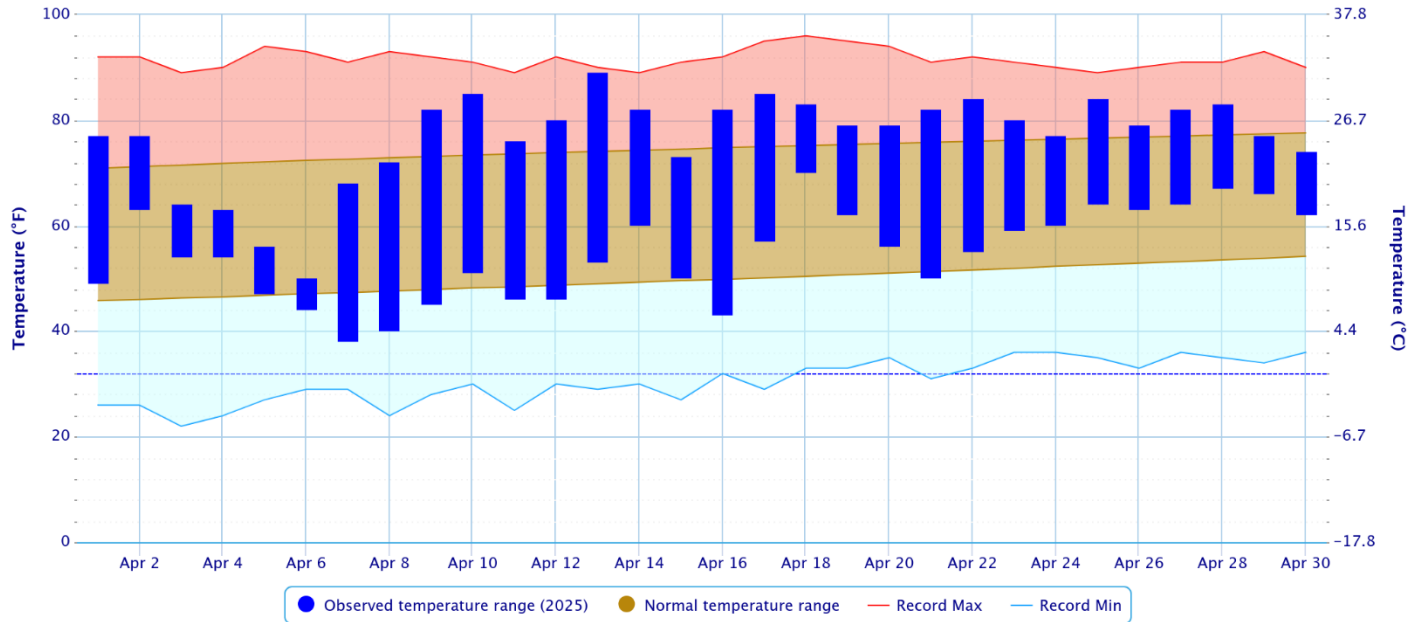
Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



Powered by ACIS

Daily Temperature Data – Fort Smith Area, AR (ThreadEx)

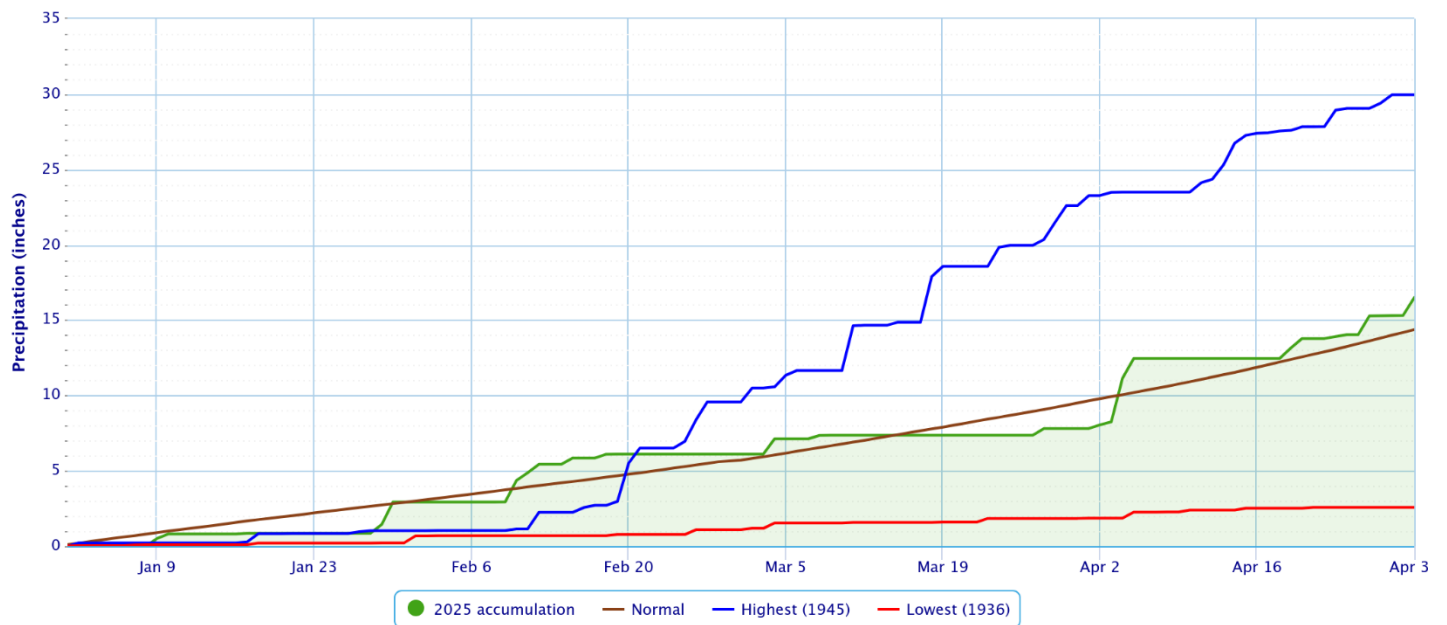
Period of Record – 1882-06-01 to 2025-05-08. Normals period: 1991-2020. Click and drag to zoom chart.



Powered by ACIS

Accumulated Precipitation – Fort Smith Area, AR (ThreadEx)

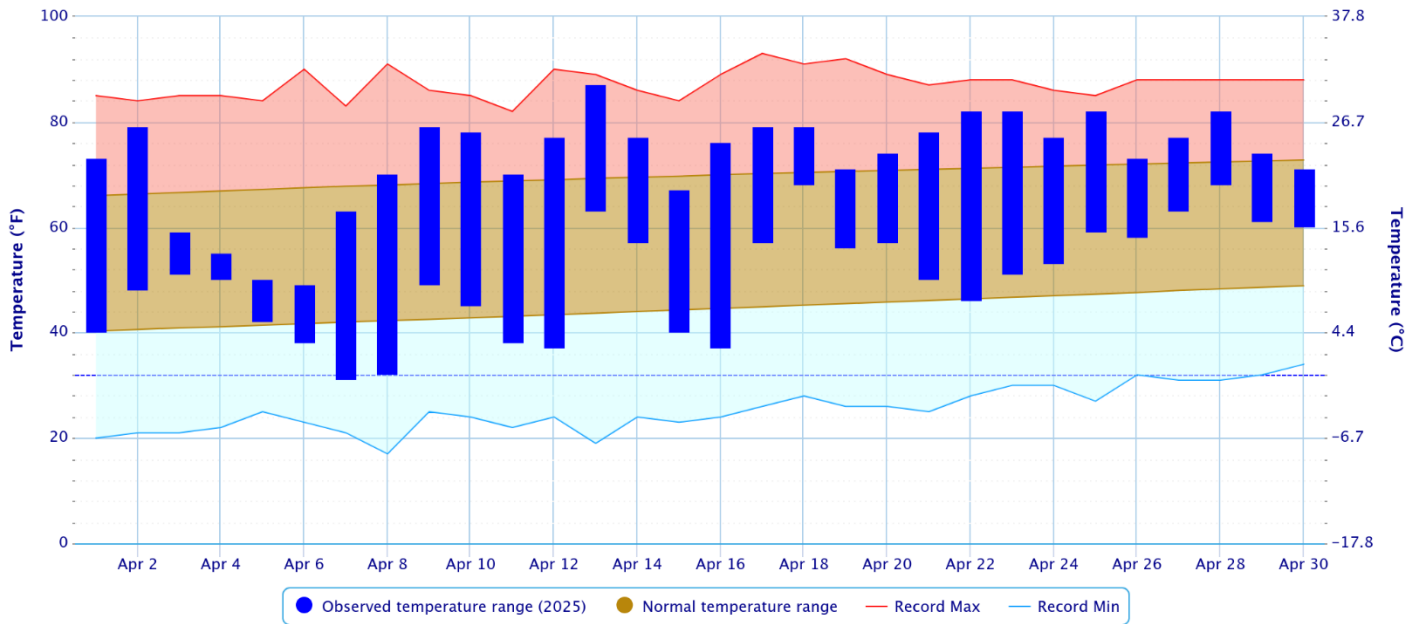
Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



Powered by ACIS

Daily Temperature Data – FAYETTEVILLE DRAKE FIELD, AR

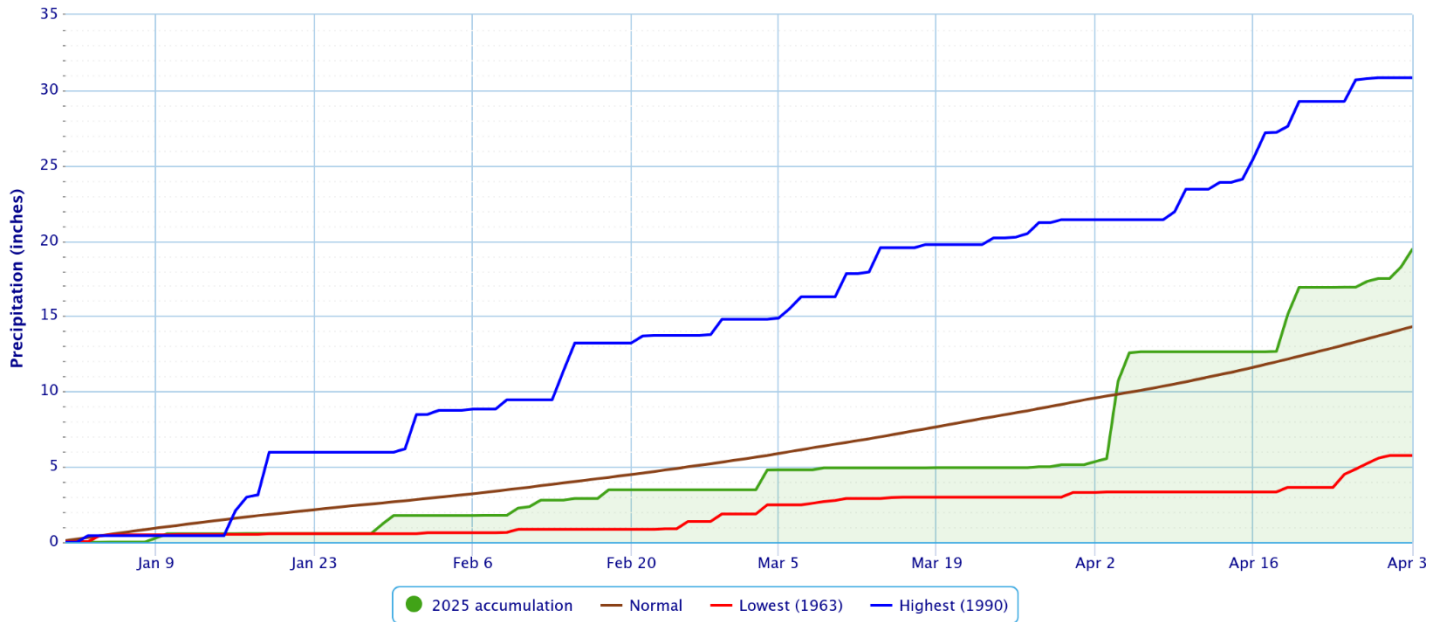
Period of Record – 1949–07–14 to 2025–05–08. Normals period: 1991–2020. Click and drag to zoom chart.



Powered by ACIS

Accumulated Precipitation – FAYETTEVILLE DRAKE FIELD, AR

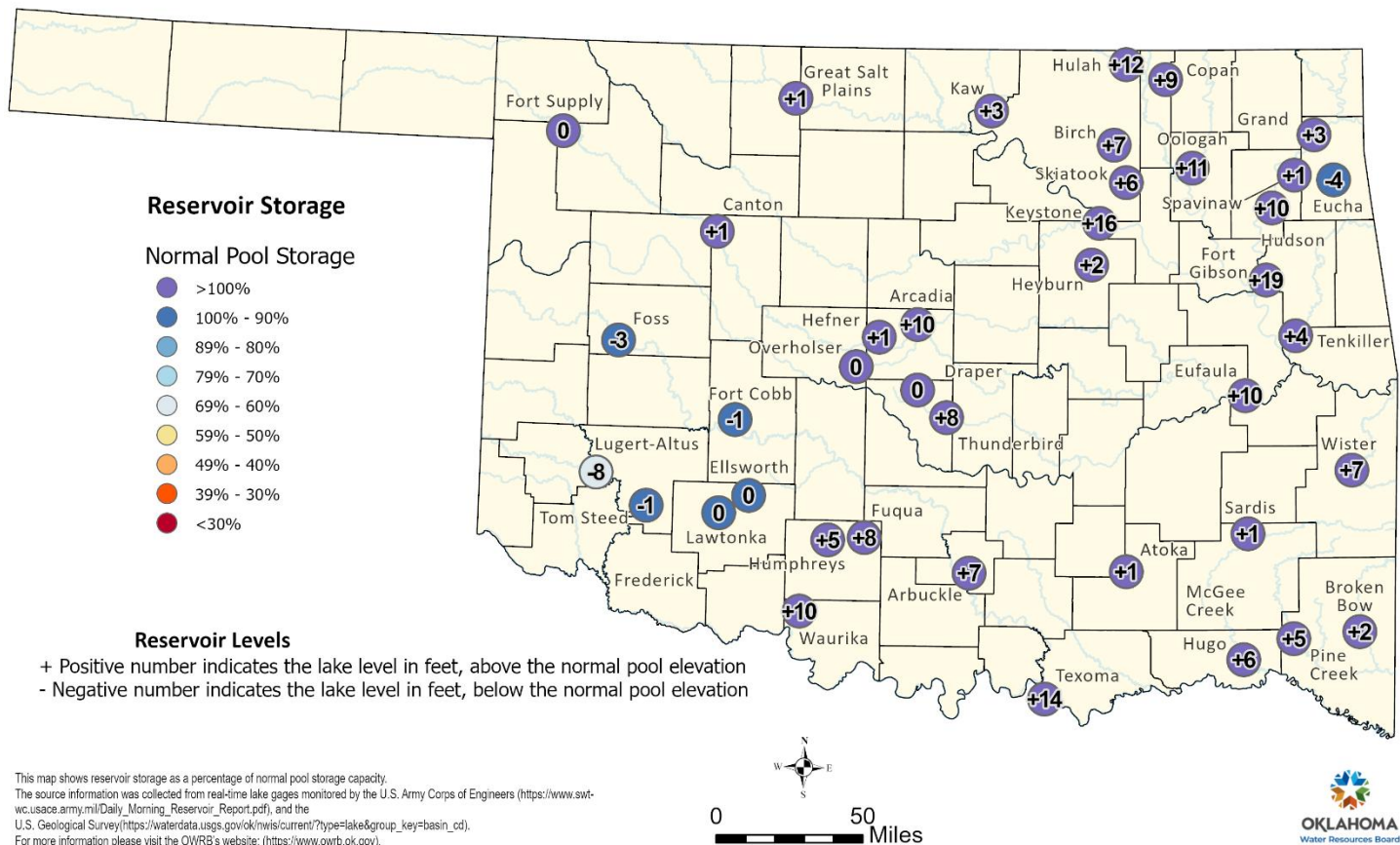
Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



Powered by ACIS

Reservoirs

Oklahoma Reservoir Levels and Storage as of 5/5/2025



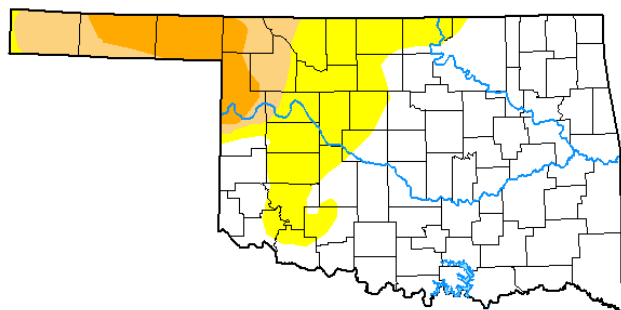
According to the USACE, the majority of lakes in the HSA were utilizing more than 3% of their flood control pools as of 5/1/2025: Beaver Lake 89%, Hudson Lake 45%, Eufaula Lake 42%, Skiatook Lake 39%, Grand Lake 37%, Birch Lake 35%, Oologah Lake 35%, Keystone Lake 32%, Heyburn Lake 28%, Ft. Gibson Lake 26%, Hulah Lake 25%, Copan Lake 23%, Sardis Lake 12%, Hugo Lake 6%, Kaw Lake 6%, and Wister Lake 5%. No lakes were more than 3% below the top of their conservation pools.

Drought

According to the [U.S. Drought Monitor](#) (USDM) from April 29, 2025 (Figs. 2, 3), there was no drought present in eastern OK and northwest AR. Abnormally Dry (D0) but not in drought conditions were occurring in parts of Osage and eastern Kay Counties in eastern OK.

U.S. Drought Monitor Oklahoma

April 29, 2025
(Released Thursday, May. 1, 2025)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	66.86	33.14	14.14	6.91	0.00	0.00
Last Week 04-22-2025	54.00	46.00	32.02	2.74	0.00	0.00
3 Months Ago 01-28-2025	73.89	26.11	5.24	0.33	0.00	0.00
Start of Calendar Year 01-01-2025	70.28	29.72	5.52	0.33	0.00	0.00
Start of Water Year 10-01-2024	22.82	77.18	61.31	37.39	11.50	0.00
One Year Ago 04-30-2024	41.10	58.90	28.10	9.12	0.00	0.00

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Richard Tinker
CPC/NOAA/NWS/NCEP

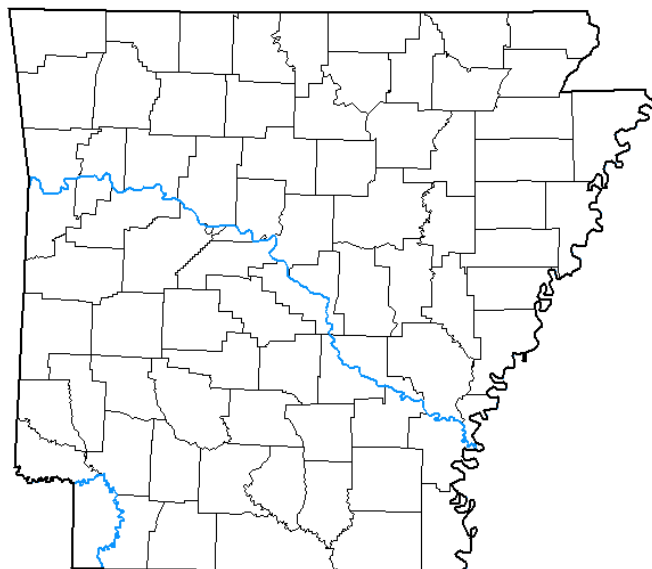


droughtmonitor.unl.edu

Fig. 2. Drought Monitor for Oklahoma

U.S. Drought Monitor Arkansas

April 29, 2025
(Released Thursday, May. 1, 2025)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	100.00	0.00	0.00	0.00	0.00	0.00
Last Week 04-22-2025	100.00	0.00	0.00	0.00	0.00	0.00
3 Months Ago 01-28-2025	97.20	2.80	0.00	0.00	0.00	0.00
Start of Calendar Year 01-01-2025	86.02	13.98	0.00	0.00	0.00	0.00
Start of Water Year 10-01-2024	27.93	72.07	38.75	5.49	0.00	0.00
One Year Ago 04-30-2024	75.53	24.47	6.46	0.64	0.00	0.00

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Richard Tinker
CPC/NOAA/NWS/NCEP



droughtmonitor.unl.edu

Fig. 3. Drought Monitor for Arkansas

Outlooks

The [Climate Prediction Center](#) (CPC) outlook for May 2025 (issued April 30, 2025) indicates an enhanced chance for above normal temperatures and above median precipitation across all of eastern OK and northwest AR. This outlook was based on dynamical and statistical model output along with long-term trends. A wet pattern is anticipated for the first half of May across the Southern Plains.

For the 3-month period May-June-July 2025, CPC is forecasting an enhanced chance for above normal temperatures across all of eastern OK and northwest AR (outlook issued April 17, 2025). This outlook also calls for an equal chance for above, near, and below median precipitation for southeast OK into northwest AR, and an enhanced chance for below median precipitation for northeastern OK. This outlook is based on long-term trends, ENSO state, and incorporates a suite of statistical and dynamical forecast tools. According to CPC, "ENSO-neutral is favored through the Northern Hemisphere summer 2025 (74% chance during June-August), with chances exceeding 50% through August-October 2025."

Summary of Heavy Precipitation Events Daily quality-controlled rainfall maps can be found at: http://water.weather.gov/precip/index.php?location_type=wfo&location_name=tsa

Moderate to Major flood event: April 2-5, 2025

A warm, moist airmass was in place across the region ahead of a cold front and approaching upper-level jet streak. Thunderstorms developed along the front and moved east into eastern OK in the pre-dawn hours of the 2nd. This cold front and associated line of storms continued to move east-southeast across all of eastern OK and northwest AR before exiting the area by late afternoon. Two EF-1 tornadoes occurred in northeast OK within the squall line during the morning hours (see <https://arcg.is/1D1zrCO> for details). Another round of showers and thunderstorms developed once again in the pre-dawn hours of the 3rd, this time across southeast OK as a warm front was lifting back northward and another shortwave trough moved through the southwesterly flow aloft. This rain quickly expanded northward across most of eastern OK and northwest AR by 7am on the 3rd. 24-hour rainfall totals ranged from 0.1" to near 2" (Figs. 4, 5). The widespread rainfall increased in intensity through the morning, before shifting northeast. Most of the rain exited the area by early afternoon, though scattered showers and thunderstorms lingered across northeast OK through the afternoon. Stronger convection also continued along a boundary from southeast OK into west central AR during the afternoon through mid-evening hours. A cutoff upper-level trough began slowly advancing eastward, with strong southwest flow aloft continuing over the region for several more days. Several rounds of showers and thunderstorms occurred through the 6th, focused along the stalled frontal boundary that was meandering over the region. The continued moist advection along and south of this boundary brought unseasonably high precipitable water (PWAT) values into the region, allowing for efficient, heavy rainfall. For the third night, convection developed during pre-dawn hours of the 4th and rapidly expanded in coverage and intensity through 7am. 24-hour rainfall totals through 7am April 4th ranged from 0.1" to near 3" (Fig. 6). Several rounds of thunderstorms moved east-northeast across all of eastern OK and northwest AR through much of the day. By mid-evening, the rain had ended across most of eastern OK; however, showers and thunderstorms continued to train from southeast OK, along the OK/AR state line, and into northwest AR for much of the evening hours before moving east of the area just after midnight. This resulted in high rainfall totals across this area. Fayetteville, AR set a new daily rainfall record for the month of April with 5.13" of rain falling on April 4, 2025 (previous record was 4.89" on April 25, 2011). After a brief break in the rain, another round of showers and thunderstorms moved northeast into eastern OK in the pre-dawn hours of the 5th. Once again, this convection rapidly expanded over all of eastern OK and northwest AR by 7am. 24-hour rainfall totals by 7am April 5 ranged from 0.2" to 8" (Figs. 7-9). There were numerous reports of flash flooding and road closures on the 4th and 5th due to the heavy rainfall.

24-hour rainfall totals ending 7am 4/5/2025:

Prairie Grove 0.8ESE, AR	5.10	Fayetteville 4.0ENE, AR	4.57	Bella Vista 2.2E, AR	4.13
Springdale 0.6E, AR	4.70	Talihina 4SE, OK	4.47	Fayetteville 1.8NE, AR	4.10
Wister 3NNE, OK	4.60	Canehill 0.7SSE, AR	4.21		

Widespread showers and thunderstorms continued through the morning hours before quickly ending from southwest to northeast during the late morning through early afternoon hours of the 5th. As the main upper trough axis finally moved across the region during the overnight hours, some scattered light rain, possibly mixed with some light snow, affected primarily northeast OK. 24-hour rainfall totals through 7am April 6 were 0.5" to 2" (Fig. 10).

In total, rainfall amounts from April 2-6 ranged from around 1" to around 10" across eastern OK and northwest AR, with widespread 3"-8" along and southeast of I-44 (Figs. 11-15). Widespread heavy rain within the Lee Creek basin resulted in Major flooding downstream of the Lee Creek Reservoir. Moderate flooding also occurred along the Illinois River and Poteau River. Minor flooding occurred along the Kiamichi River, Baron Fork, and Arkansas River at Ozark Lock & Dam. See Fig. 16, the E3 report, and preliminary hydrographs at the end of this report for more details. The 7-day average streamflow on April 7, 2025 at numerous USGS river gages across eastern OK and western AR were above the 90th percentile, with many reporting the highest streamflow on record for this time period (Fig. 17).

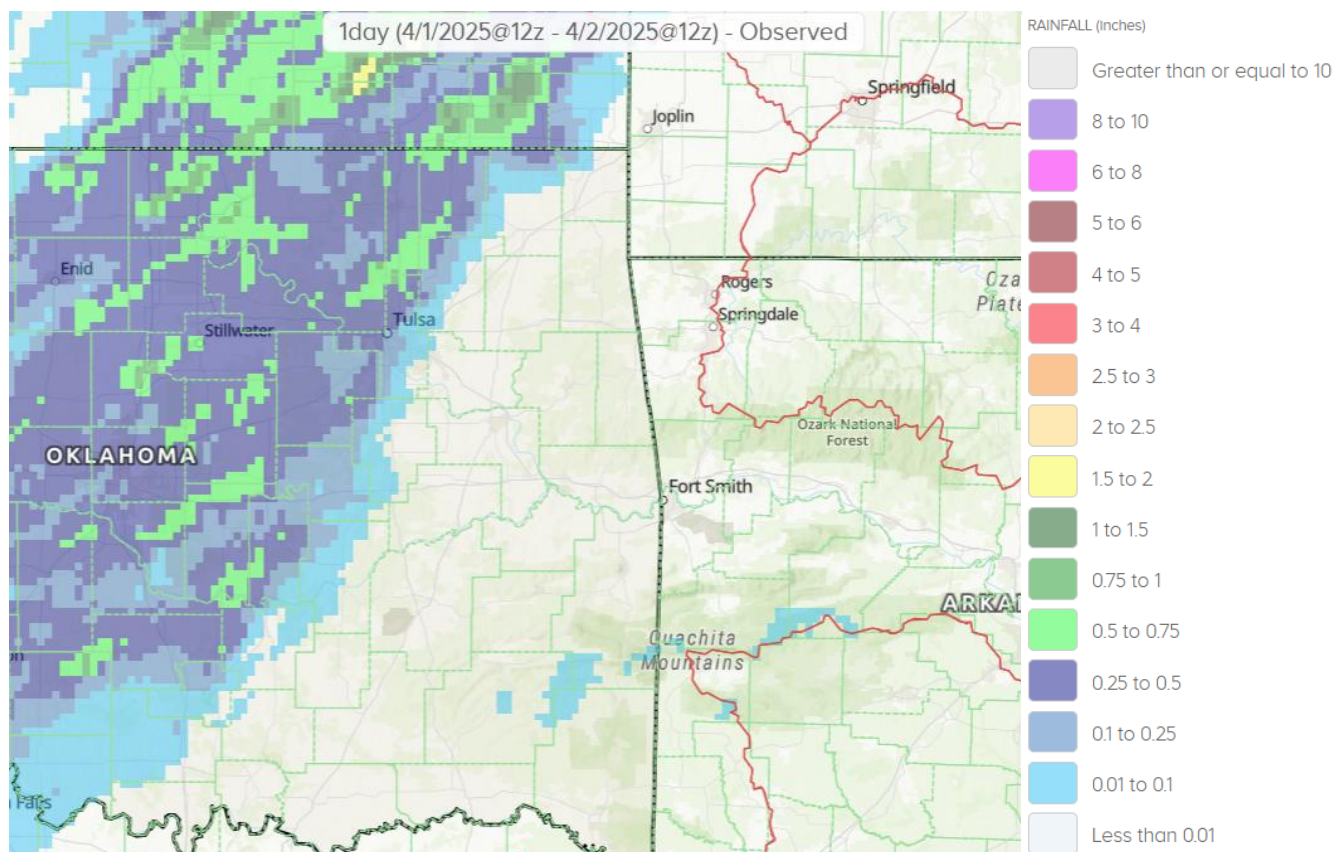


Fig. 4. 24-hour Estimated Observed Rainfall ending at 7am CDT 4/02/2025.

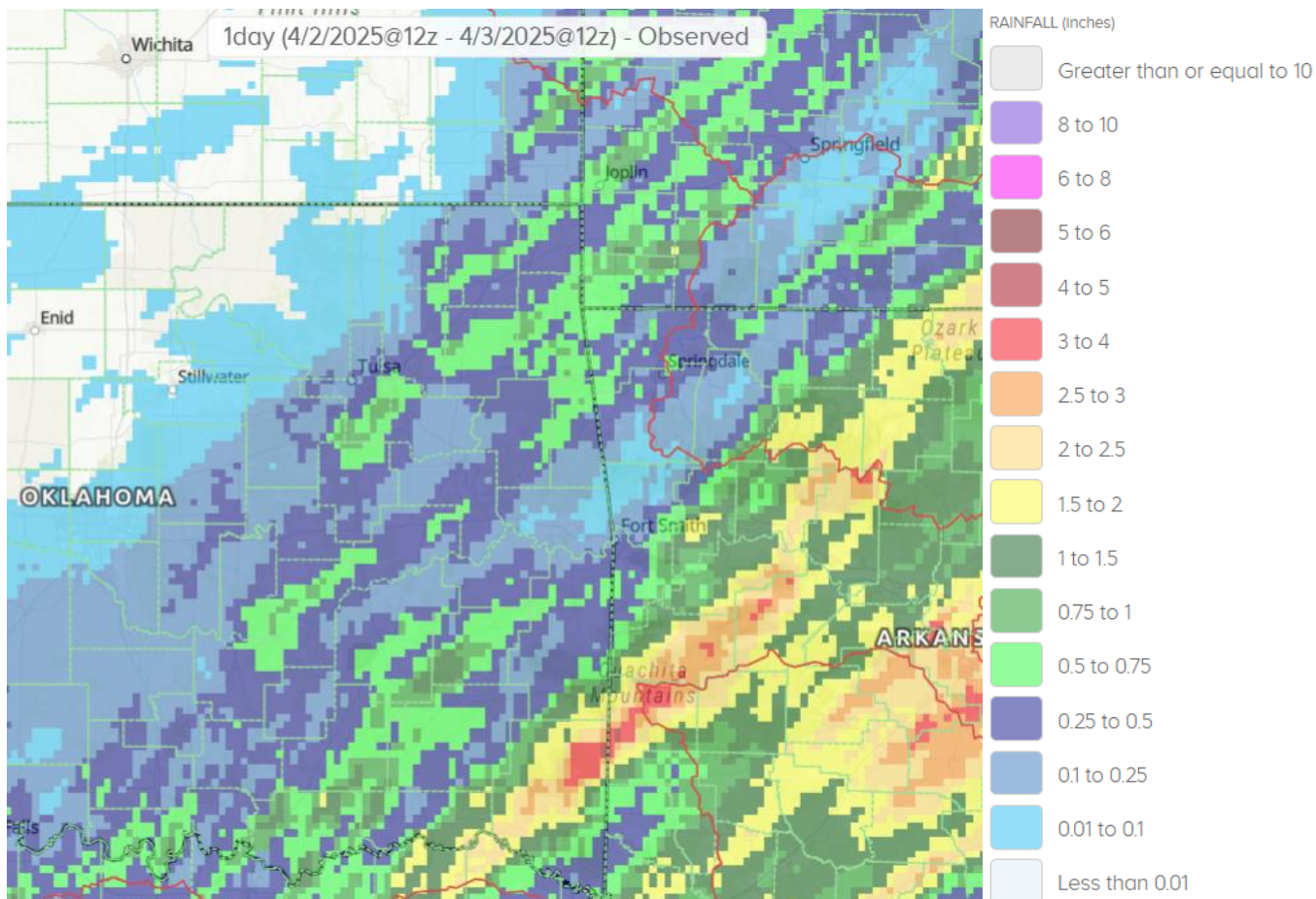


Fig. 5. 24-hour Estimated Observed Rainfall ending at 7am CDT 4/03/2025.

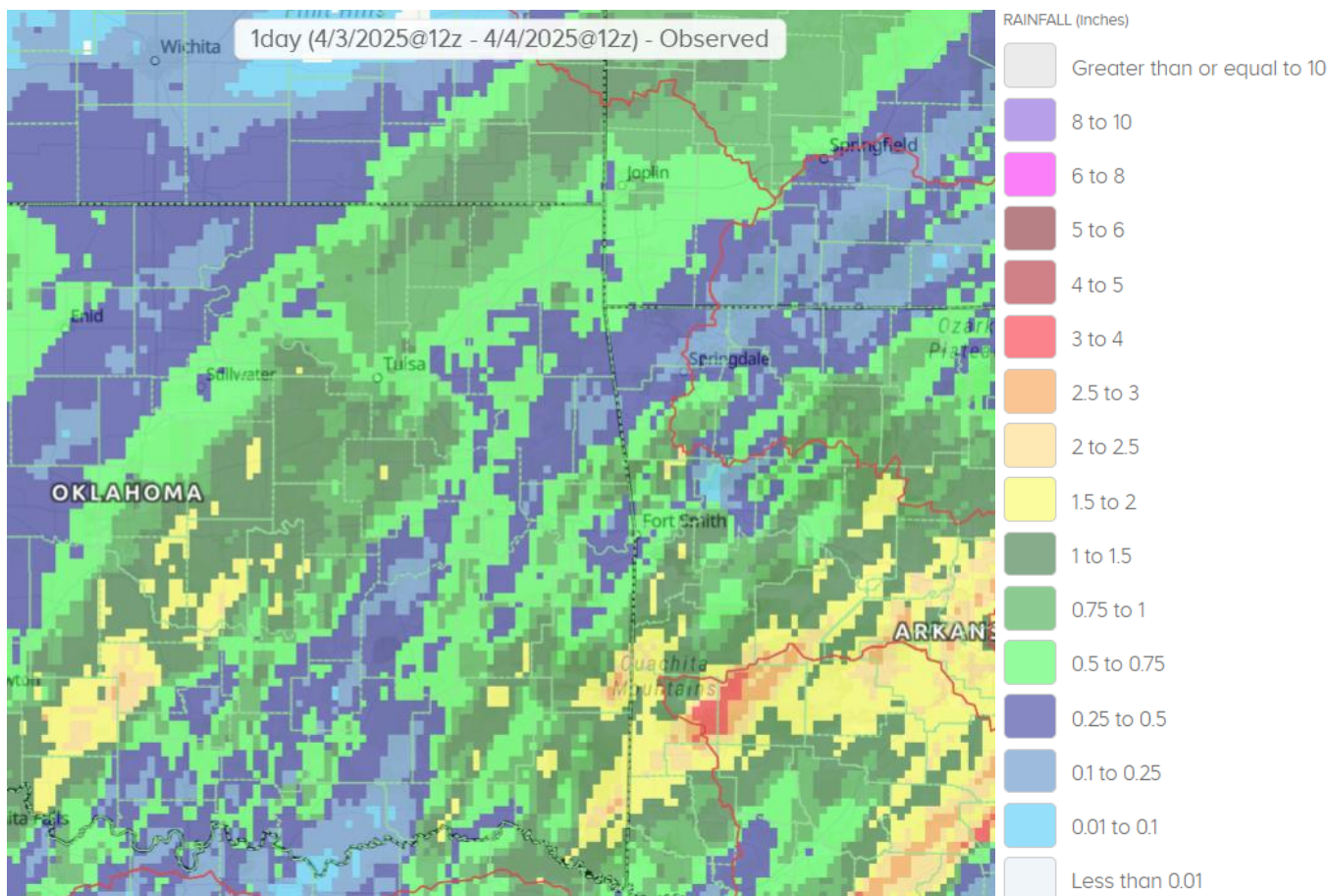


Fig. 6. 24-hour Estimated Observed Rainfall ending at 7am CDT 4/04/2025.

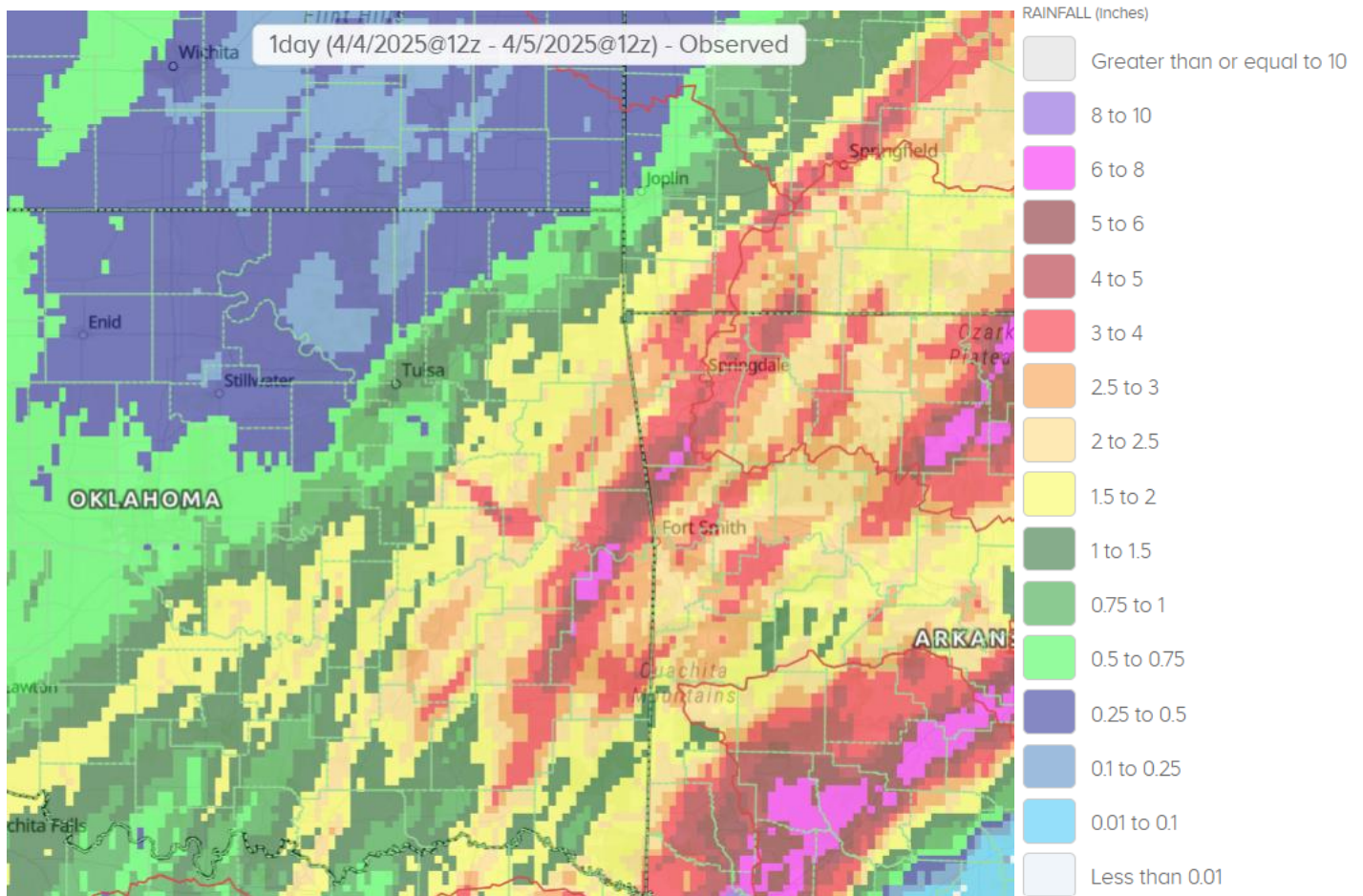
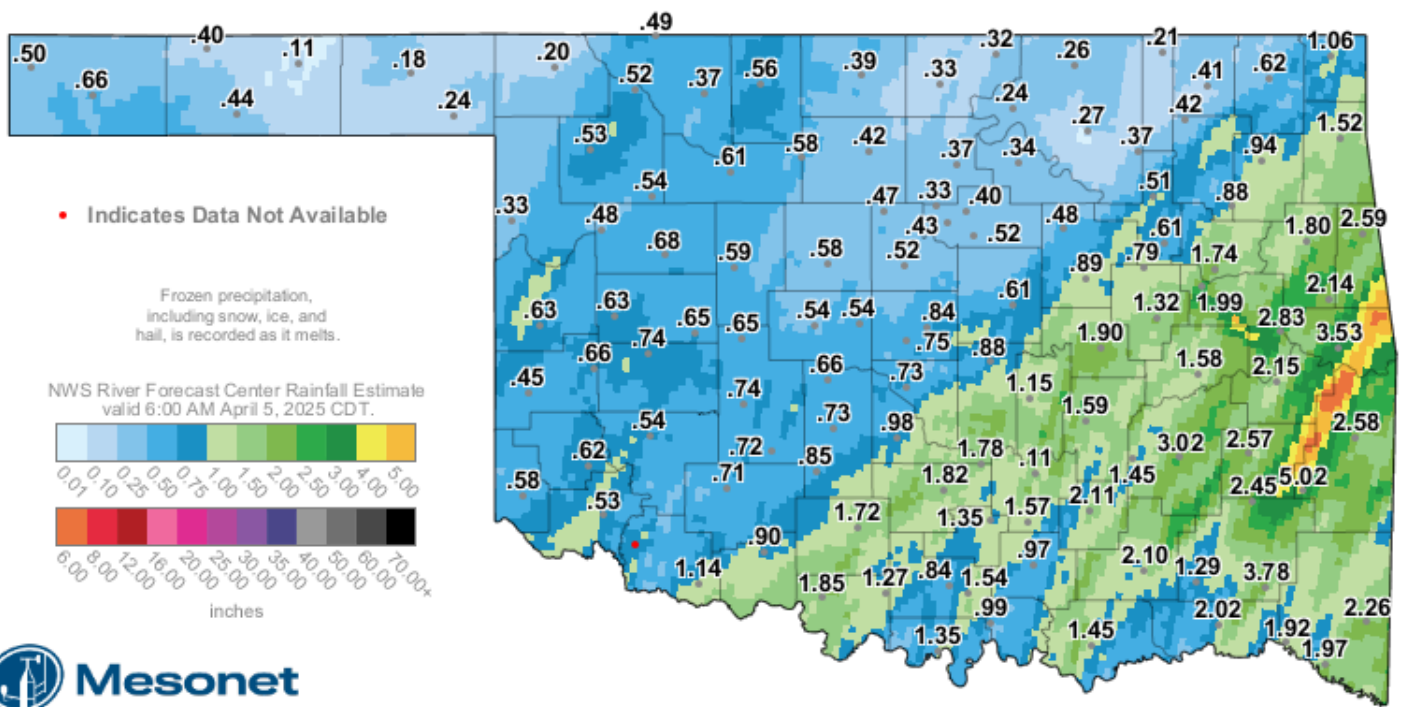


Fig. 7. 24-hour Estimated Observed Rainfall ending at 7am CDT 4/05/2025.



Mesonet

24-Hour Rainfall Accumulation (inches)

7:35 AM April 5, 2025 CDT

Created 7:42:45 AM April 5, 2025 CDT. © Copyright 2025

Fig. 8. OK Mesonet (values) and NWS RFC rainfall estimate (image) 24-hour rainfall ending at 7:35 am CDT 4/05/2025.



8:40 AM April 5, 2025 CDT

Created 8:47:43 AM April 5, 2025 CDT. © Copyright 2025

Fig. 9. OK Mesonet (values) and NWS RFC rainfall estimate (image) 48-hour rainfall ending at 8:40 am CDT 4/05/2025.



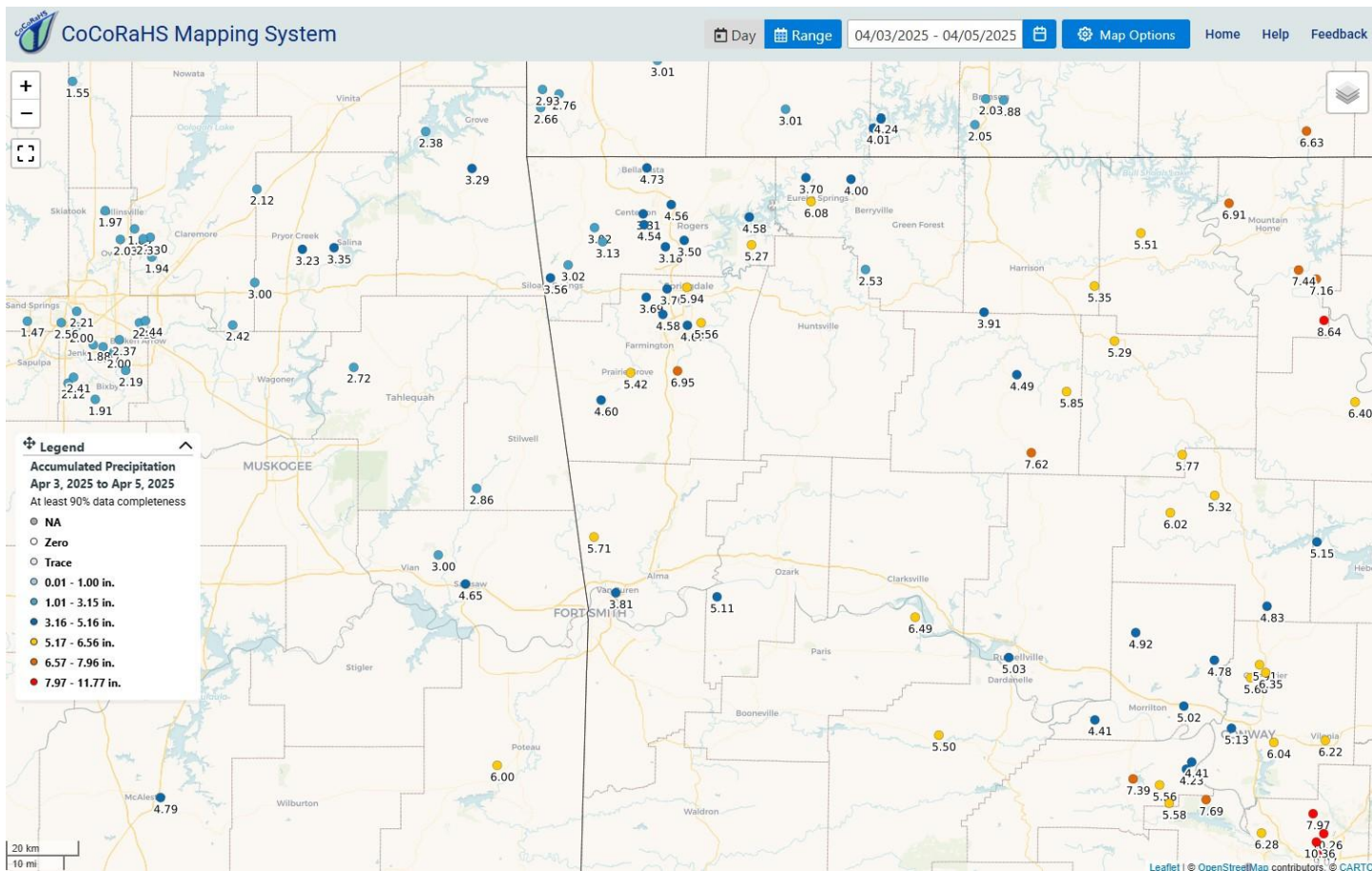


Fig. 11. CoCoRaHS accumulated precipitation measurements April 3-5, 2025.

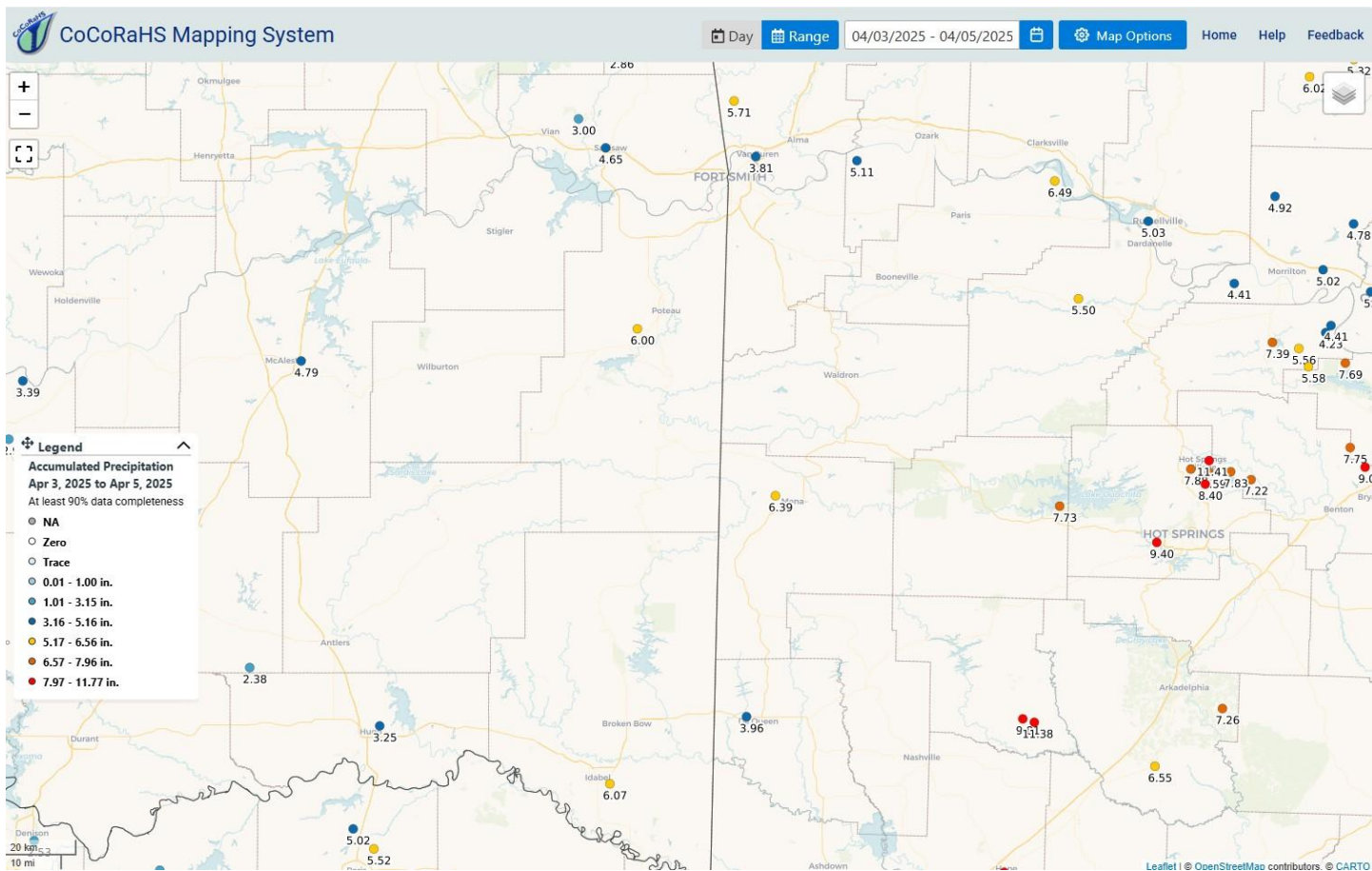


Fig. 12. CoCoRaHS accumulated precipitation measurements April 3-5, 2025.

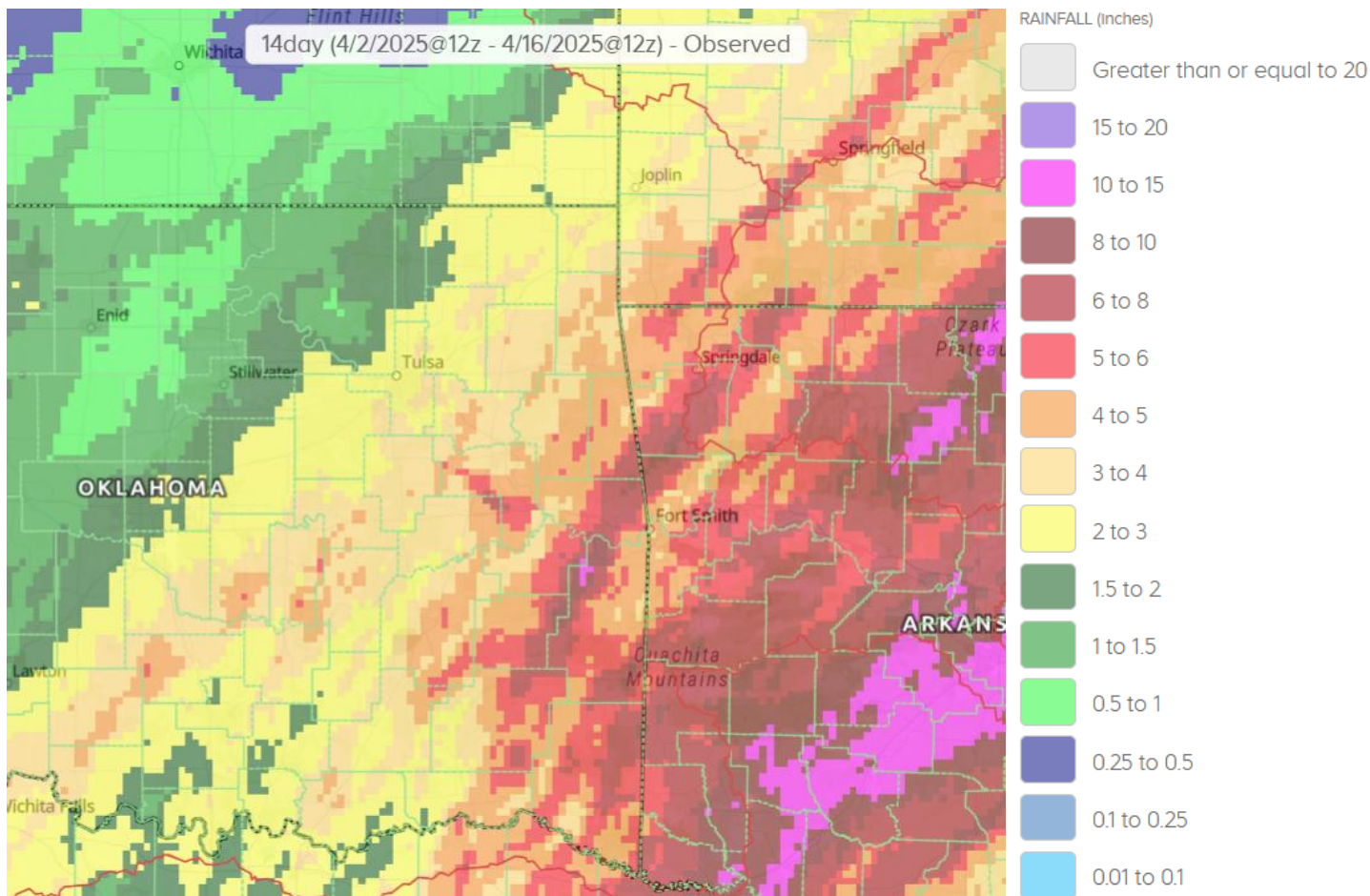


Fig. 13. 14-Day Estimated Observed Rainfall ending at 7am CDT 4/16/2025.

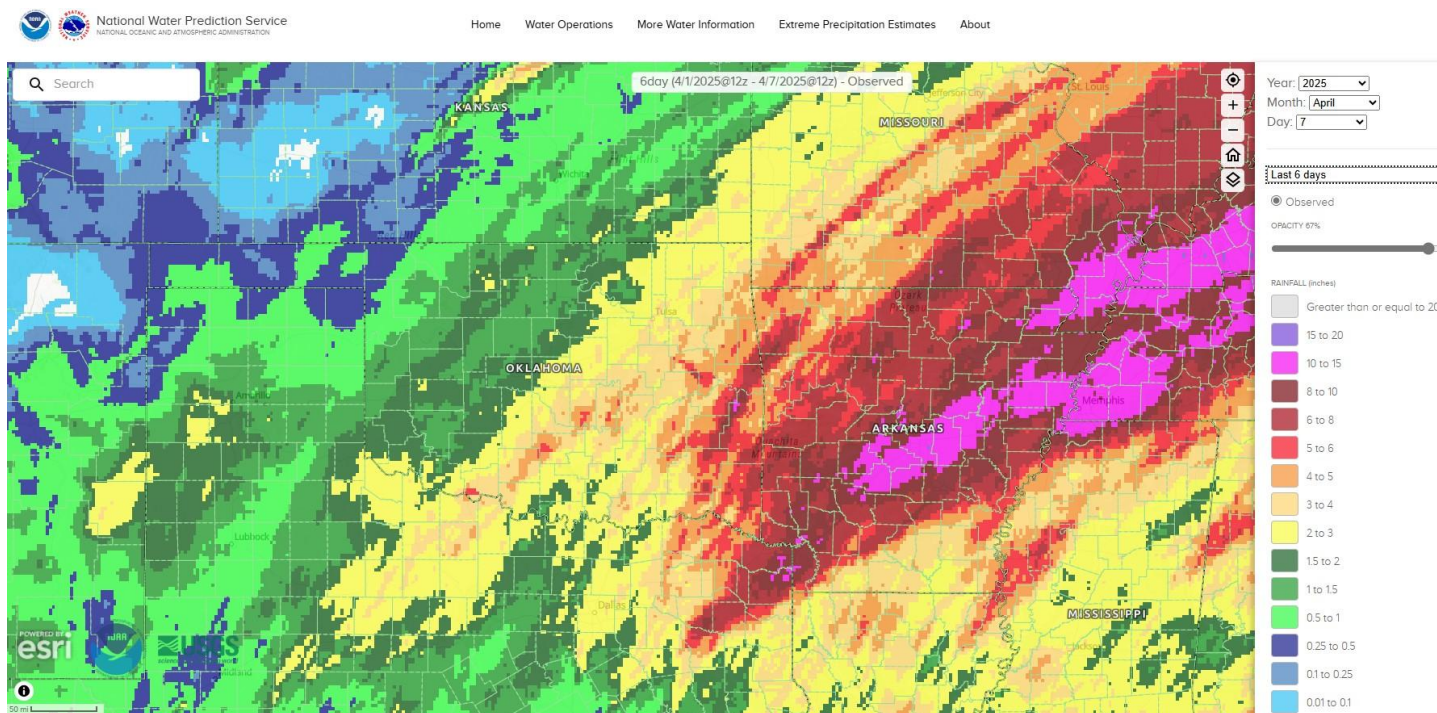


Fig. 14. 6-Day Estimated Observed Rainfall ending at 7am CDT 4/7/2025.

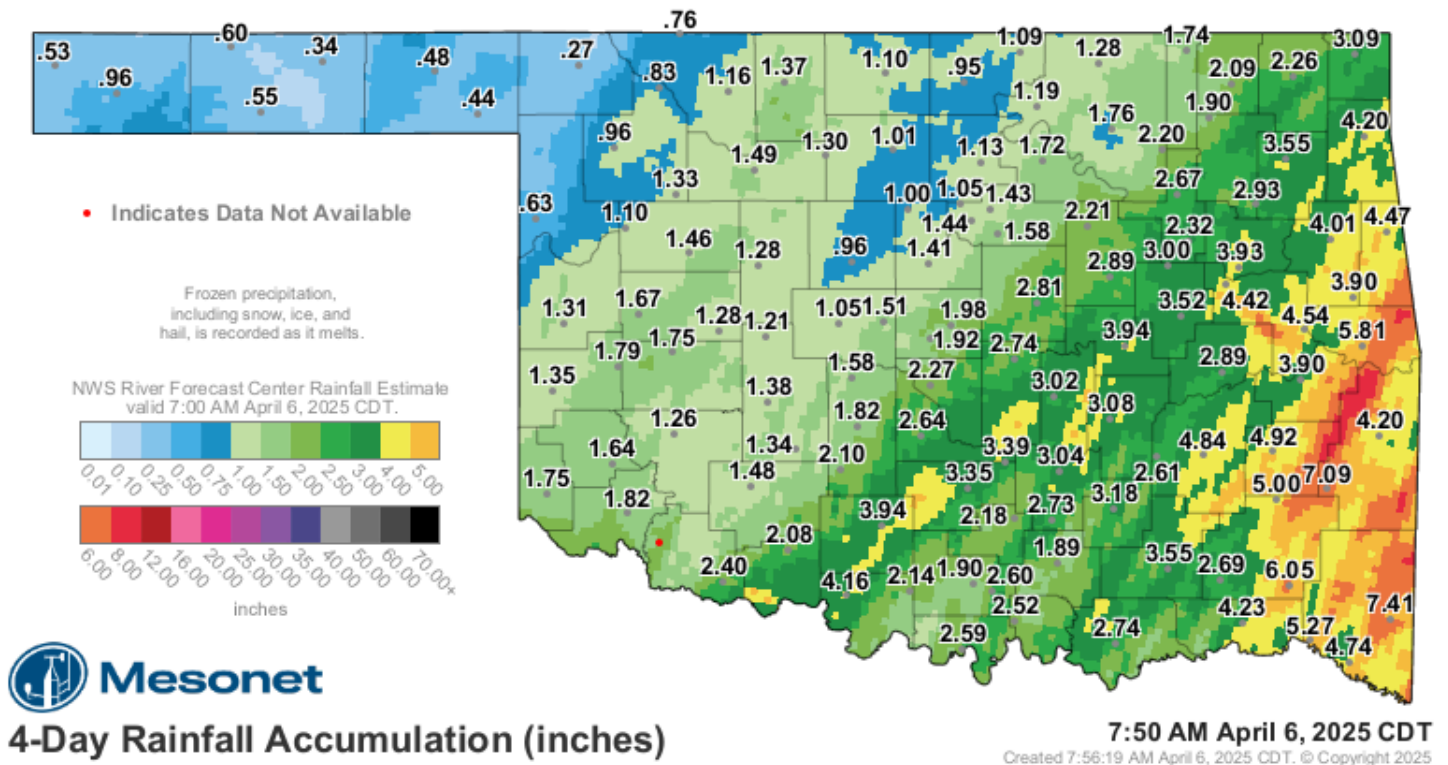


Fig. 15. OK Mesonet (values) and NWS RFC rainfall estimate (image) 4-day rainfall ending at 7:50 am CDT 4/06/2025.

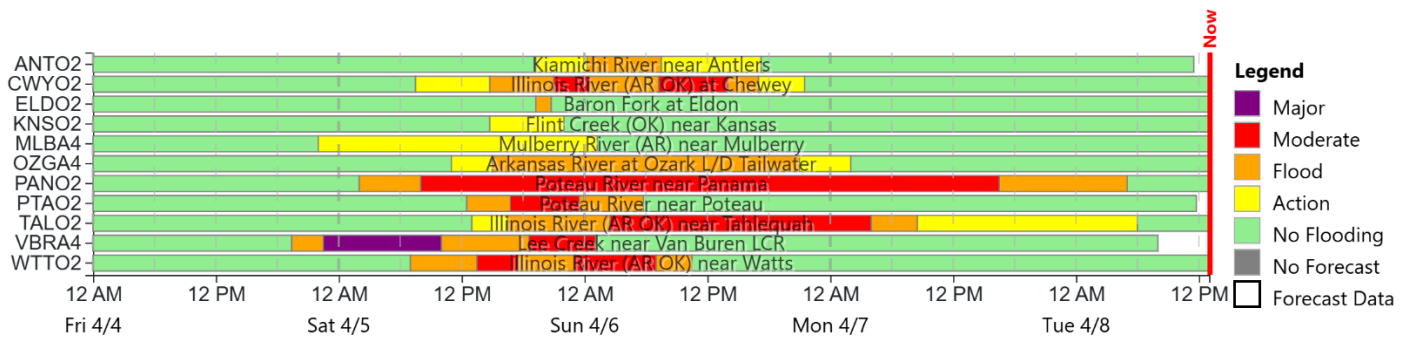


Fig. 16. Timeline of river flooding and impact levels April 4-8, 2025.

Map of 7-day average streamflow compared to historical streamflow for the day of the year (Arkansas-White-Red)

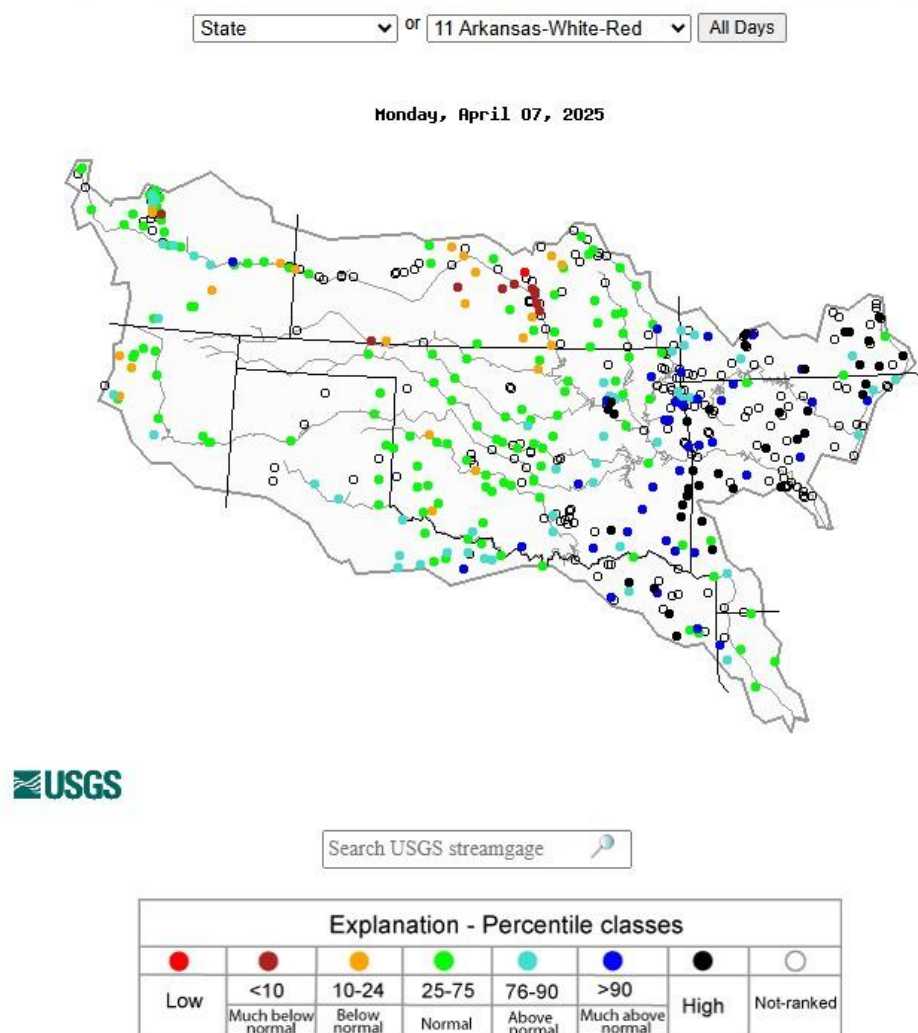


Fig. 17. USGS 7-day average streamflow compared to historical streamflow for April 7.

A southwest to northeast axis of showers and thunderstorms developed from south central OK to northeast OK and northwest AR during the evening of the 18th along and behind a cold front as energy from a potent western trough moved out over the central and southern plains. Storms continued through the night as the synoptic lift spread over the area and the low-level jet increased. The warm air advection over the front, storm motion parallel to the front, and high PWAT values of 1.25"-1.5" resulted in heavy rainfall accumulations across northeast OK and northwest AR. In the early morning hours of the 19th, a line of thunderstorms moved into eastern OK. These storms continued eastward across all of eastern OK and northwest AR through the morning hours, exiting east of the area by noon. Through 7 am on the 19th, 24-hour rainfall totals were 0.25"-3.5" (Figs. 18, 19). This rain caused minor flooding along the upper Illinois River (see E3 and preliminary hydrographs at the end of this report). The front retreated slightly to the north, and strong diffluent flow aloft combined with a low-level jet that continued to advect warm and humid air into the region, resulted in showers and isolated thunderstorms continuing during the morning and afternoon hours of the 19th from south central through northeast OK. This activity waned, though didn't completely end, during the late afternoon and early evening hours. However, this was short-lived as another round of widespread showers and thunderstorms spread east into eastern OK during the late evening hours. This activity affected most of eastern OK and northwest AR through the overnight hours and through the morning of the 20th. Moisture levels were near the climatological maximum for this time of year, resulting in efficient rain production and high rainfall rates. 24-hour rainfall totals ending at 7 am CDT on the 20th ranged from 0.10" to around 3.5", with widespread 1.5"-2.5" across northeast and east central OK (Figs. 20, 21). An axis of 4"-5" of rain over the 2-day period stretched from near Okemah, OK to Springdale, AR (Fig. 22). This additional rainfall caused another rise along the Illinois River,

with minor to moderate flooding occurring. Moderate flooding was observed along the Neosho River near Commerce, and minor flooding occurred along Bird Creek near Sperry and Owasso, the Caney River near Collinsville, and the Spring River near Quapaw (see E3 and preliminary hydrographs at the end of this report and Fig. 26). Scattered showers and thunderstorms continued across the area during the morning of the 20th. By noon, a narrow line of thunderstorms developed near Highway 75 and the Indian Nation Turnpike as the main upper-level low moved into OK and the surface low lifted northeast across the state. This line moved east across eastern OK and northwest AR during the afternoon hours, with an EF-1 tornado affecting Washington County AR (see <https://arcg.is/1D1zrC0> for details). These storms were east of the region by early evening, finally bringing an end to the multi-day rain. 24-hour rainfall totals through 7 am on the 21st ranged from 0.10" to near 2" (Fig. 23). The 3-day rainfall totals ranged from around 0.2" to around 7" (Figs. 24, 25).

Showers and thunderstorms spread east out of central OK and into eastern OK during the mid- to late-morning hours of the 26th. These storms intensified and developed into a broken line, stretching from KS to TX, during the afternoon hours as a mesoscale convective vortex (MCV) traversed the area. The line crossed into AR during the early evening hours and then exited the area by late evening. Some isolated to widely scattered showers and thunderstorms developed during the overnight hours across far eastern OK and northwest AR as a warm front lifted north, with most of this activity waning by sunrise of the 27th. Rainfall totals ranged from 0.1" to 2.5" across all of eastern OK and northwest AR (Figs. 26-28).

At midnight on the 29th, an isolated thunderstorm moved across Okfuskee, Okmulgee, and Muskogee Counties in east central OK, bringing 0.1"-1.2" of rain. In the pre-dawn hours, thunderstorms began to develop over north central OK along a cold front and strong southwest flow aloft, and these storms quickly developed into a severe mesoscale convective system (MCS) as they moved into northeast and east central OK. The strongest storms along the leading edge quickly moved east, affecting northeast OK and northwest AR through mid-morning, with a large trailing precipitation field. Five EF-1 tornadoes occurred along the leading edge of the MCS (see <https://arcg.is/1D1zrC0> for details), and flash flooding was reported in Osage County. Additional smaller thunderstorm clusters developed along an outflow boundary over east central OK during this time as well, and quickly moved northeast across northwest AR through early afternoon. The cold front stalled and destabilization quickly occurred in the wake of the morning storms, with another round of widespread showers and thunderstorms developing across northeast and east central OK during the late afternoon and evening hours. This activity eventually congealed with an eastward propagating MCS a little before midnight. The MCS traversed most of eastern OK and northwest AR during the overnight hours and exited the region before dawn of the 30th. Meanwhile, another round of widespread showers and thunderstorm were once again moving eastward through central OK. By 7 am CDT of the 30th, rainfall totals ranged from 0.25" to 5" across all but far southeast OK (Figs. 29-32). This heavy rain resulted in mainstem river flooding. Moderate flooding occurred along Polecat Creek near Sapulpa, the Caney River near Collinsville, Bird Creek near Sperry and Owasso, and the Neosho River near Commerce, and minor flooding occurred along Bird Creek at Avant (see E3 and preliminary hydrographs at the end of this report). The next MCS then moved into eastern OK around sunrise and slowly crossed all of eastern OK and northwest AR through the morning and afternoon hours. Two weak tornadoes occurred along the leading edge of the MCS (see <https://arcg.is/1D1zrC0> for details). The rain then ended from west to east, exiting the area by mid-evening. 24-hour rainfall totals as of 7 am May 1st ranged from 0.25" to 3" (Figs. 35-36), with 2-day rainfall accumulations of 1"-5.5" across the area (Fig. 37).

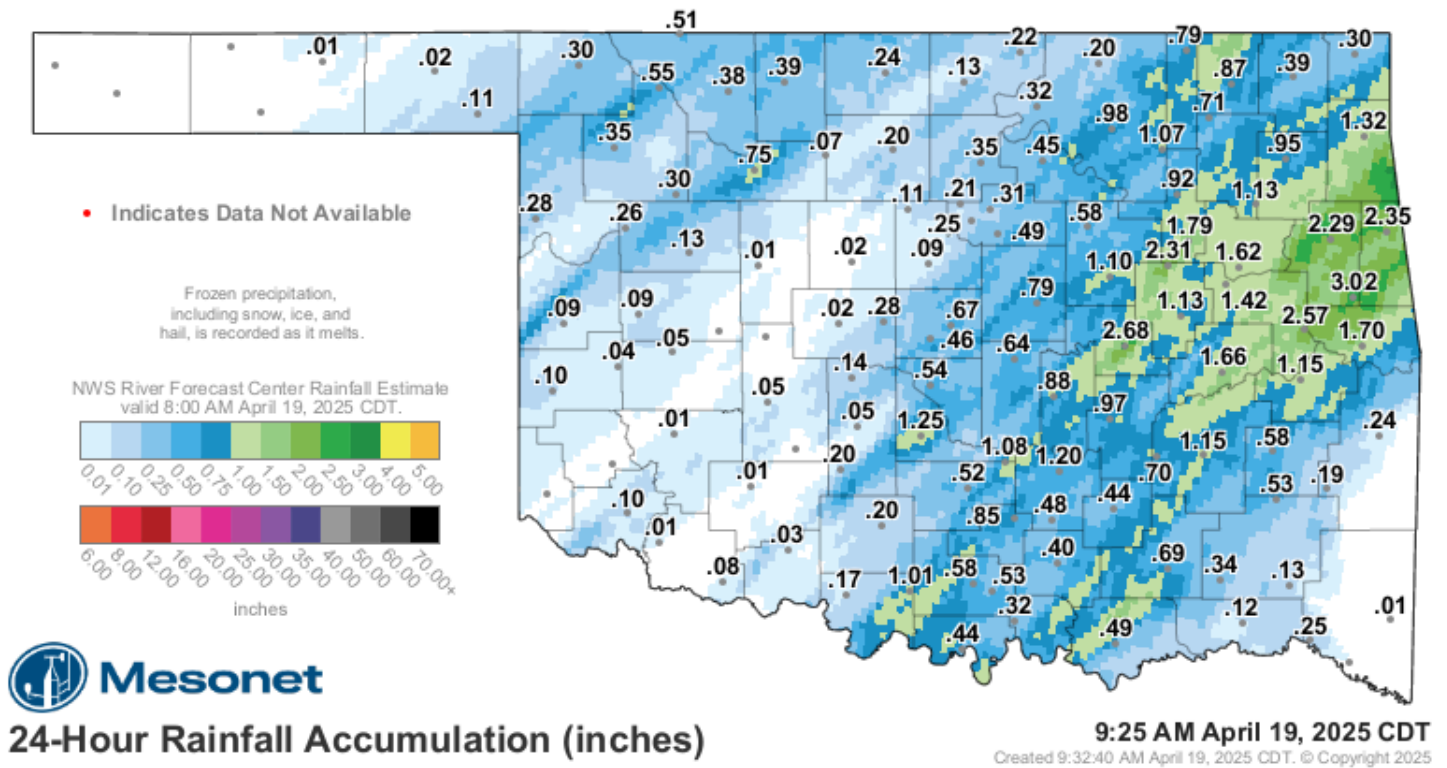


Fig. 18. OK Mesonet (values) and NWS RFC rainfall estimate (image) 24-hour rainfall ending at 9:25 am CDT 4/19/2025.

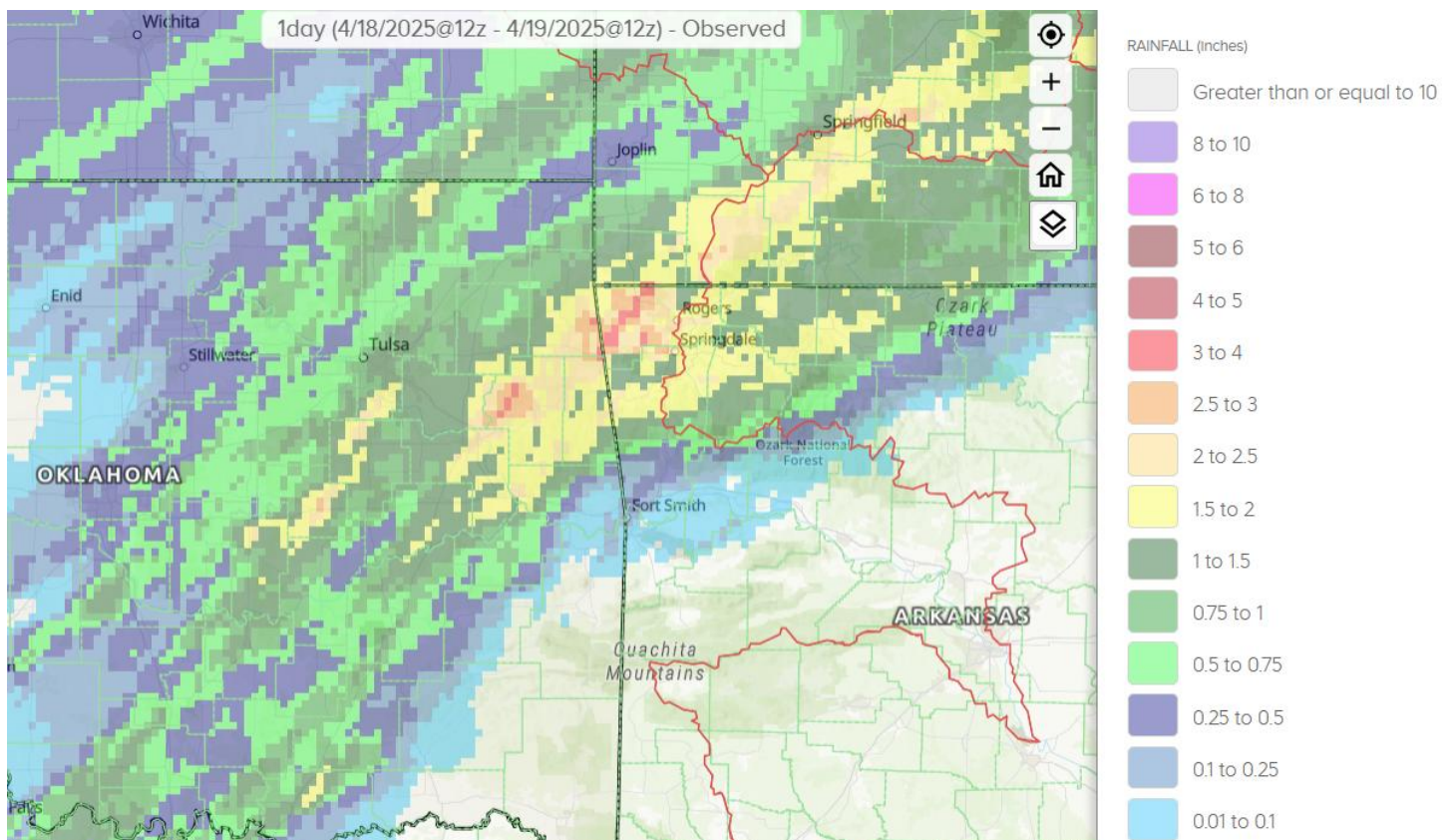
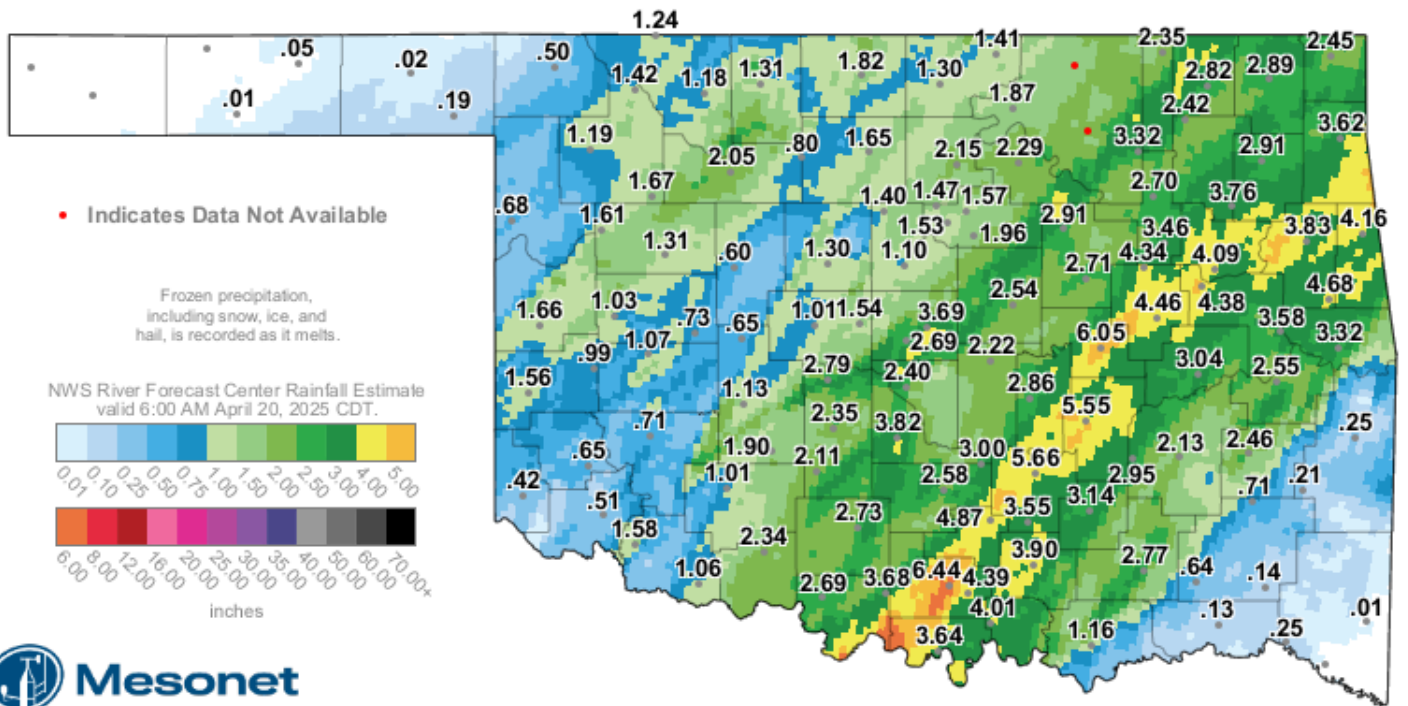


Fig. 19. 24-hour Estimated Observed Rainfall ending at 7am CDT 4/19/2025.



2-Day Rainfall Accumulation (inches)

7:40 AM April 20, 2025 CDT

Created 7:47:38 AM April 20, 2025 CDT. © Copyright 2025

Fig. 22. OK Mesonet (values) and NWS RFC rainfall estimate (image) 48-hour rainfall ending at 7:40 am CDT 4/20/2025.

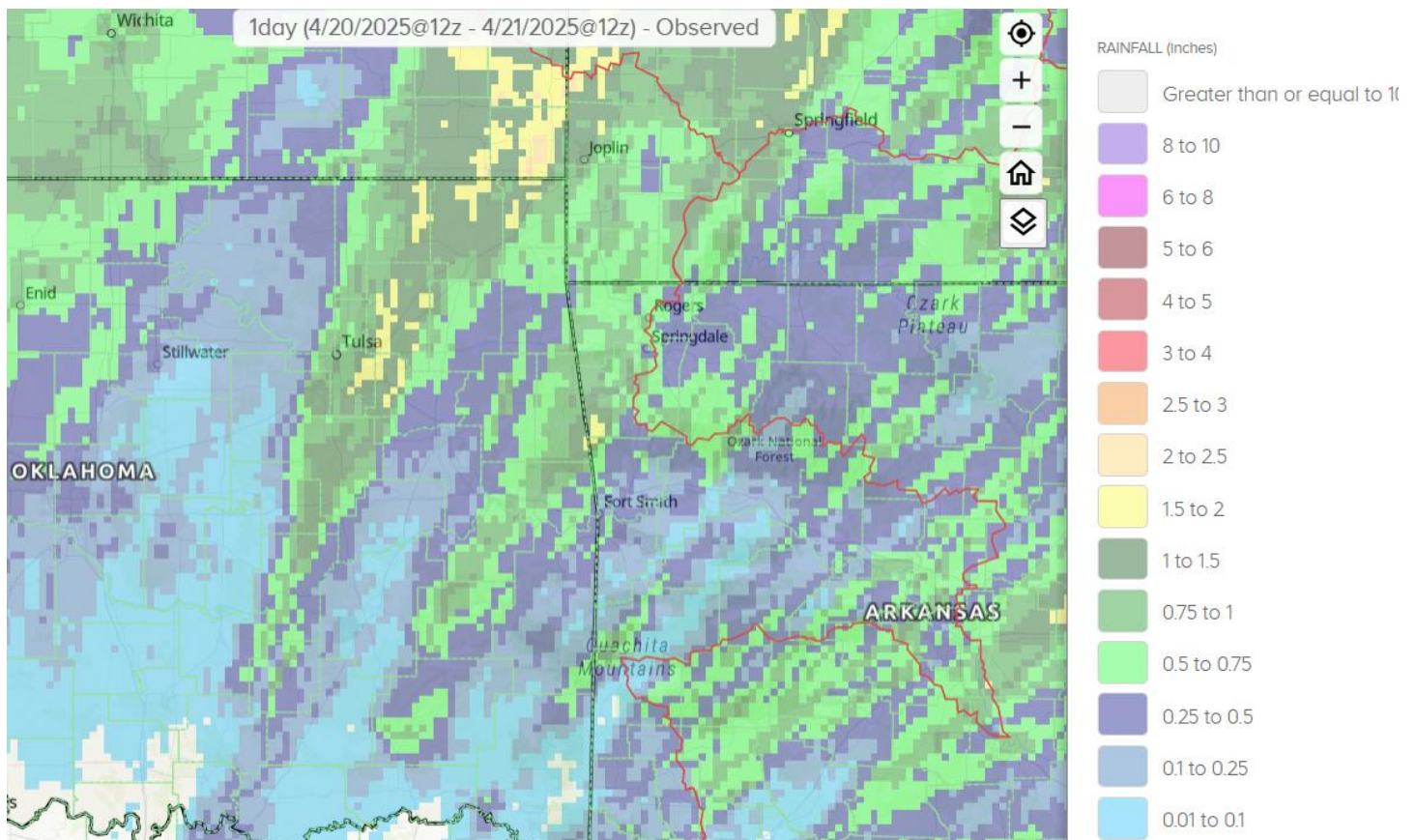


Fig. 23. 24-hour Estimated Observed Rainfall ending at 7am CDT 4/21/2025.

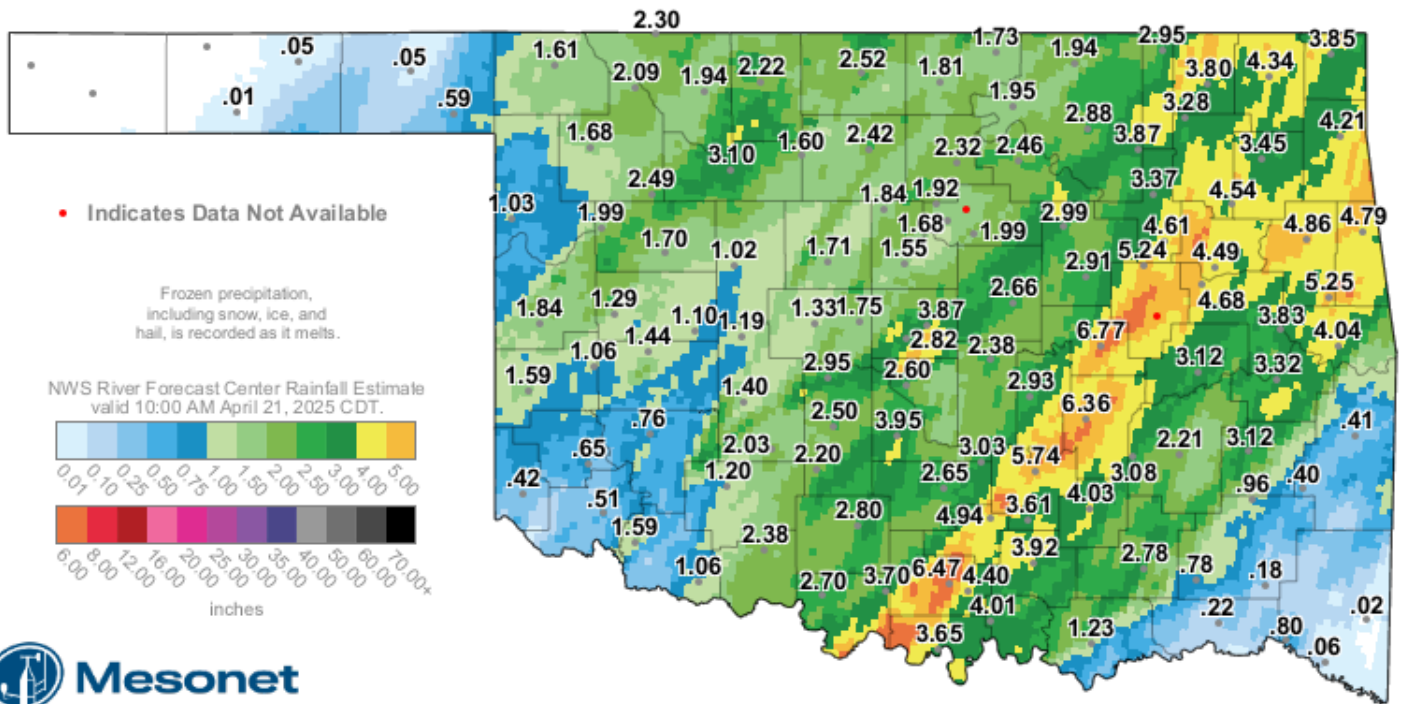


Fig. 24. OK Mesonet (values) and NWS RFC rainfall estimate (image) 3-day rainfall ending at 10:55 am CDT 4/21/2025.

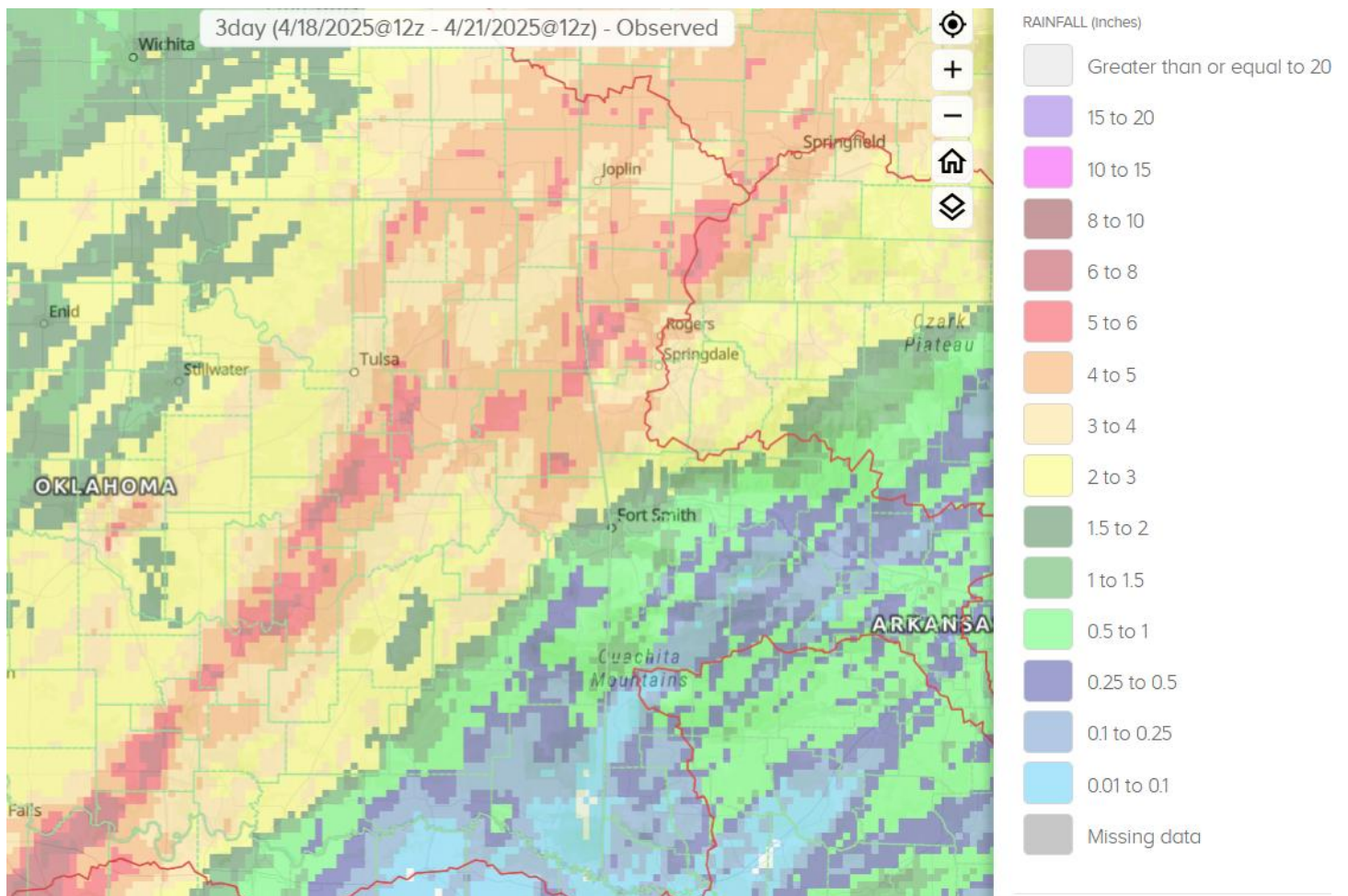
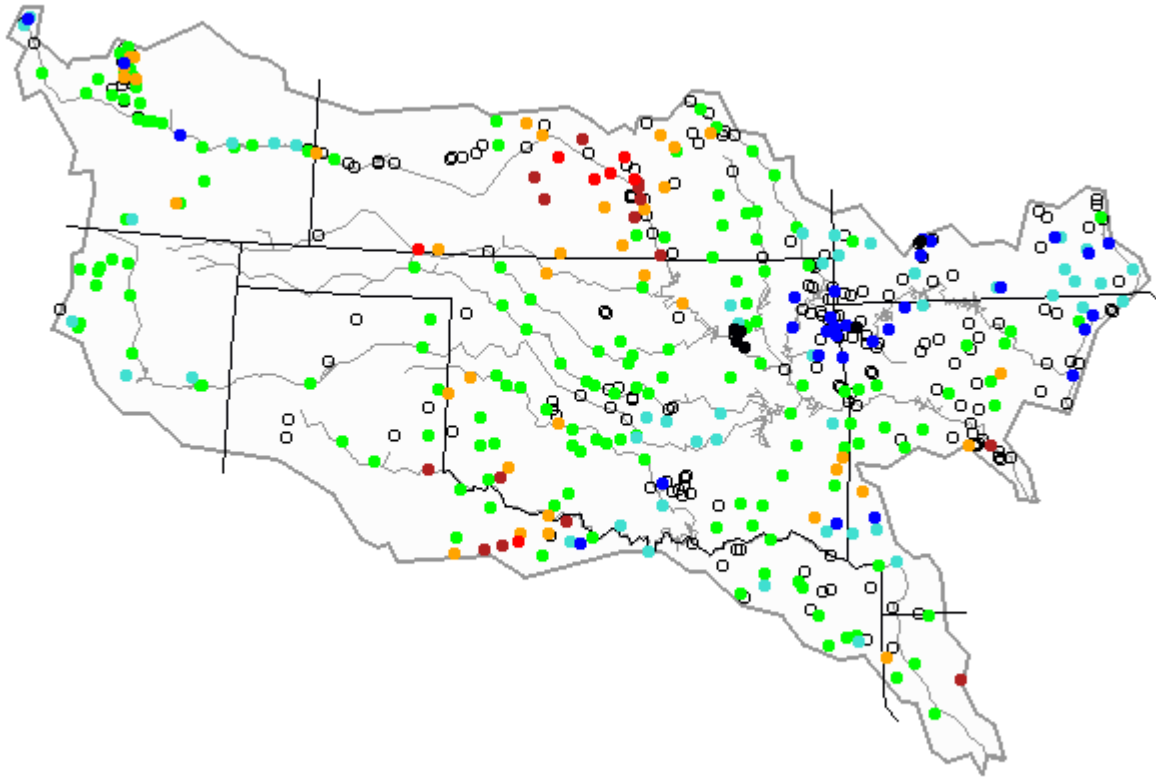


Fig. 25. 3-day Estimated Observed Rainfall ending at 7am CDT 4/21/2025.

Sunday, April 20, 2025



Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

Fig. 26. USGS 7-day average streamflow compared to historical streamflow for April 20.

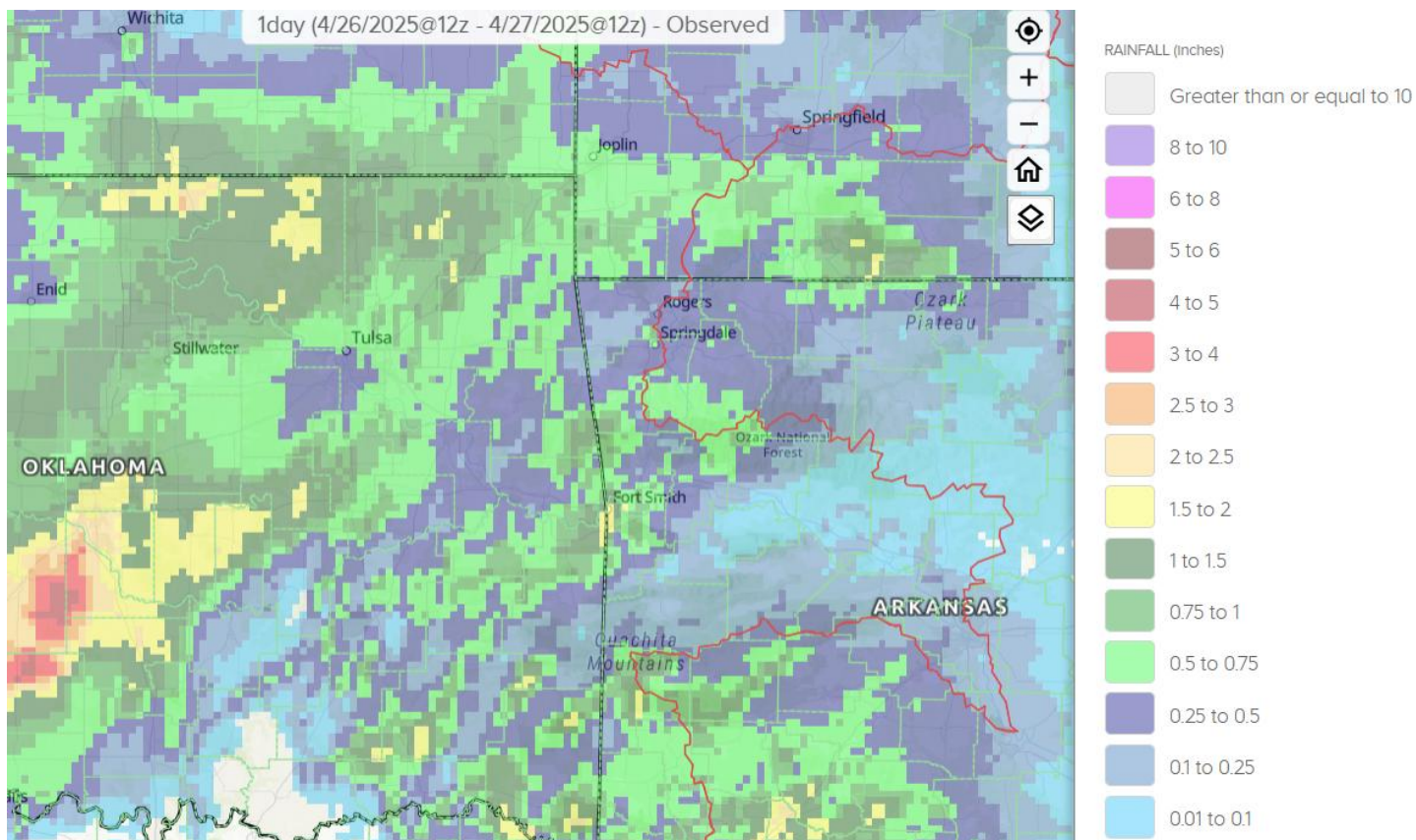
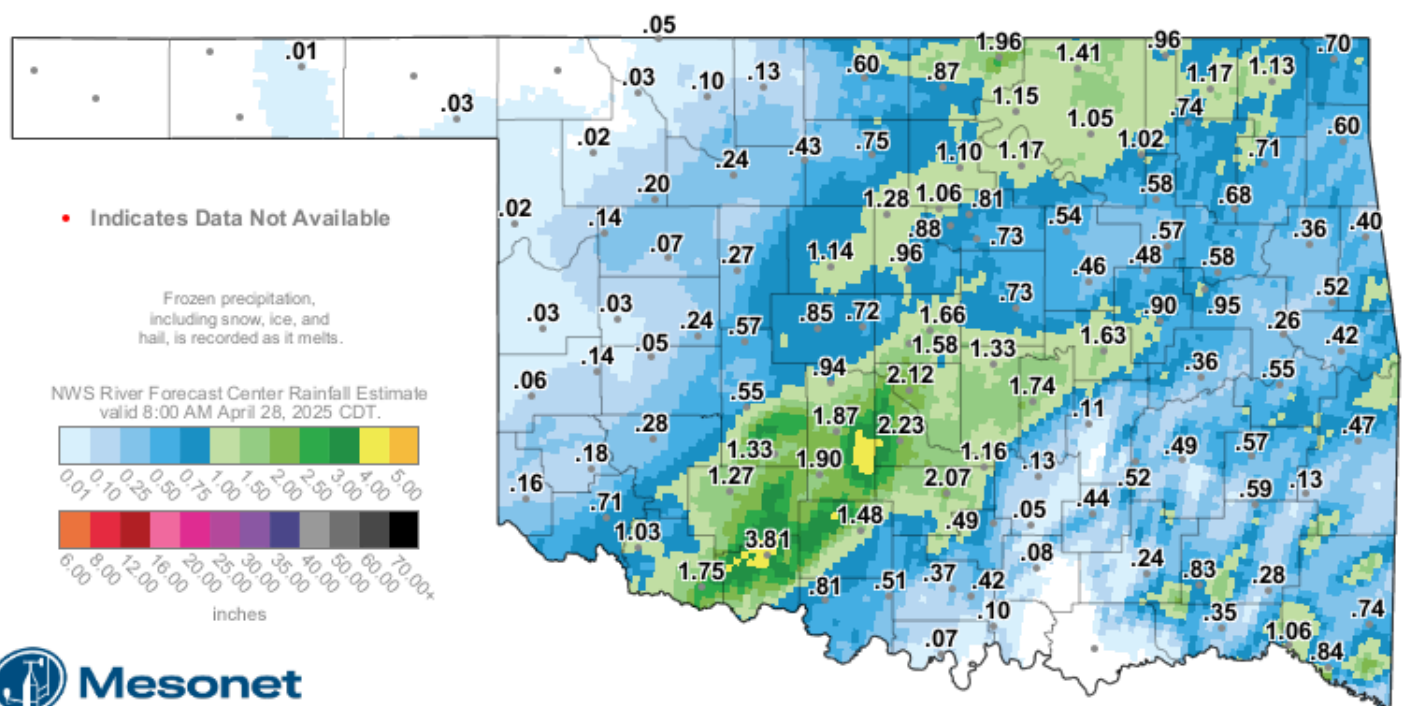


Fig. 27. 24-hour Estimated Observed Rainfall ending at 7am CDT 4/27/2025.



Mesonet

2-Day Rainfall Accumulation (inches)

8:45 AM April 28, 2025 CDT

Created 8:52:38 AM April 28, 2025 CDT. © Copyright 2025

Fig. 28. OK Mesonet (values) and NWS RFC rainfall estimate (image) 2-day rainfall ending at 8:45 am CDT 4/28/2025.

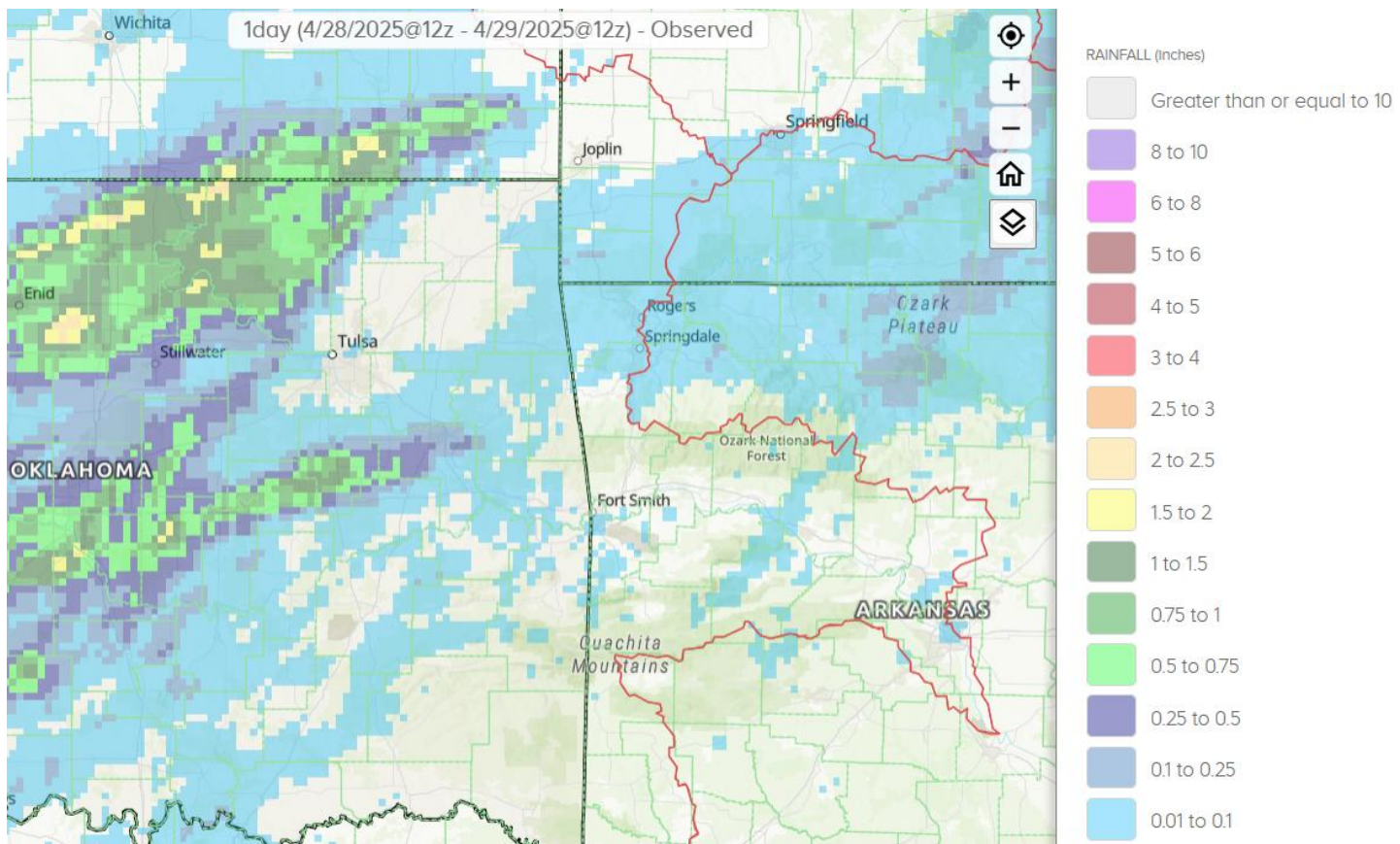


Fig. 29. 24-hour Estimated Observed Rainfall ending at 7am CDT 4/29/2025.

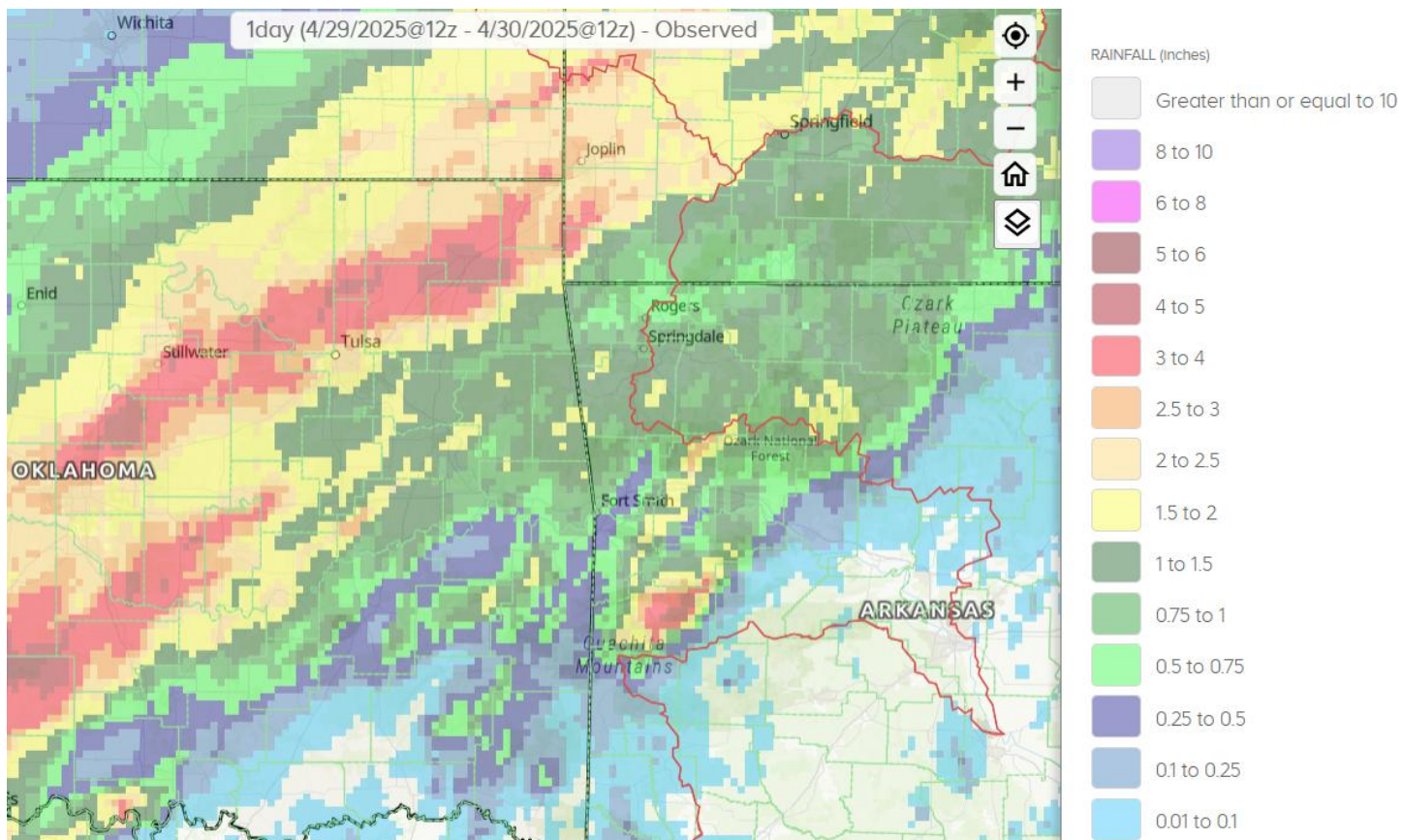
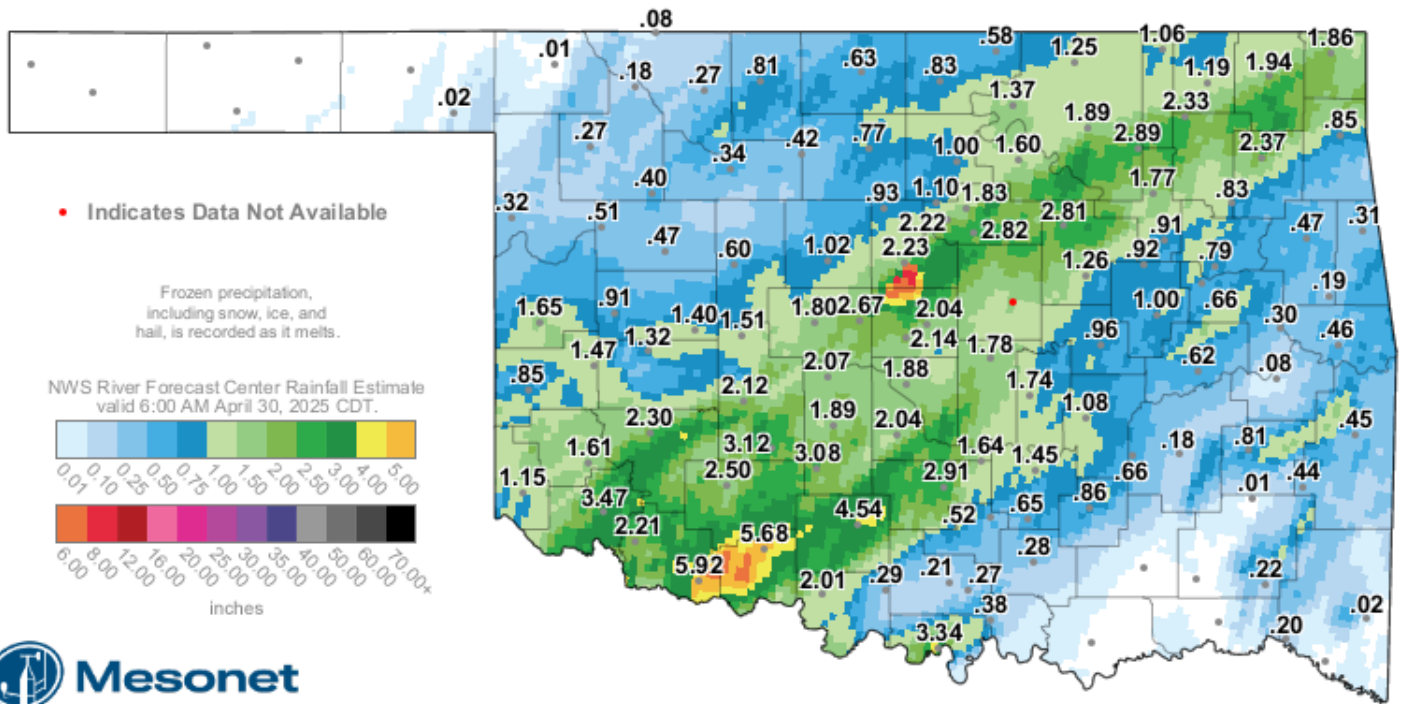


Fig. 30. 24-hour Estimated Observed Rainfall ending at 7am CDT 4/30/2025.

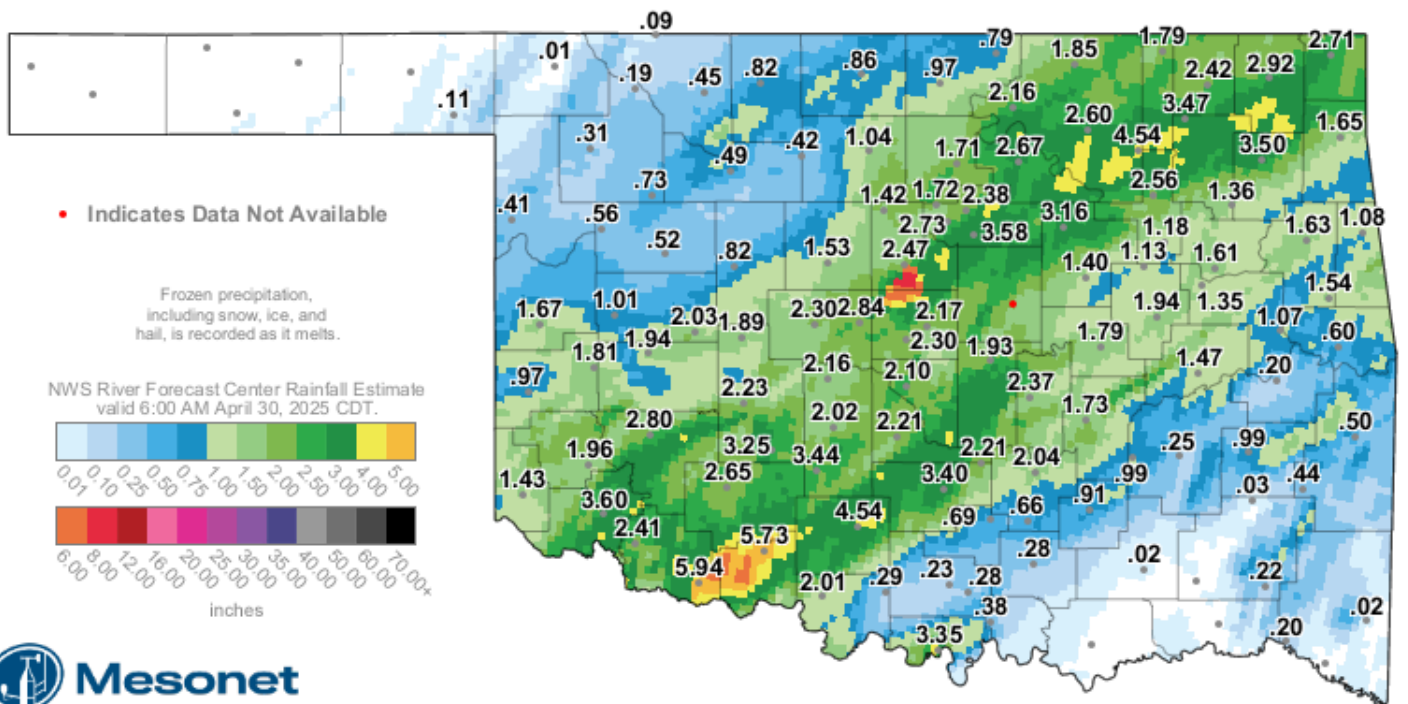


12-Hour Rainfall Accumulation (inches)

6:55 AM April 30, 2025 CDT

Created 7:01:56 AM April 30, 2025 CDT. © Copyright 2025

Fig. 31. OK Mesonet (values) and NWS RFC rainfall estimate (image) 12-hour rainfall ending at 6:55 am CDT 4/30/2025.

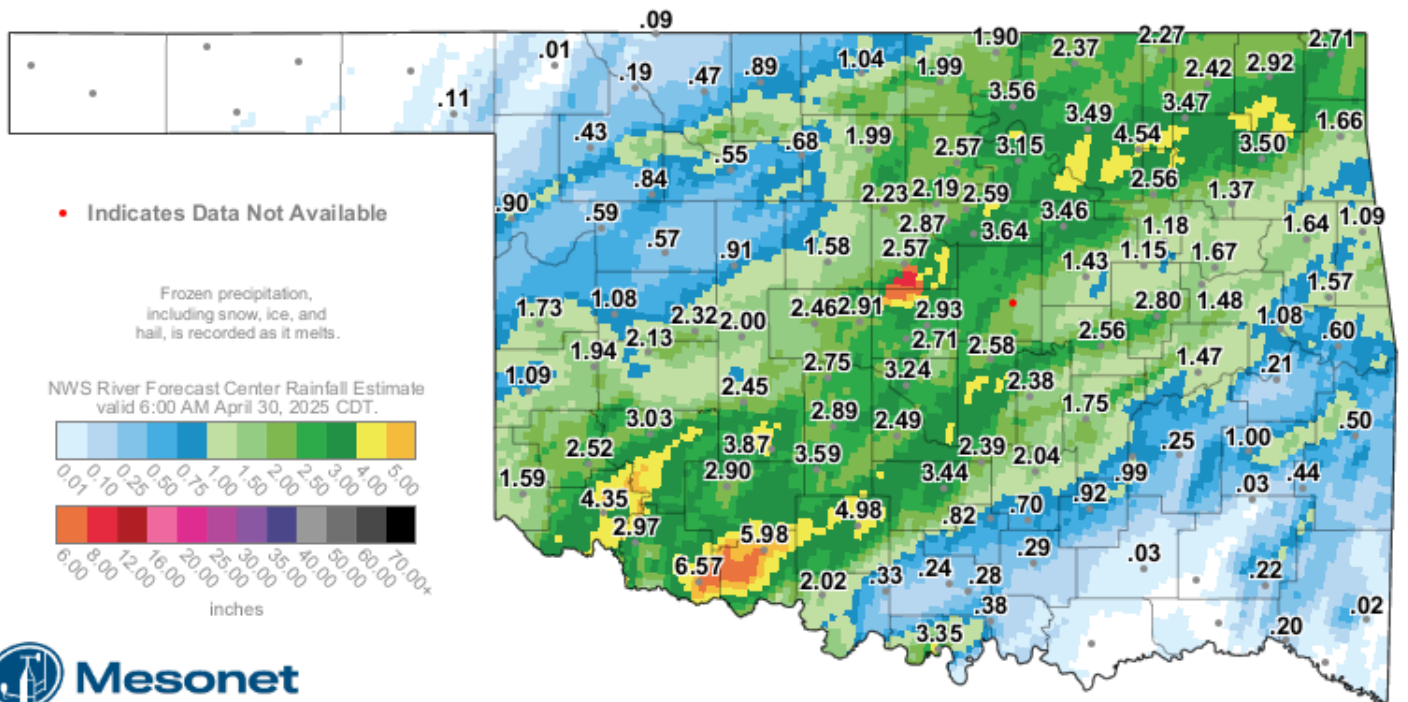


24-Hour Rainfall Accumulation (inches)

6:55 AM April 30, 2025 CDT

Created 7:01:56 AM April 30, 2025 CDT. © Copyright 2025

Fig. 32. OK Mesonet (values) and NWS RFC rainfall estimate (image) 24-hour rainfall ending at 6:55 am CDT 4/30/2025.

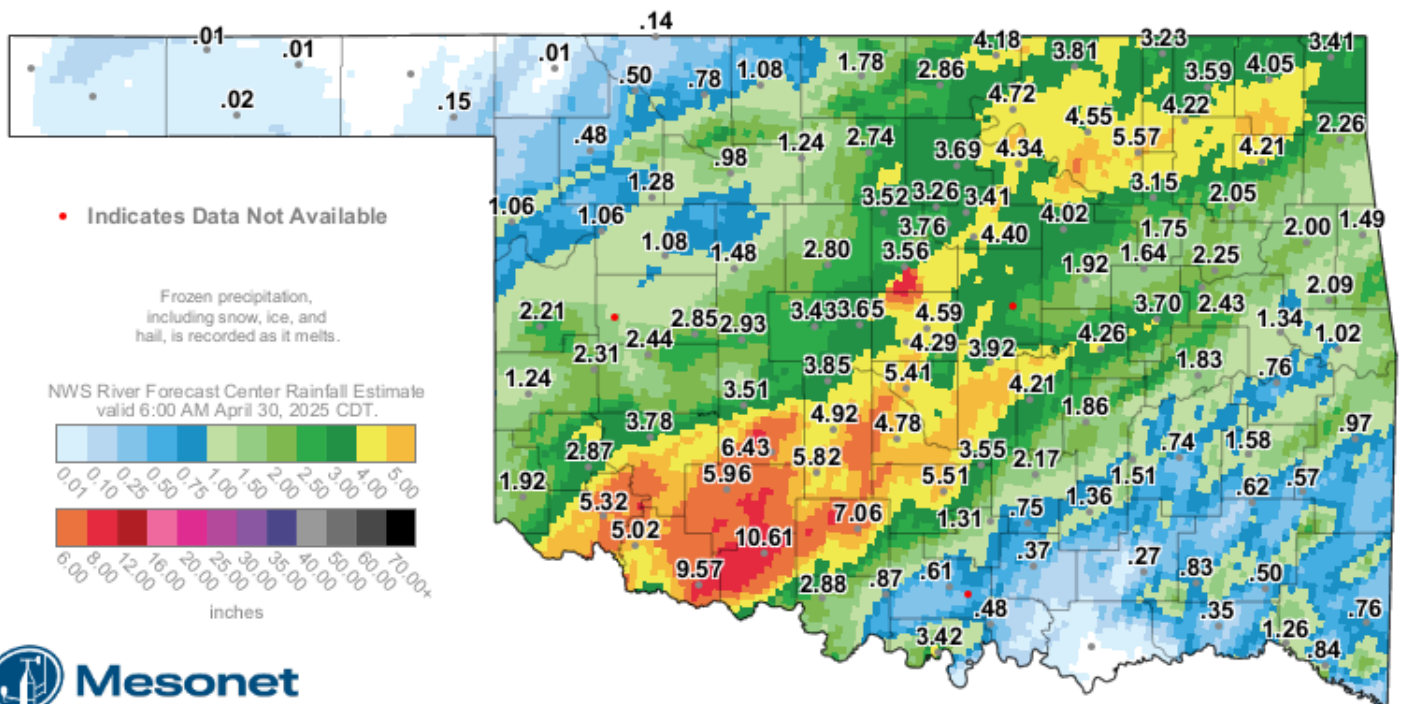


2-Day Rainfall Accumulation (inches)

6:55 AM April 30, 2025 CDT

Created 7:01:56 AM April 30, 2025 CDT. © Copyright 2025

Fig. 32. OK Mesonet (values) and NWS RFC rainfall estimate (image) 2-day rainfall ending at 6:55 am CDT 4/30/2025.



4-Day Rainfall Accumulation (inches)

7:00 AM April 30, 2025 CDT

Created 7:06:57 AM April 30, 2025 CDT. © Copyright 2025

Fig. 33. OK Mesonet (values) and NWS RFC rainfall estimate (image) 4-day rainfall ending at 7:00 am CDT 4/30/2025.

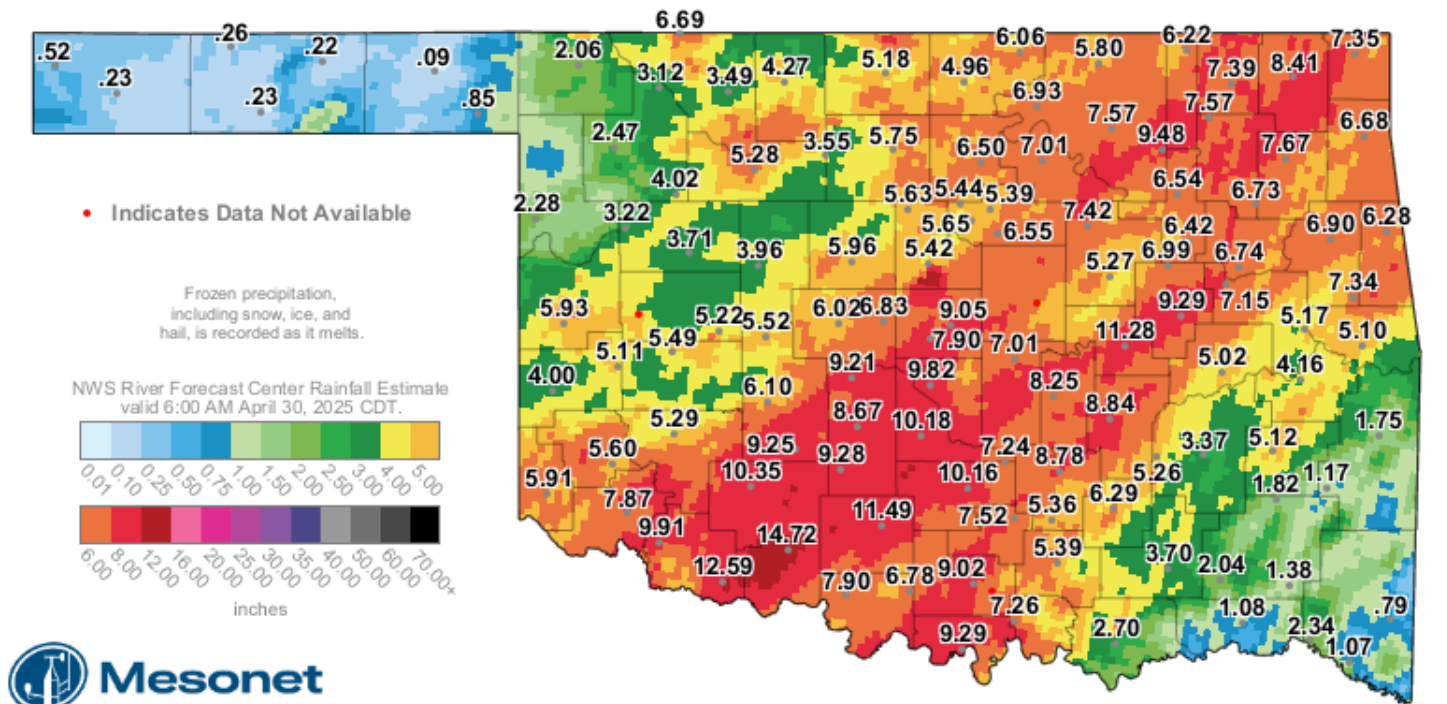


Fig. 34. OK Mesonet (values) and NWS RFC rainfall estimate (image) 14-day rainfall ending at 7:00 am CDT 4/30/2025.

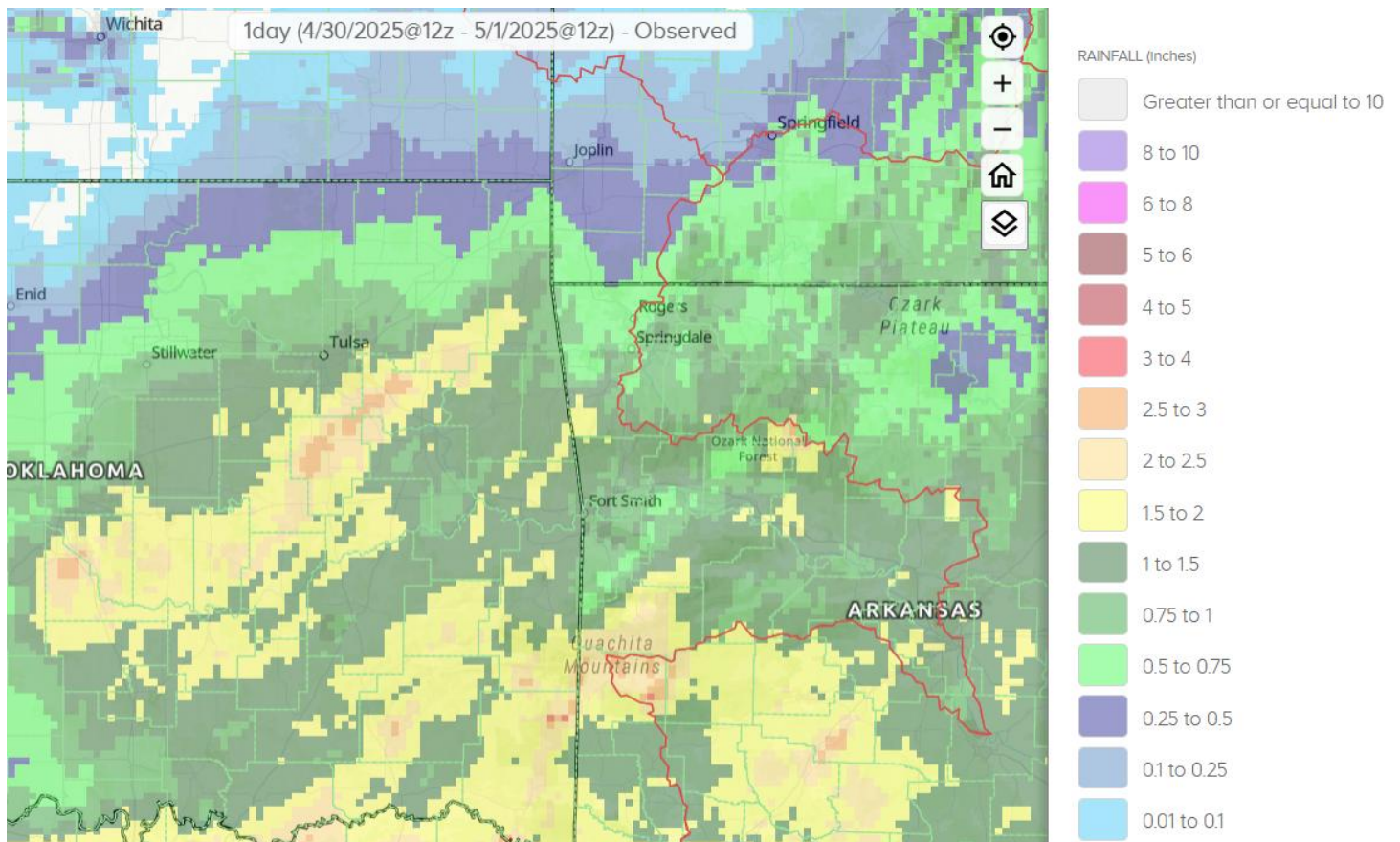
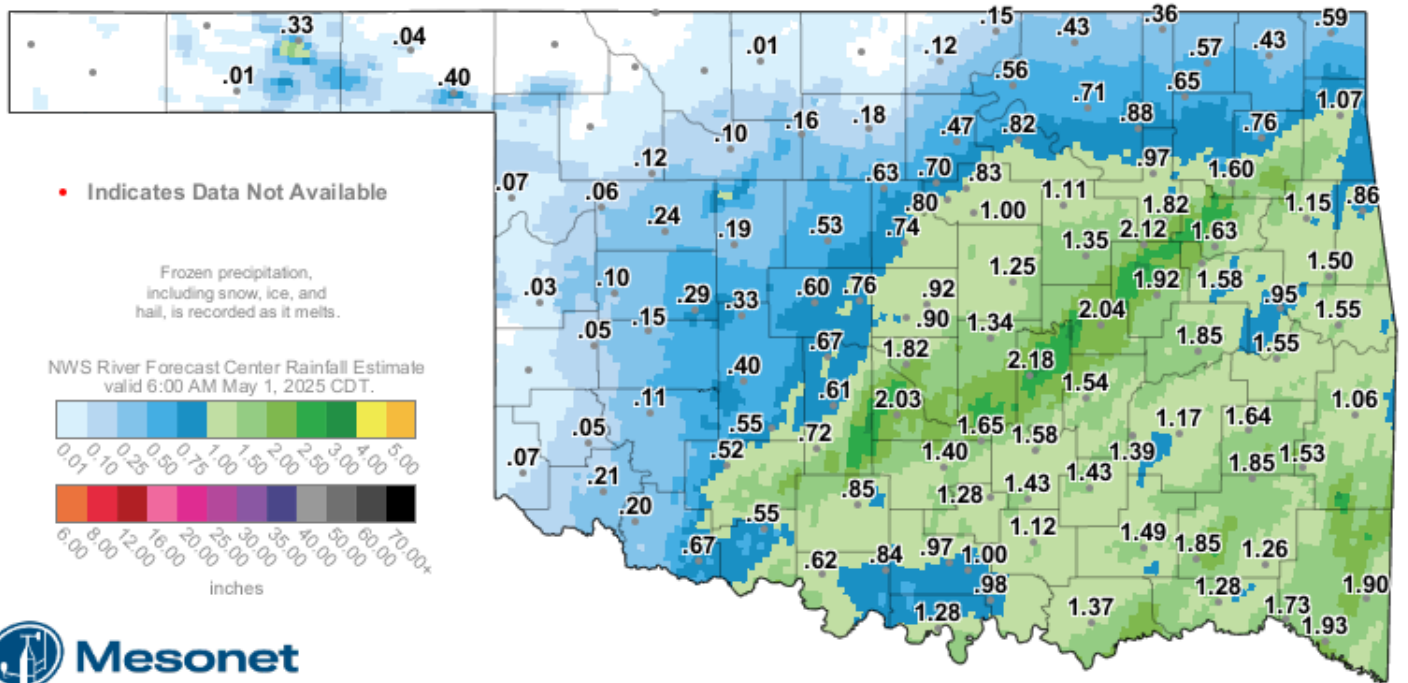


Fig. 35. 24-hour Estimated Observed Rainfall ending at 7am CDT 5/01/2025.

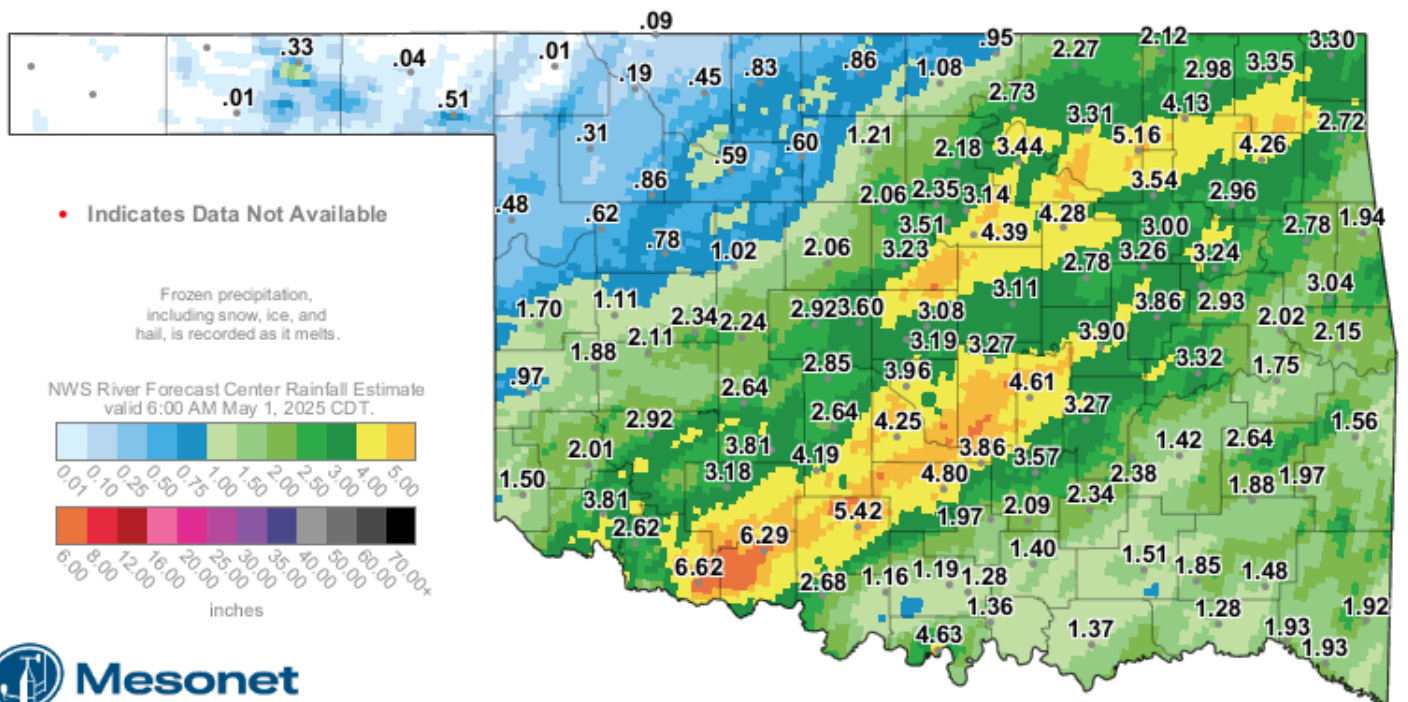


24-Hour Rainfall Accumulation (inches)

7:00 AM May 1, 2025 CDT

Created 7:07:42 AM May 1, 2025 CDT. © Copyright 2025

Fig. 36. OK Mesonet (values) and NWS RFC rainfall estimate (image) 24-hour rainfall ending at 7:00 am CDT 5/01/2025.



2-Day Rainfall Accumulation (inches)

7:00 AM May 1, 2025 CDT

Created 7:07:42 AM May 1, 2025 CDT. © Copyright 2025

Fig. 37. OK Mesonet (values) and NWS RFC rainfall estimate (image) 48-hour rainfall ending at 7:00 am CDT 5/01/2025.

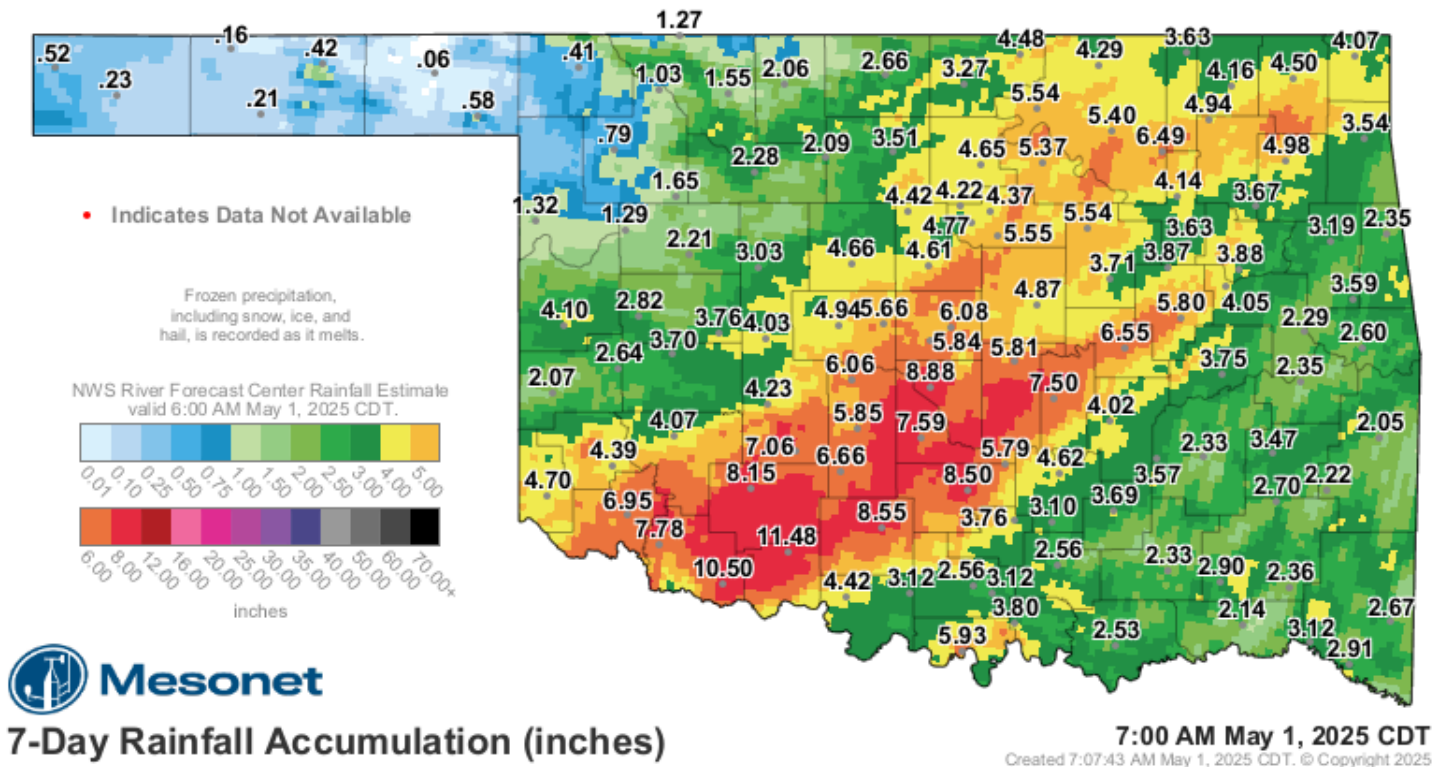


Fig. 38. OK Mesonet (values) and NWS RFC rainfall estimate (image) 7-day rainfall ending at 7:00 am CDT 5/01/2025.

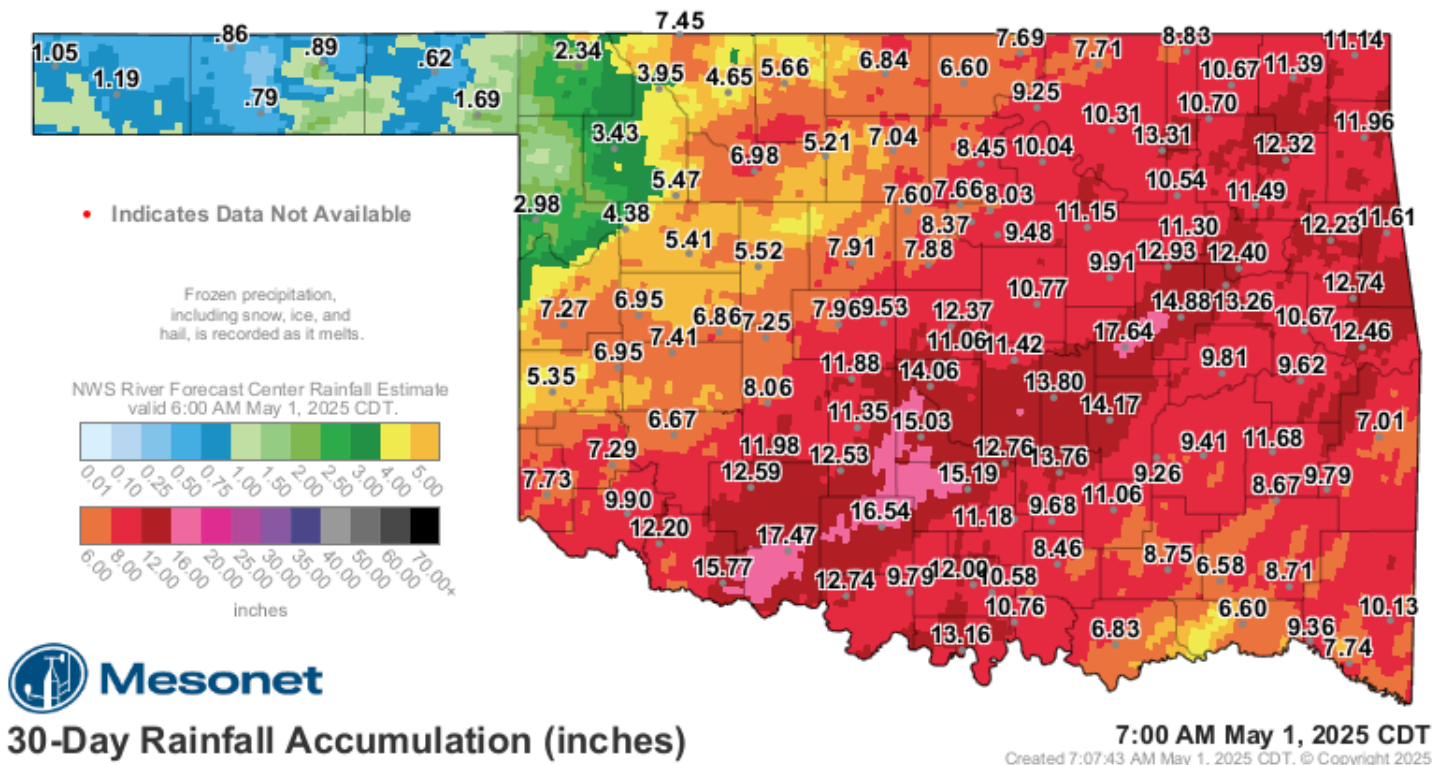


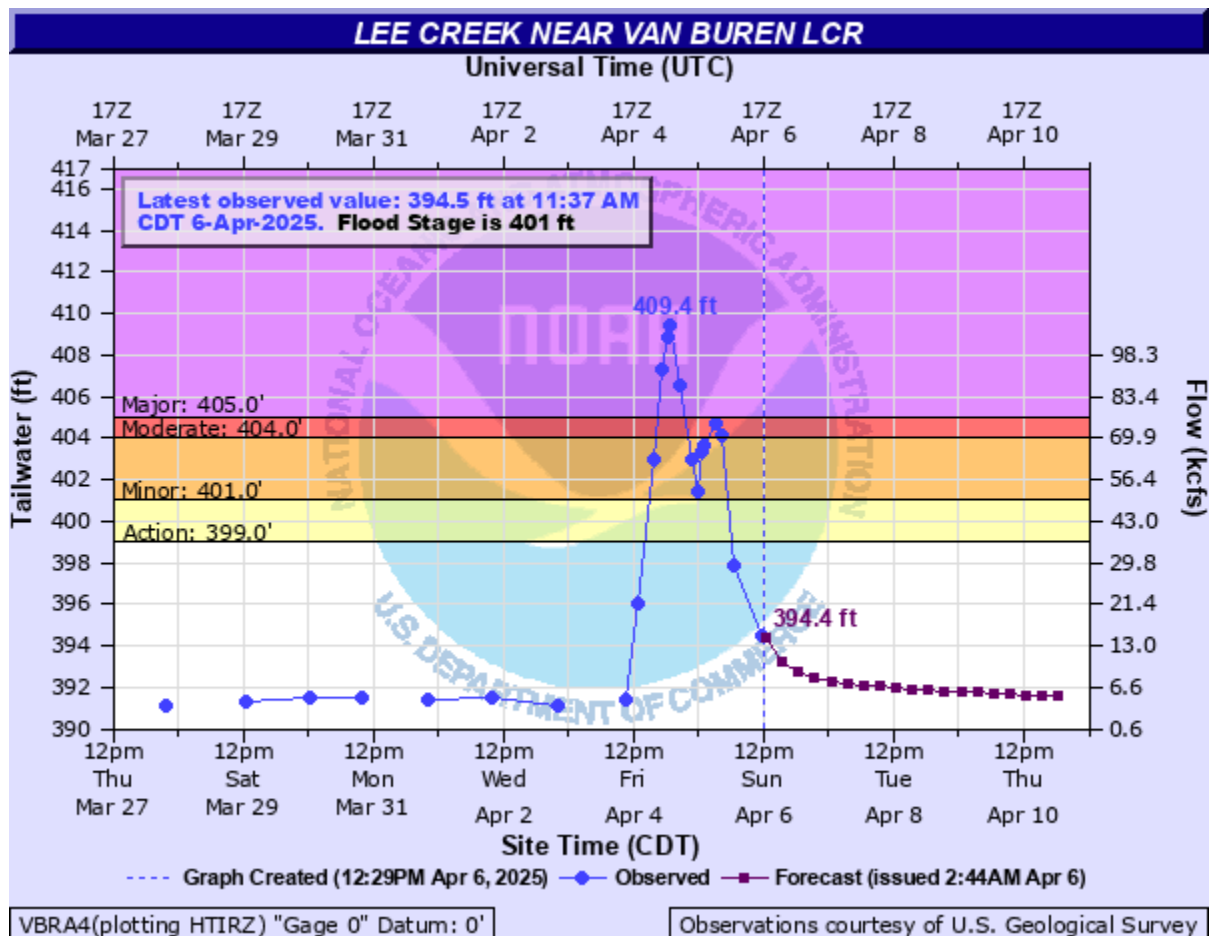
Fig. 39. OK Mesonet (values) and NWS RFC rainfall estimate (image) 30-day rainfall ending at 7:00 am CDT 5/01/2025.

Written by:
Nicole McGavock
Service Hydrologist
WFO Tulsa

Products issued in April 2025:

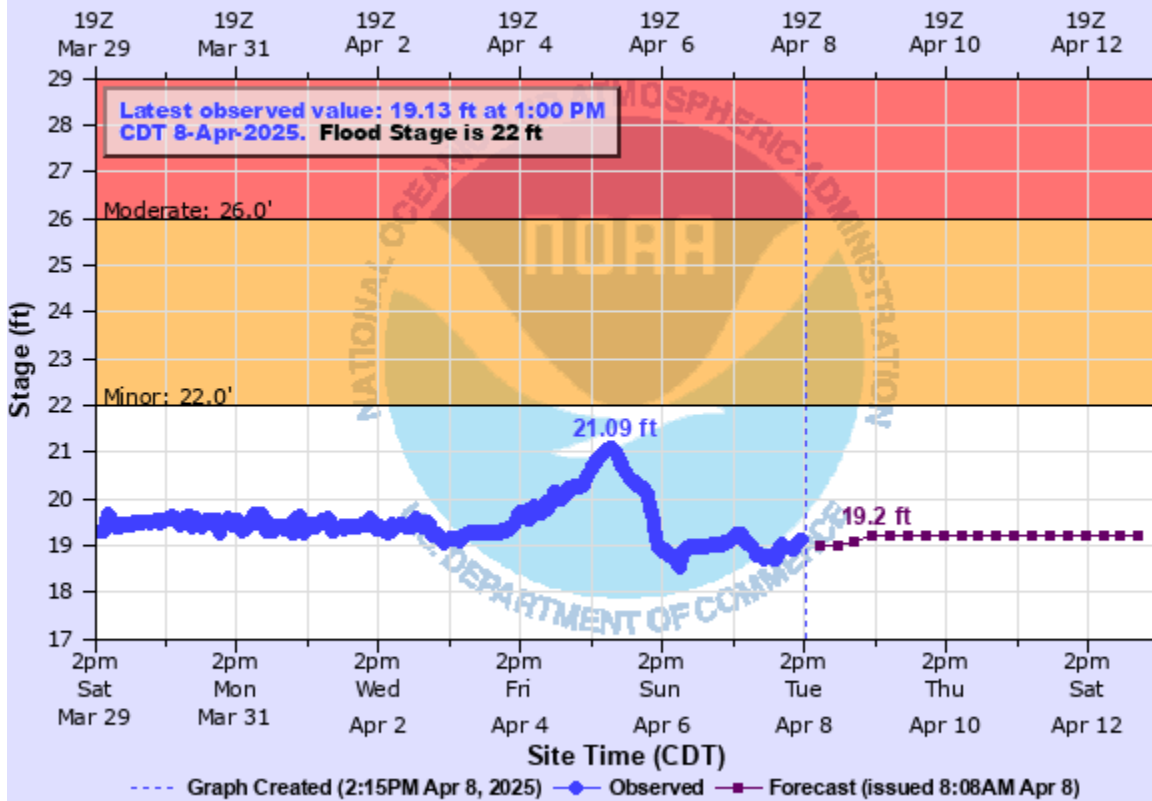
- 20 Flash Flood Warnings (FFW)
- 18 Flash Flood Statements (FFS)
- 3 Flash/Areal Flood Watches (FFA) (20 Watch FFA CON/EXT/EXA/EXB/CAN)
- 47 Urban and Small Stream Advisories (FLS)
- 17 Areal Flood Warnings (FLW)
- 1 Areal Flood Statements (FLS)
- 44 River Flood Warnings (FLW) (includes category increases)
- 200 River Flood Statements (FLS)
- 8 River Flood Advisories (FLS) (32 Advisory FLS CON/EXT/CAN)
- 0 River Flood Watches (FFA) (0 Watch FFA CON/EXT/CAN)
- 0 River Statements (RVS)
- 0 Hydrologic Outlooks (ESF)
- 0 Drought Information Statements (DGT)

Preliminary Hydrographs:



ARKANSAS RIVER AT VAN BUREN

Universal Time (UTC)

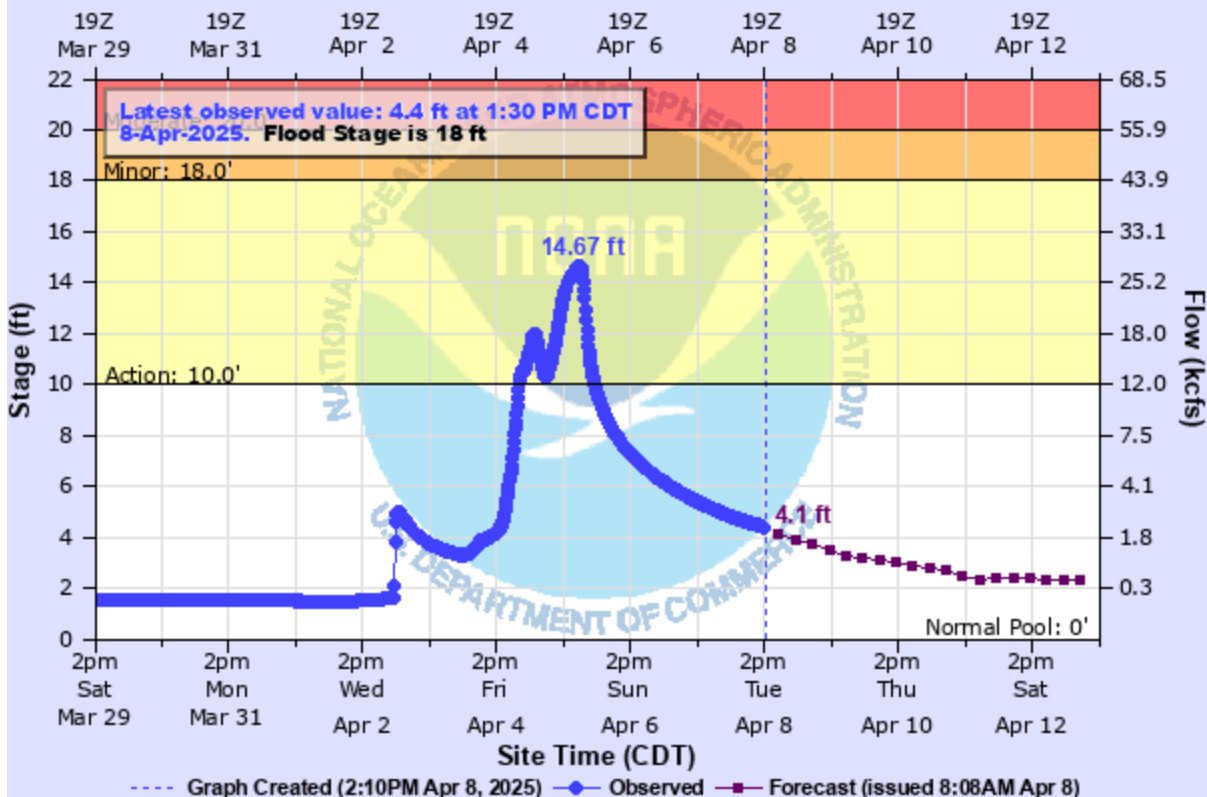


VBUA4(plotting HGIRG) "Gage 0" Datum: 372.57'

Observations courtesy of U.S. Geological Survey

MULBERRY RIVER (AR) NEAR MULBERRY

Universal Time (UTC)

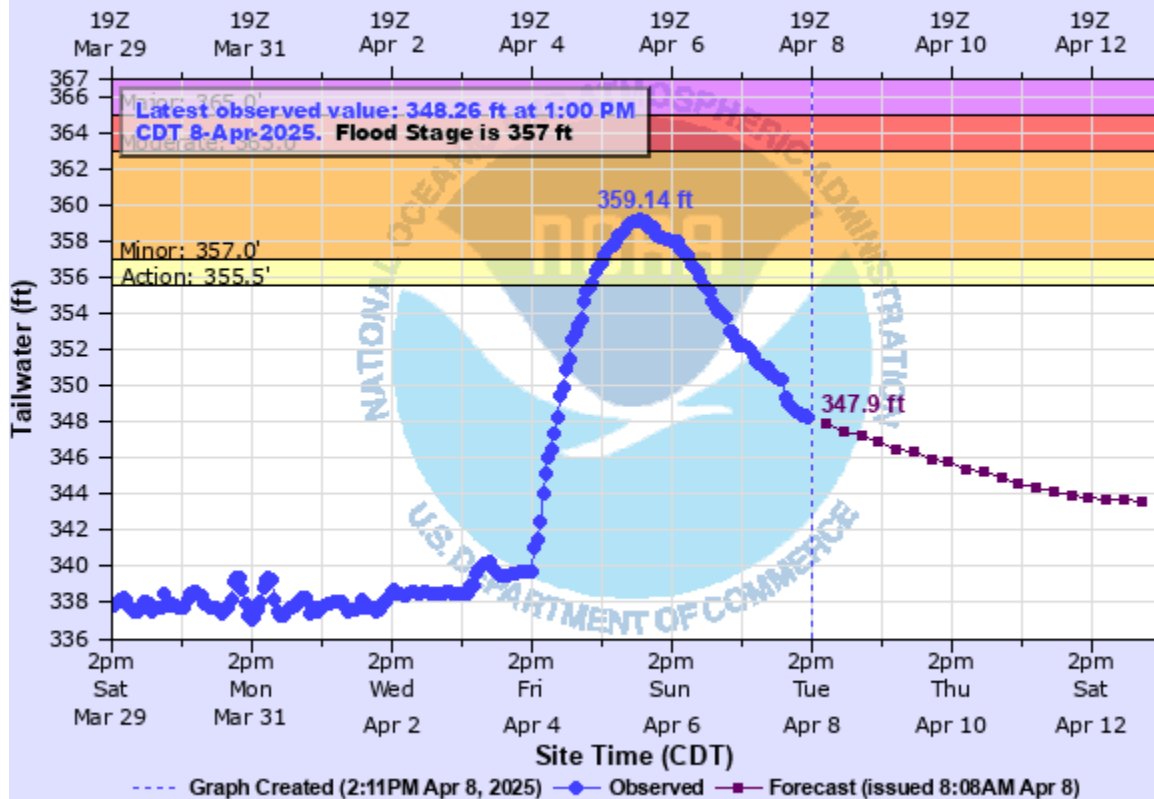


MLBA4(plotting HGIRG) "Gage 0" Datum: 433'

Observations courtesy of USGS/USACE/ADEQ

ARKANSAS RIVER AT OZARK L/D TAILWATER

Universal Time (UTC)

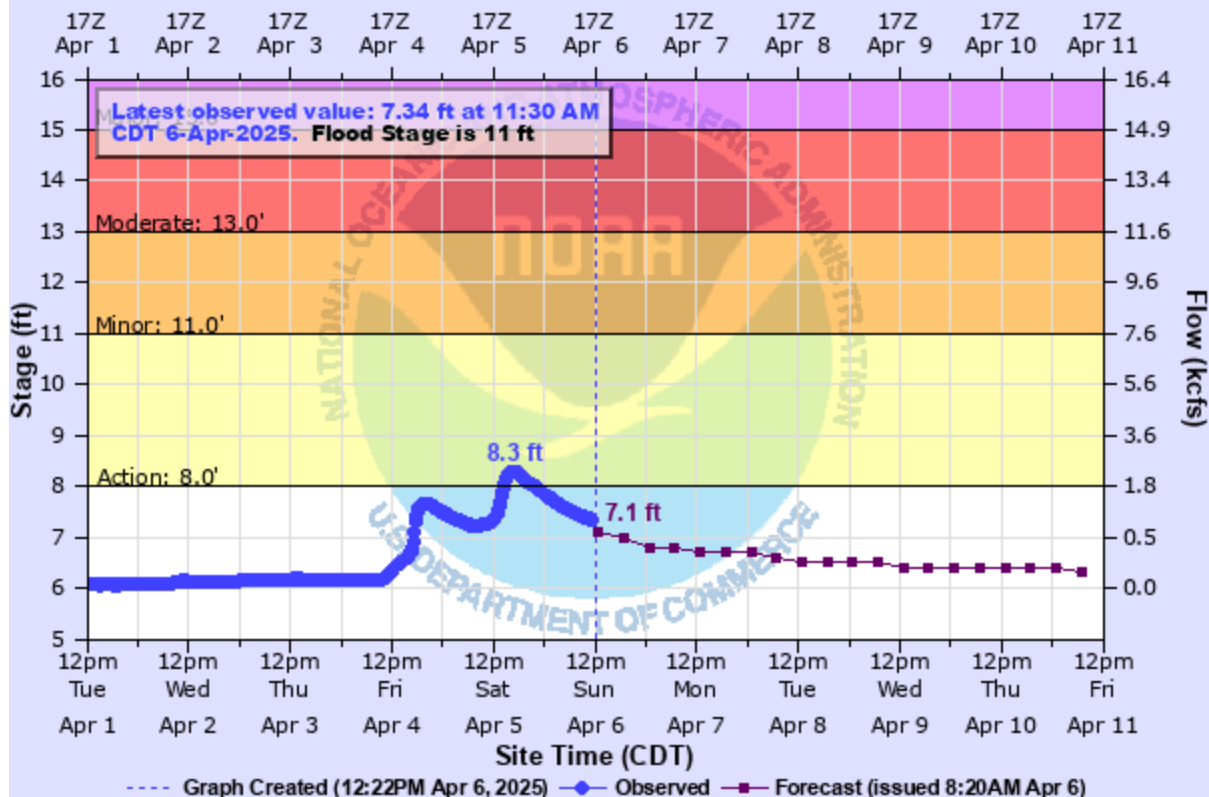


OZGA4(plotting HTIRG) "Gage 0" Datum: 0'

Observations courtesy of US Army Corps of Engineers - LRD

FLINT CREEK (OK) NEAR KANSAS

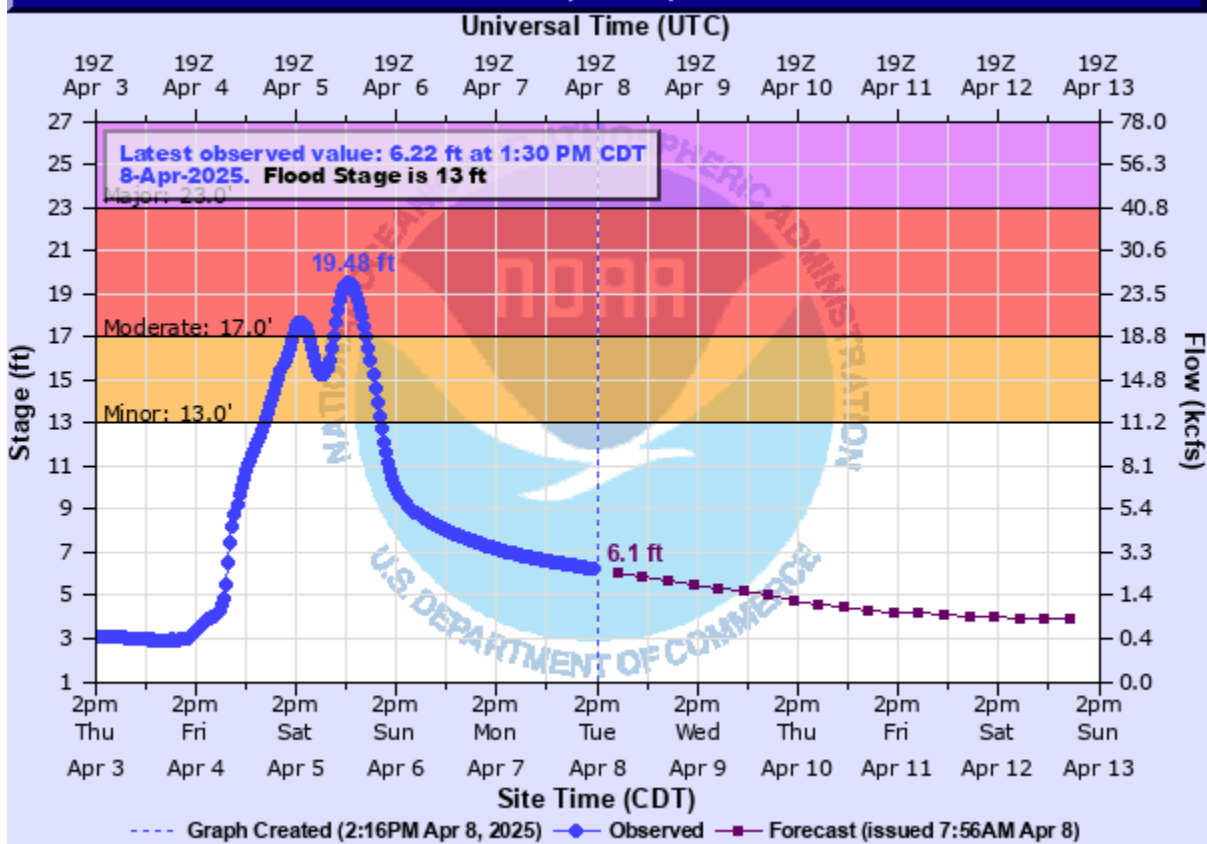
Universal Time (UTC)



KNSO2(plotting HGIRG) "Gage 0" Datum: 854.98'

Observations courtesy of US Geological Survey

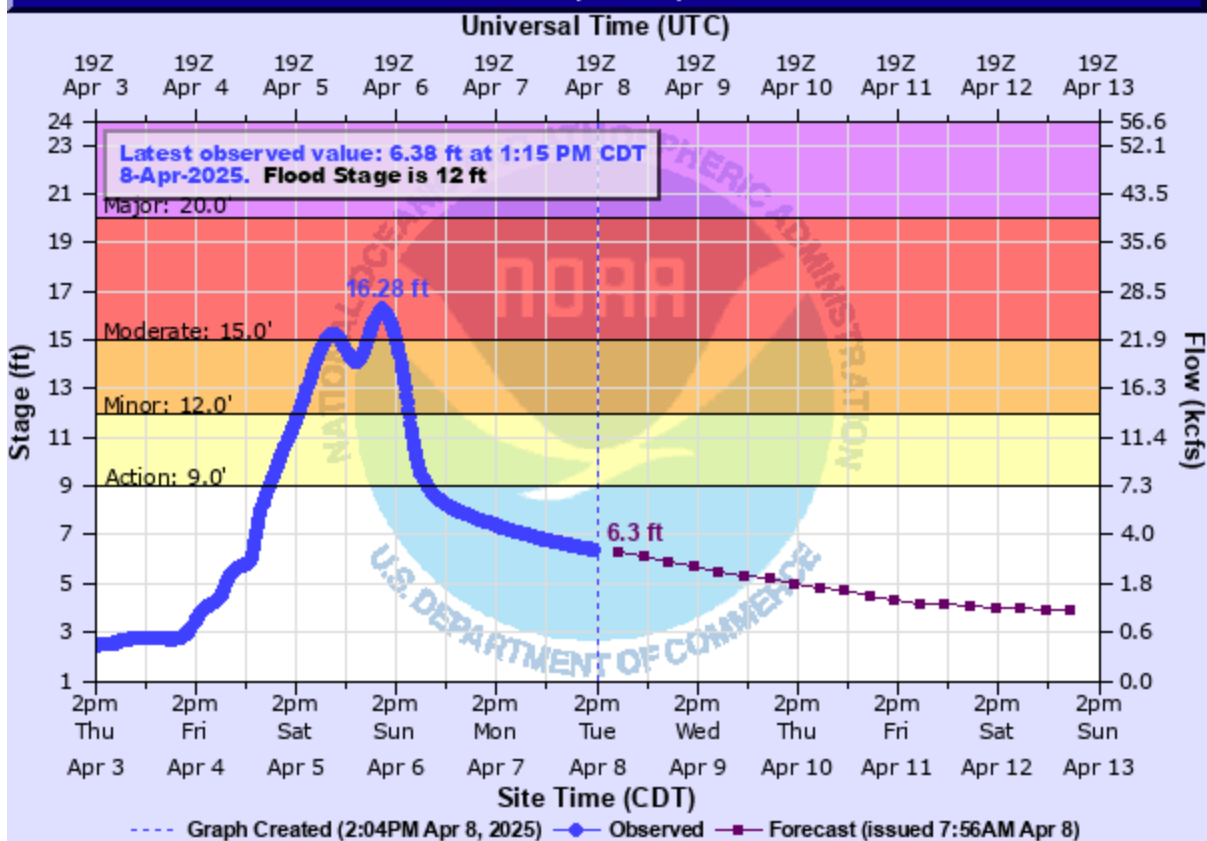
ILLINOIS RIVER (AR OK) NEAR WATTS



WT02(plotting HGIRG) "Gage 0" Datum: 894.01'

Observations courtesy of US Geological Survey

ILLINOIS RIVER (AR OK) AT CHEWEY

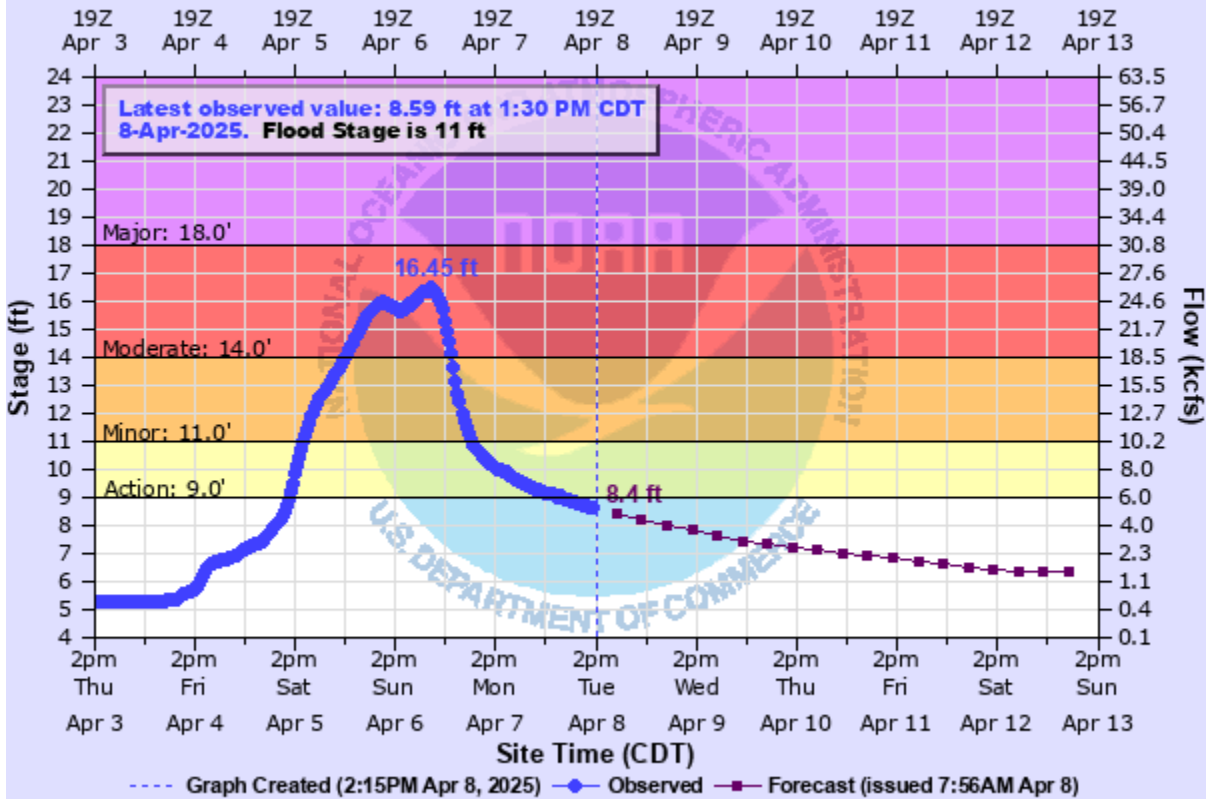


CWY02(plotting HGIRG) "Gage 0" Datum: 800.91'

Observations courtesy of US Geological Survey

ILLINOIS RIVER (AR OK) NEAR TAHLEQUAH

Universal Time (UTC)

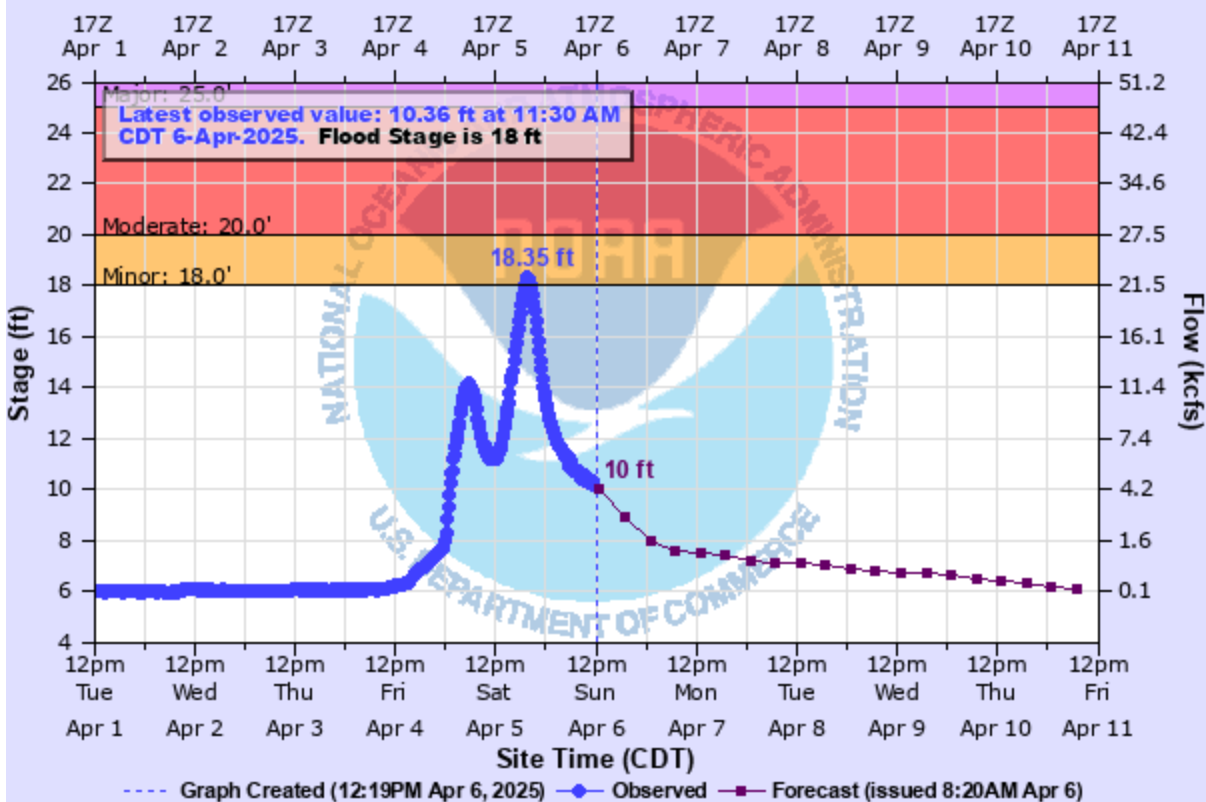


TALO2(plotting HGIRG) "Gage 0" Datum: 665.08'

Observations courtesy of US Geological Survey

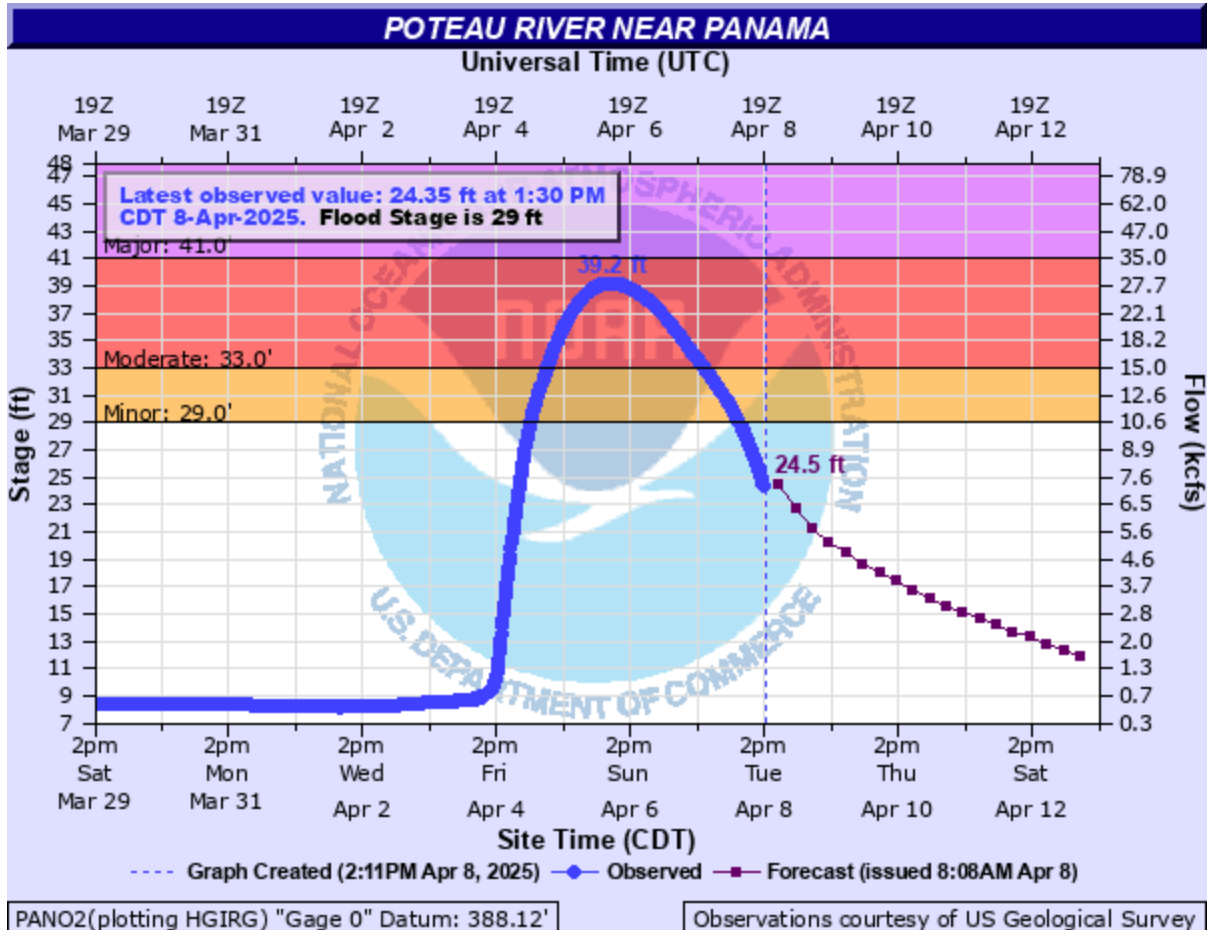
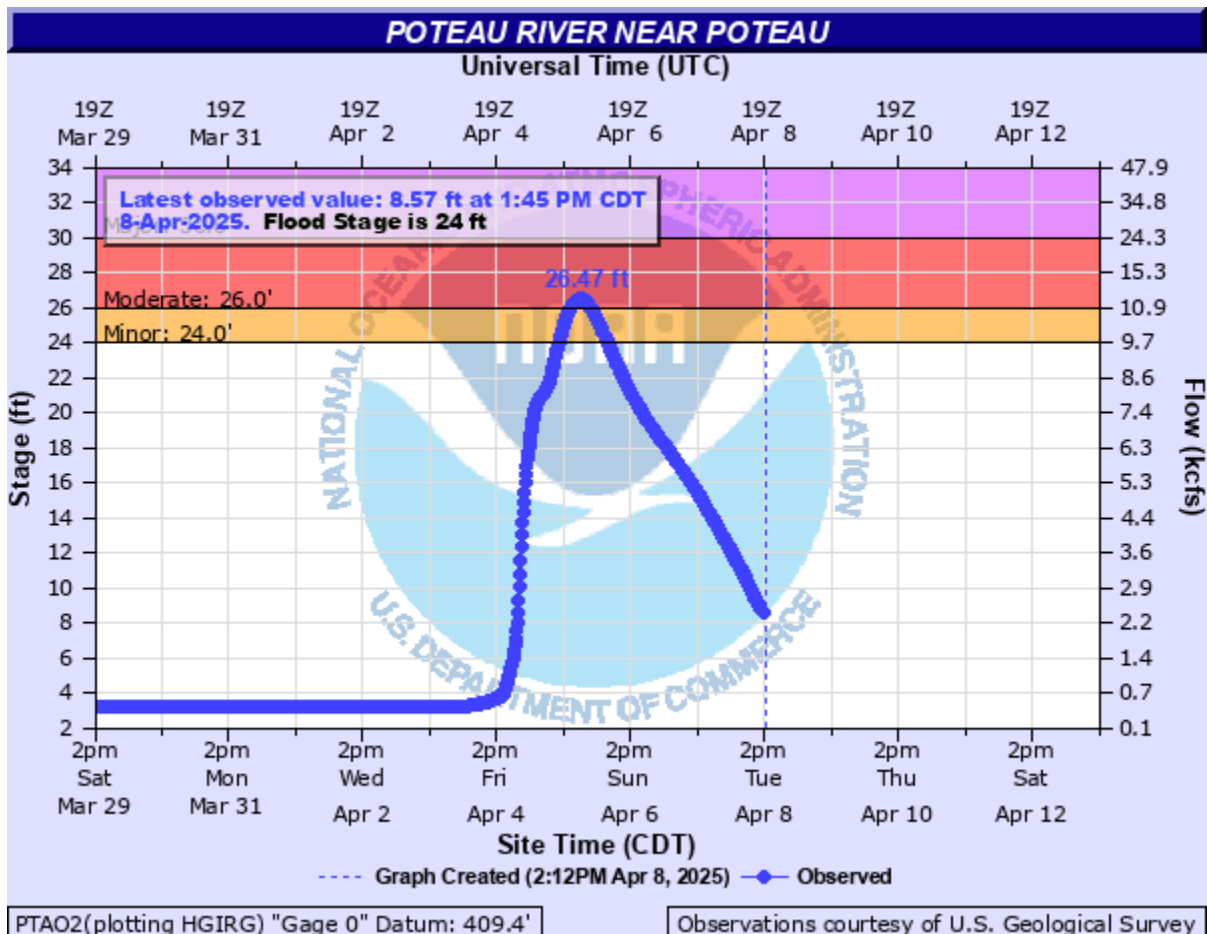
BARON FORK AT ELDON

Universal Time (UTC)



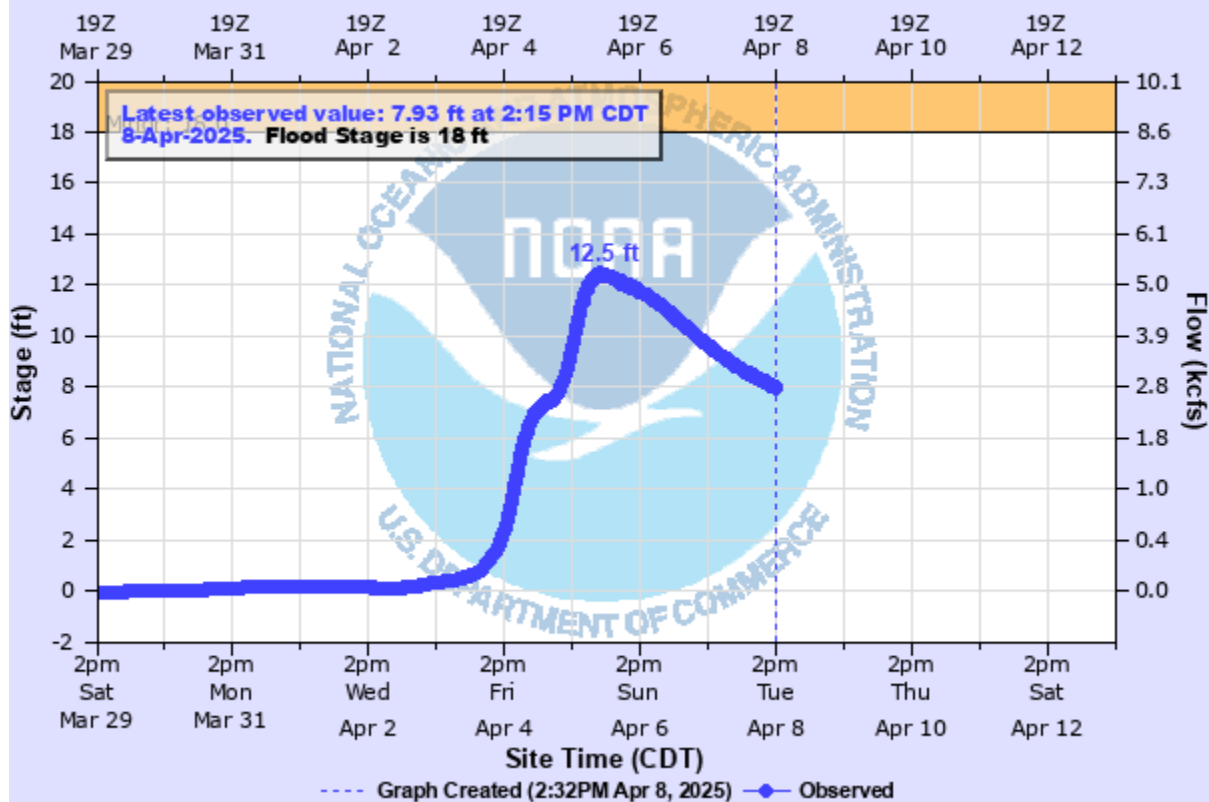
ELDO2(plotting HGIRG) "Gage 0" Datum: 701.33'

Observations courtesy of US Geological Survey



DEEP FORK RIVER NEAR BEGGS

Universal Time (UTC)

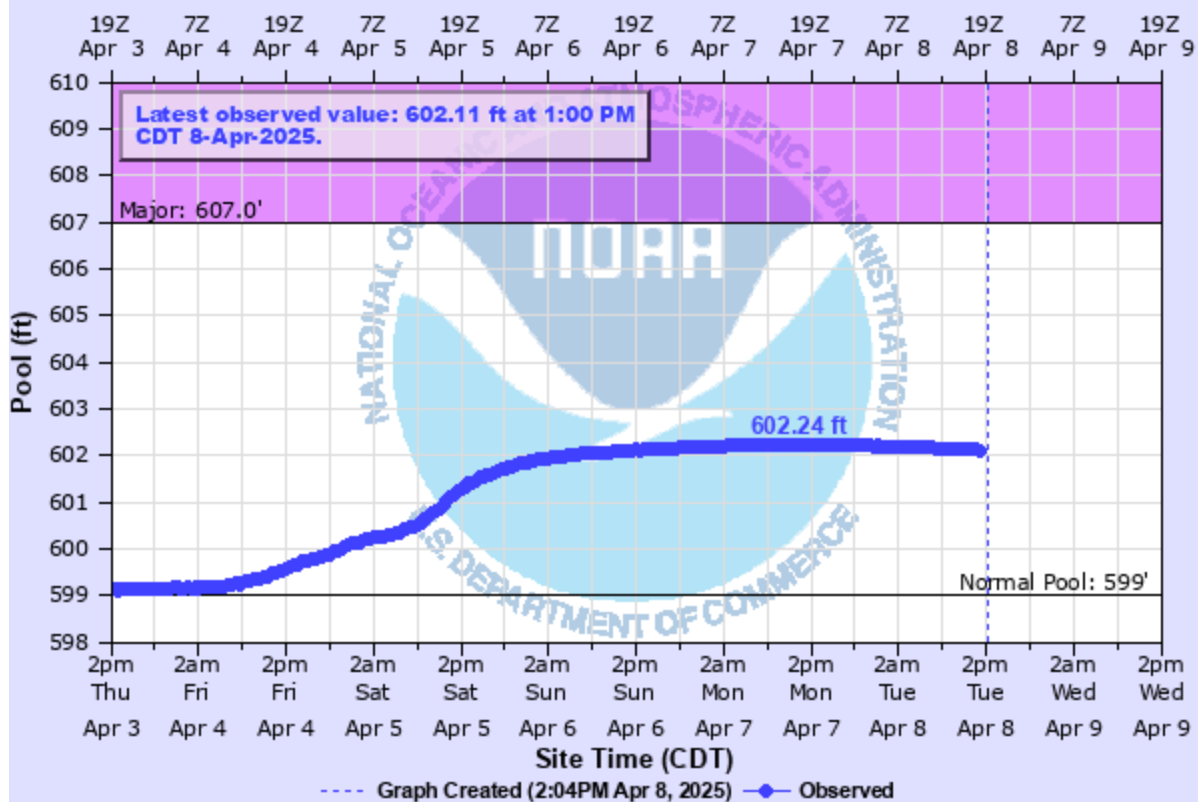


BGS02(plotting HGIRG) "Gage 0" Datum: 632.68'

Observations courtesy of US Geological Survey

EASTERN OKLAHOMA LAKES AT SARDIS LAKE

Universal Time (UTC)

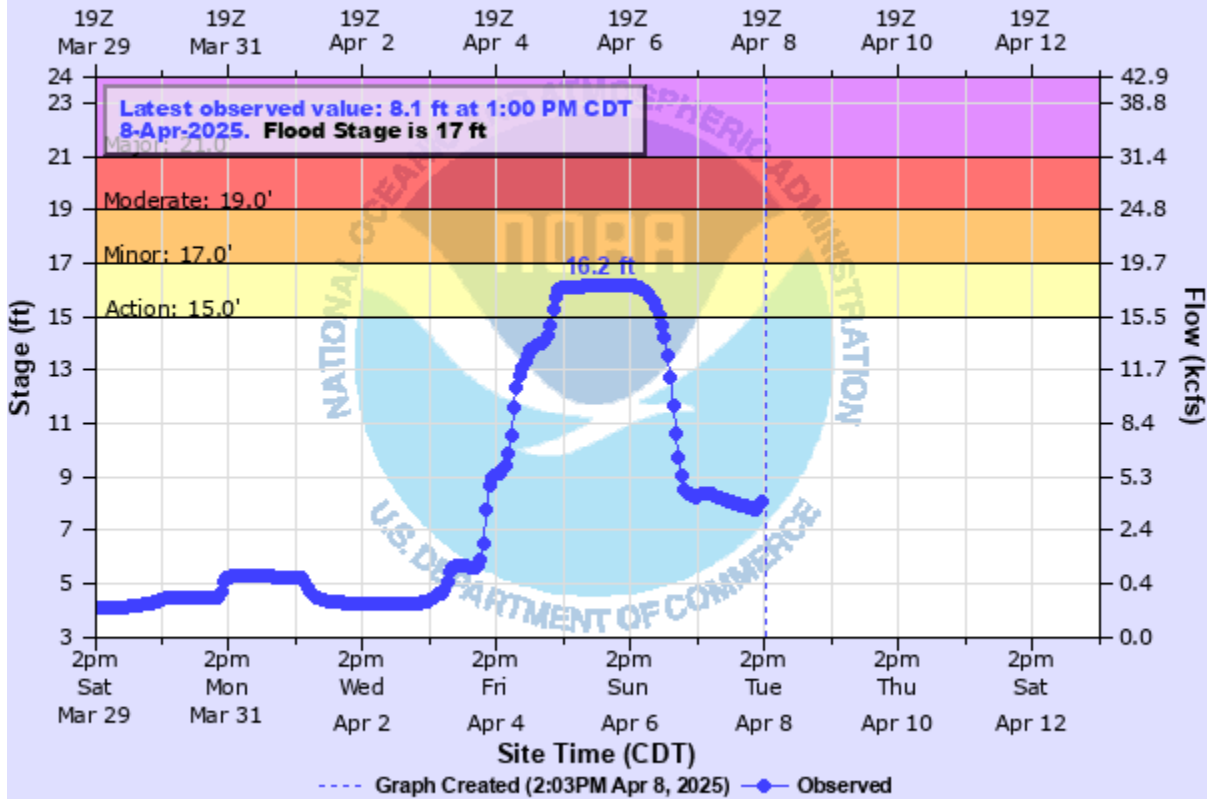


CYD02(plotting HPIRG) "Gage 0" Datum: n/a

Observations courtesy of US Army Corps of Engineers

KIAMICHI RIVER NEAR CLAYTON

Universal Time (UTC)

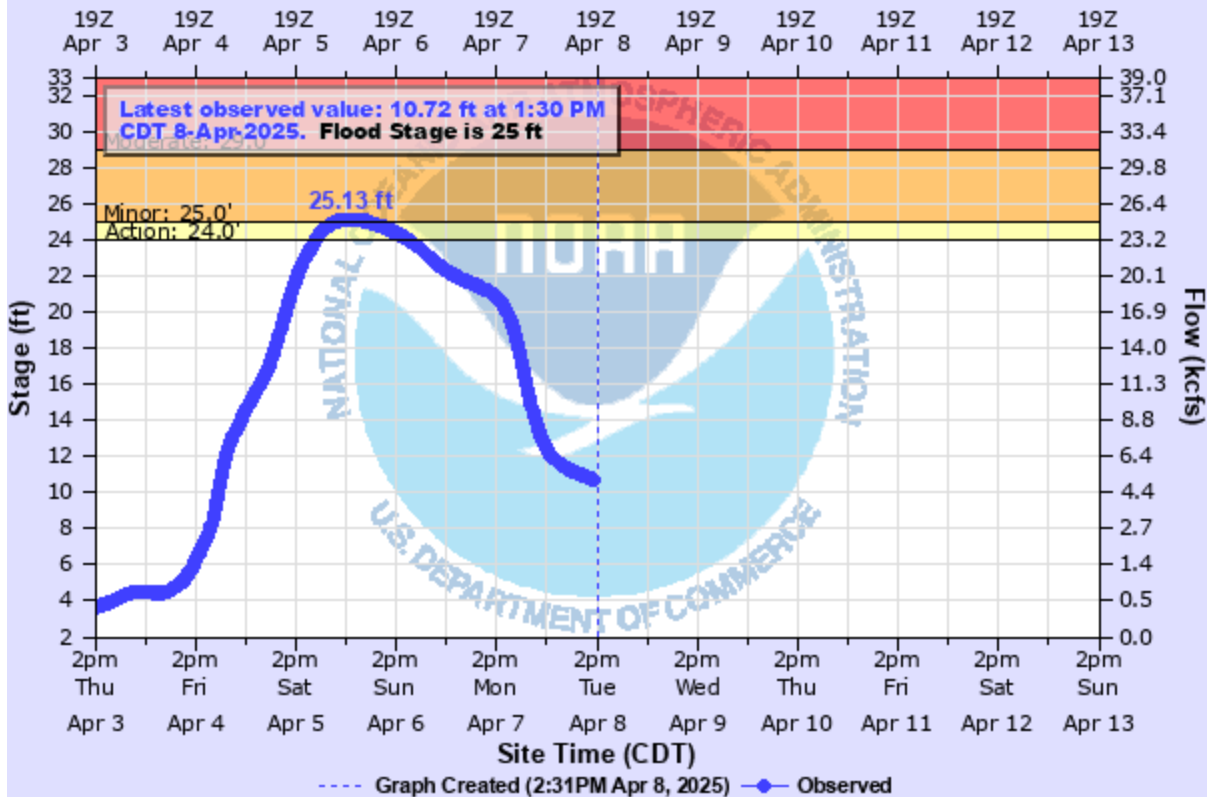


CLT02(plotting HGIRG) "Gage 0" Datum: 520.42'

Observations courtesy of US Geological Survey

KIAMICHI RIVER NEAR ANTLERS

Universal Time (UTC)

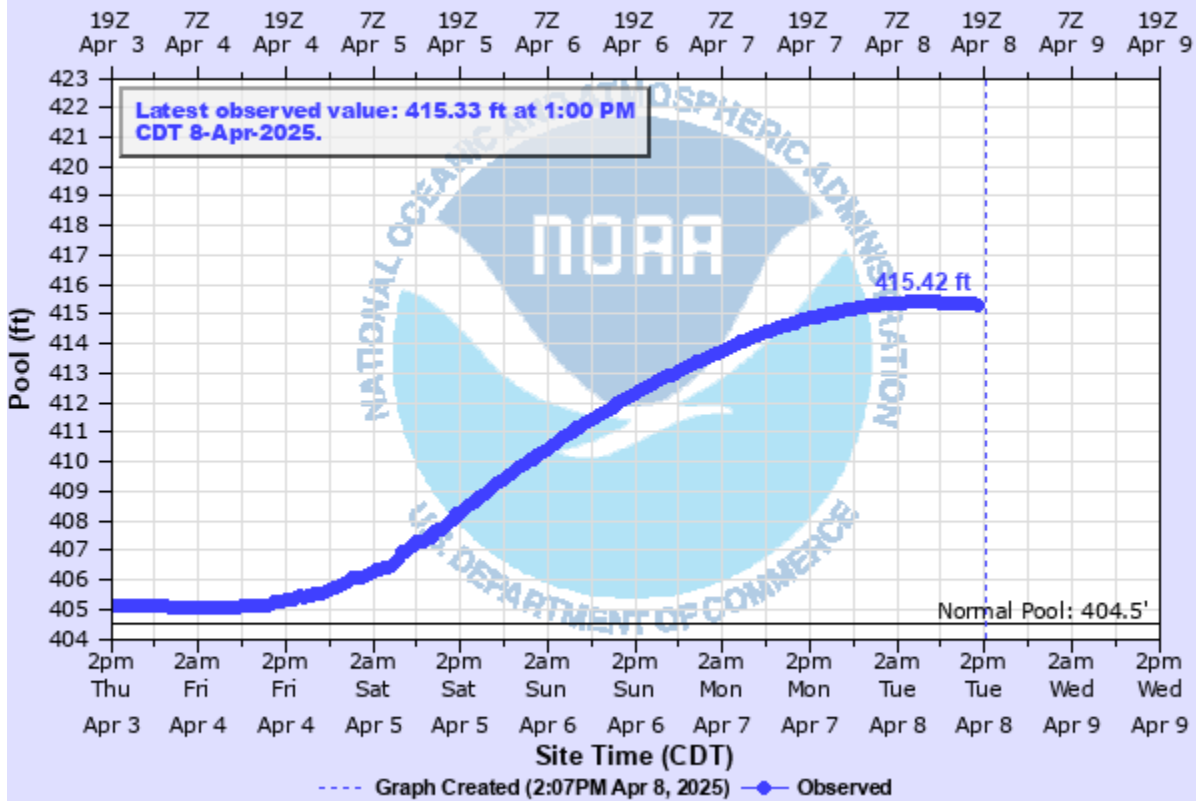


ANT02(plotting HGIRG) "Gage 0" Datum: 420.1'

Observations courtesy of US Geological Survey

EASTERN OKLAHOMA LAKES AT HUGO LAKE

Universal Time (UTC)

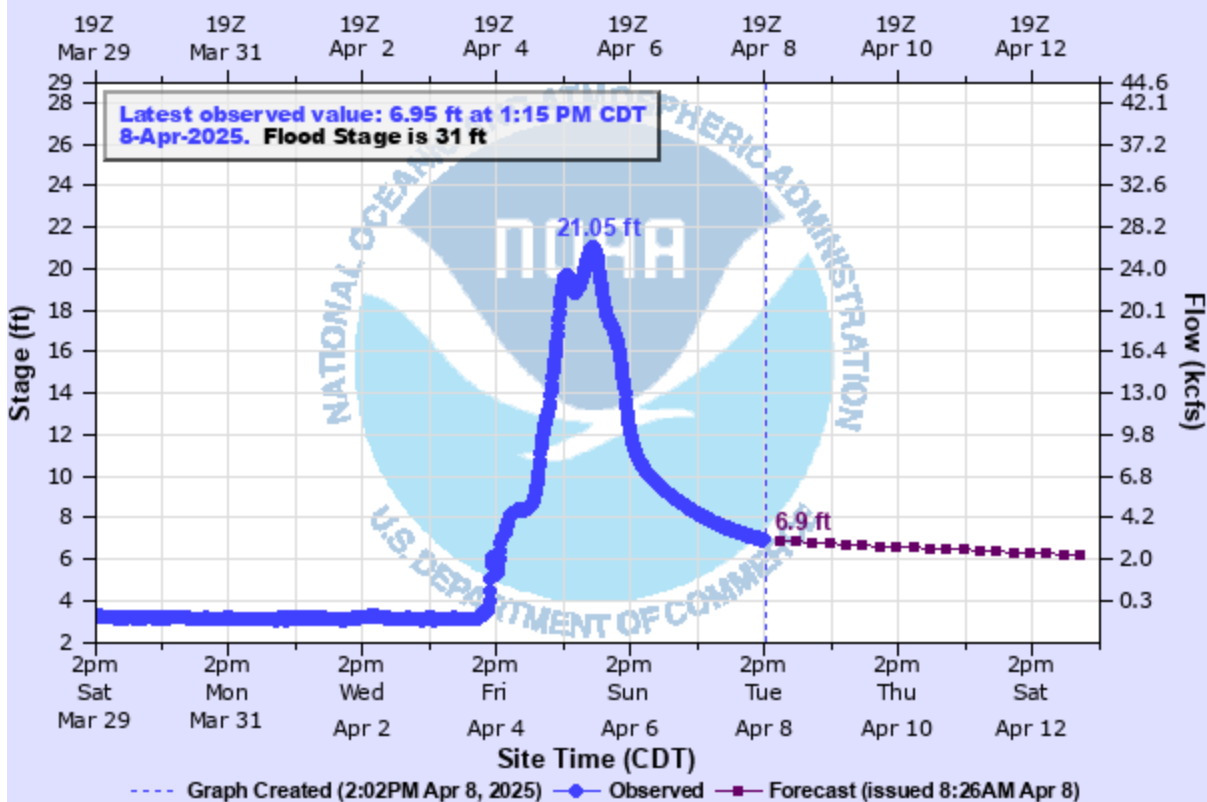


HGLO2(plotting HPIRG) "Gage 0" Datum: n/a

Observations courtesy of US Army Corps of Engineers

KINGS RIVER NEAR BERRYVILLE

Universal Time (UTC)

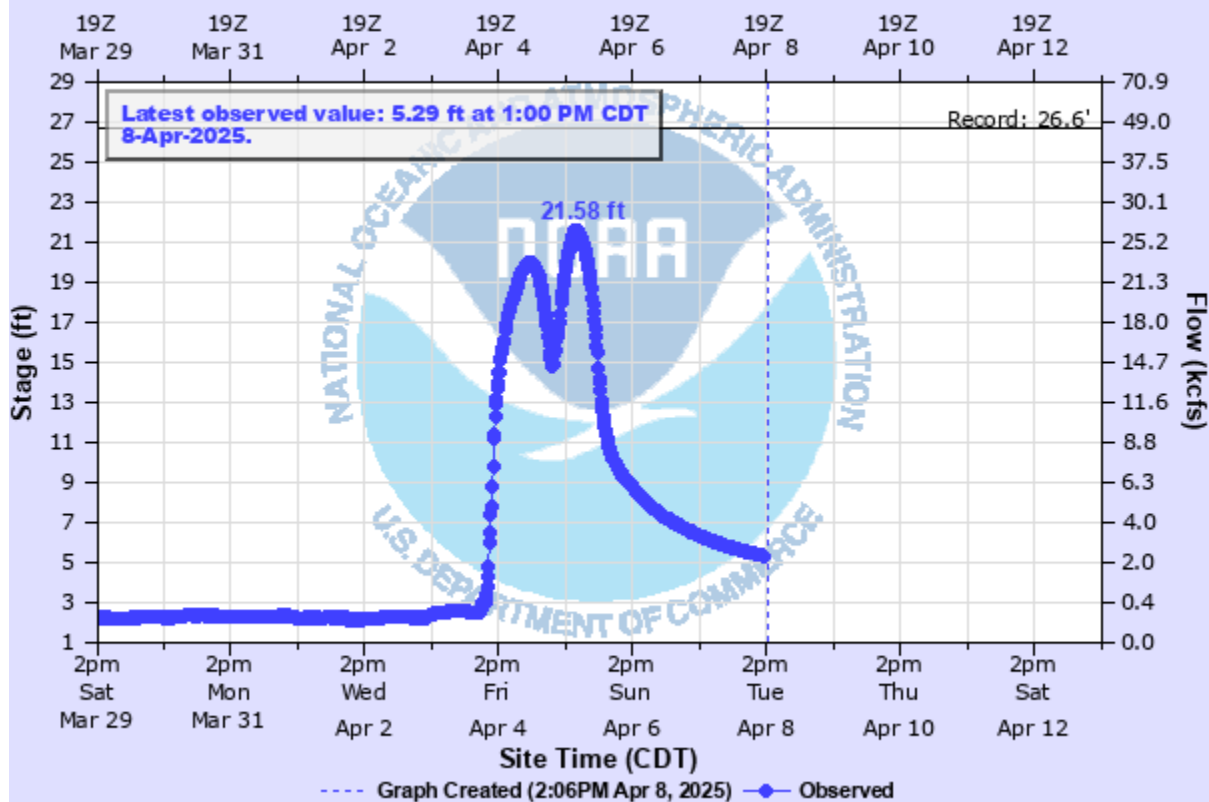


BRYA4(plotting HGIRG) "Gage 0" Datum: 963.66'

Observations courtesy of US Geological Survey

WHITE RIVER NEAR FAYETTEVILLE

Universal Time (UTC)

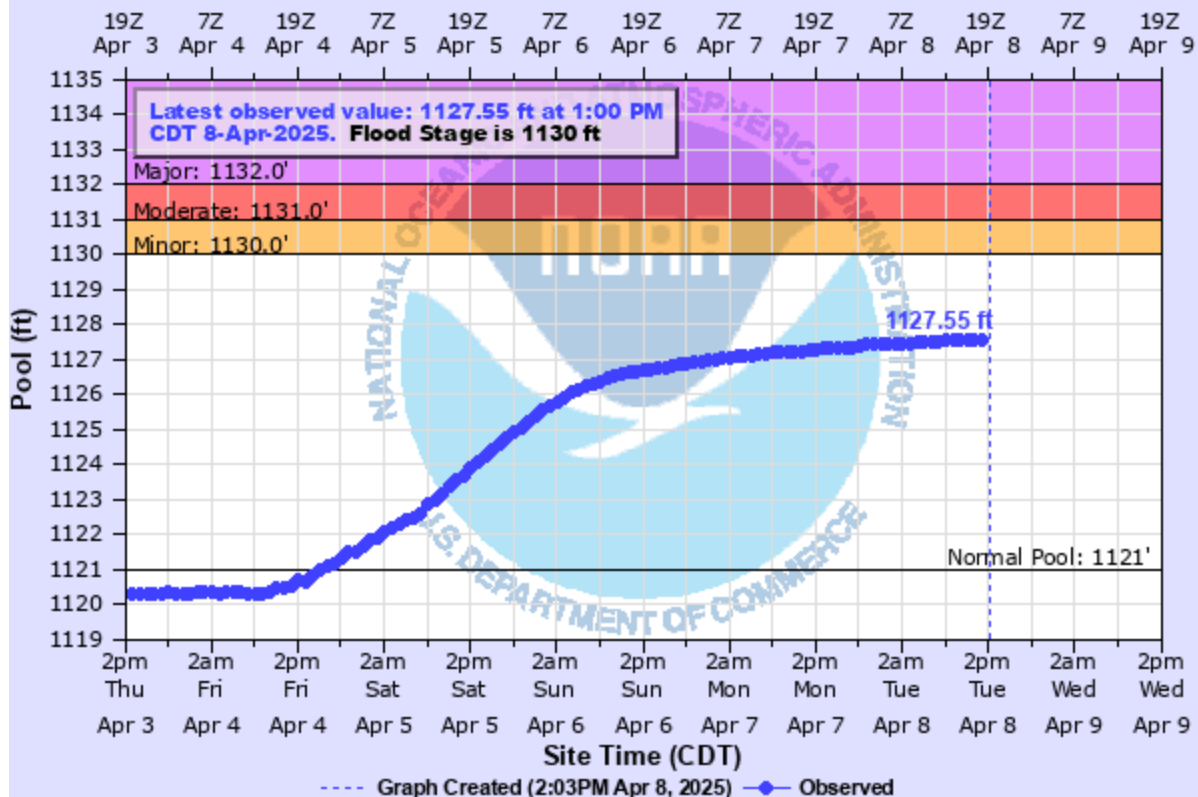


FYGA4(plotting HGIRG) "Gage 0" Datum: 1138.6'

Observations courtesy of US Geological Survey

NORTHWEST ARKANSAS LAKES AT BEAVER LAKE

Universal Time (UTC)

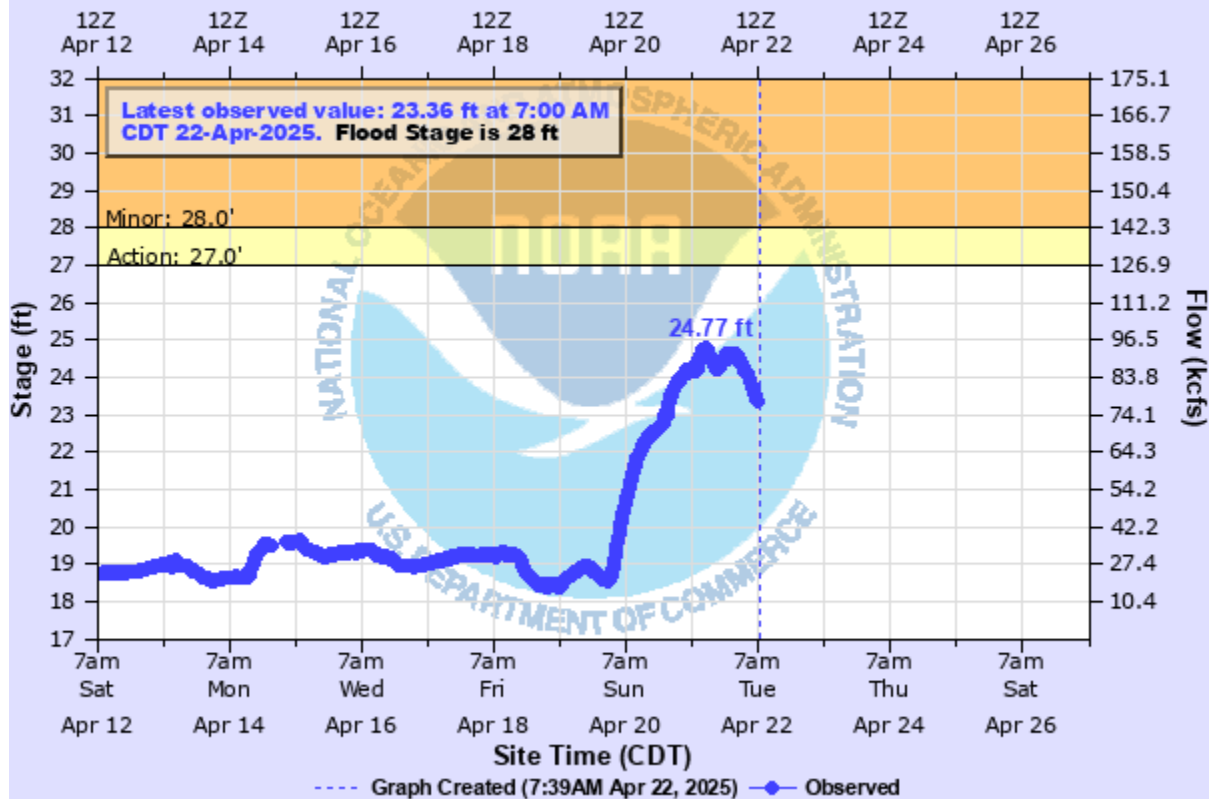


BVGA4(plotting HPIRG) "Gage 0" Datum: n/a

Observations courtesy of US Army Corps of Engineers

ARKANSAS RIVER NEAR MUSKOGEE

Universal Time (UTC)

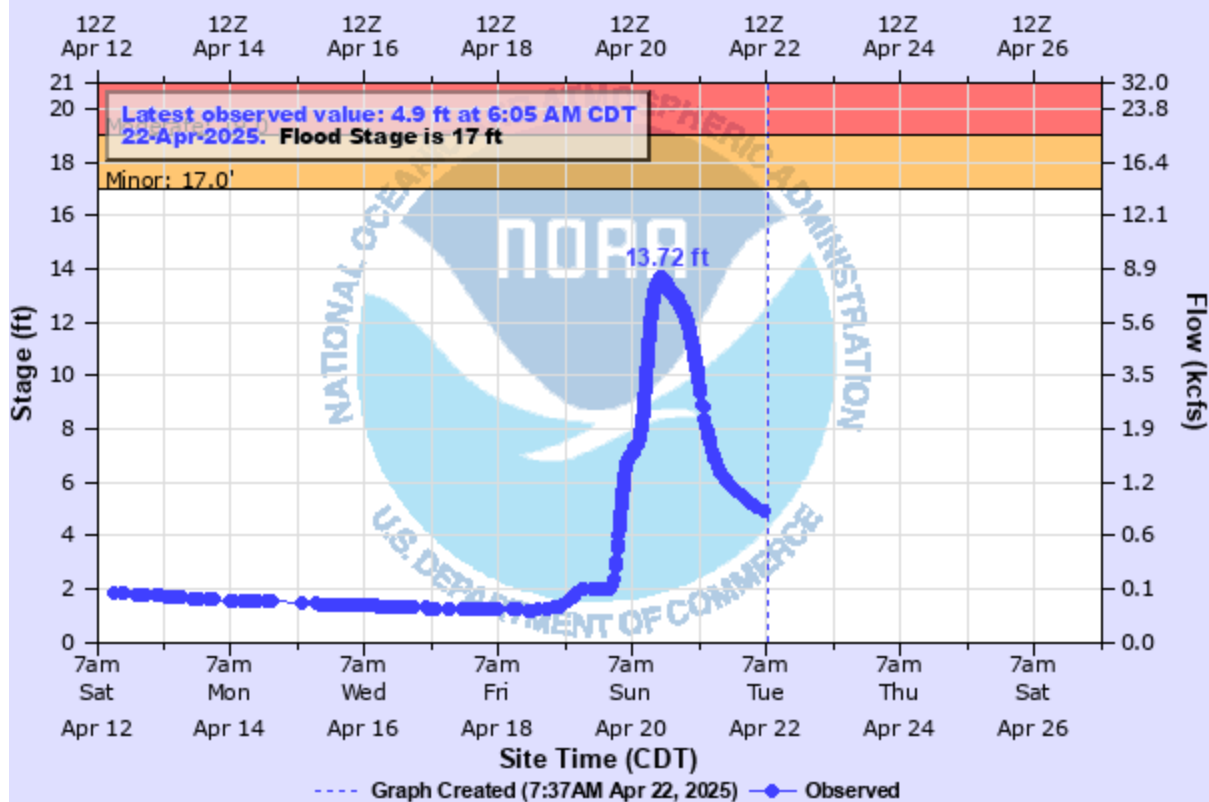


MKG02(plotting HGIRG) "Gage 0" Datum: 471.67'

Observations courtesy of US Geological Survey

POLECAT CREEK NEAR JENKS

Universal Time (UTC)

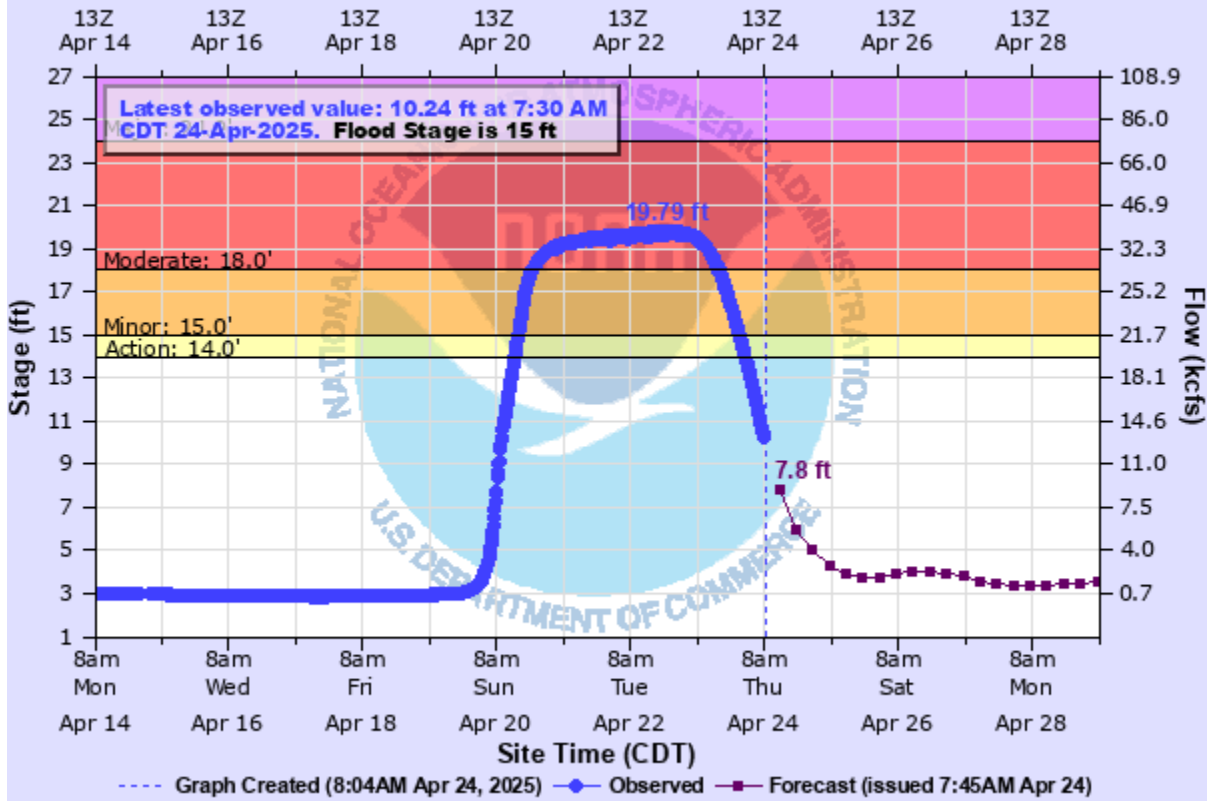


JNK02(plotting HGIRR) "Gage 0" Datum: 599'

Observations courtesy of U.S. Geological Survey

NEOSHO RIVER NEAR COMMERCE

Universal Time (UTC)

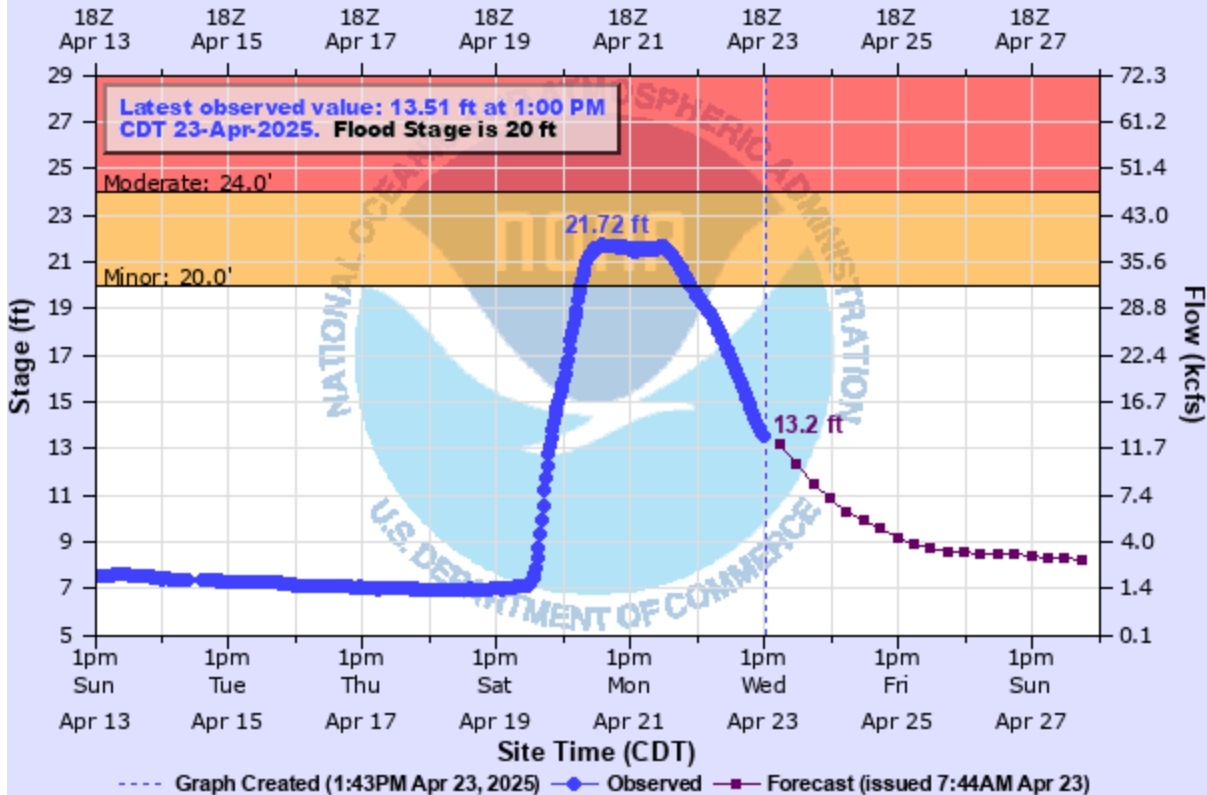


COMO2(plotting HGIRG) "Gage 0" Datum: 749.1'

Observations courtesy of US Geological Survey

SPRING RIVER NEAR QUAPAW

Universal Time (UTC)

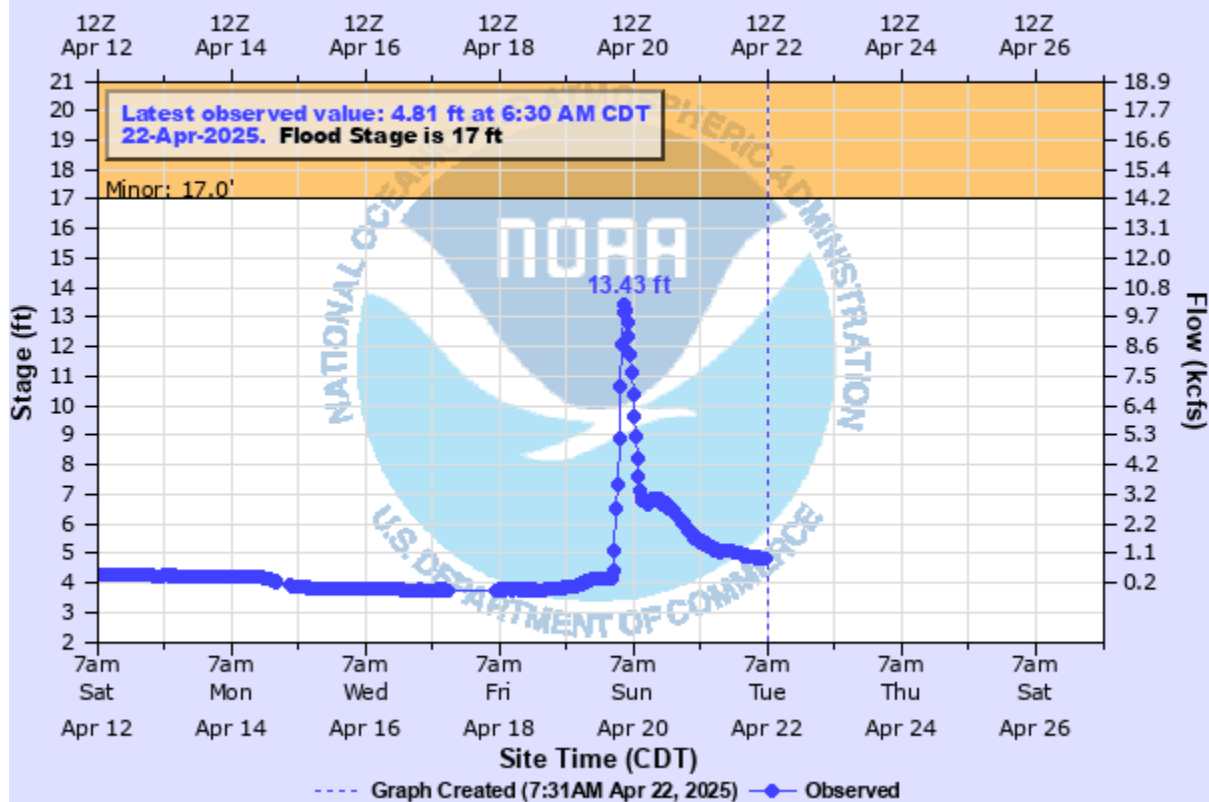


QUAO2(plotting HGIRG) "Gage 0" Datum: 746.28'

Observations courtesy of US Geological Survey

BIRD CREEK AT AVANT

Universal Time (UTC)

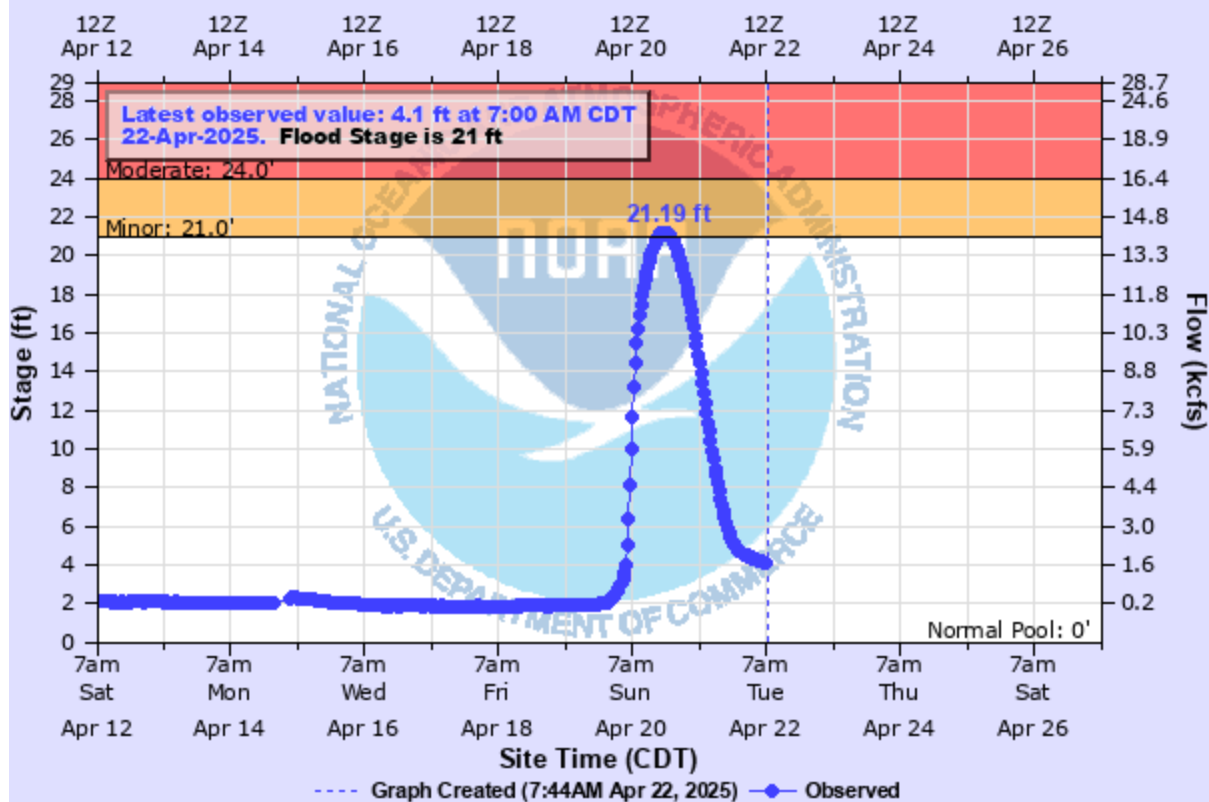


AVT02(plotting HGIRG) "Gage 0" Datum: 646.39'

Observations courtesy of US Geological Survey

BIRD CREEK NEAR SPERRY

Universal Time (UTC)

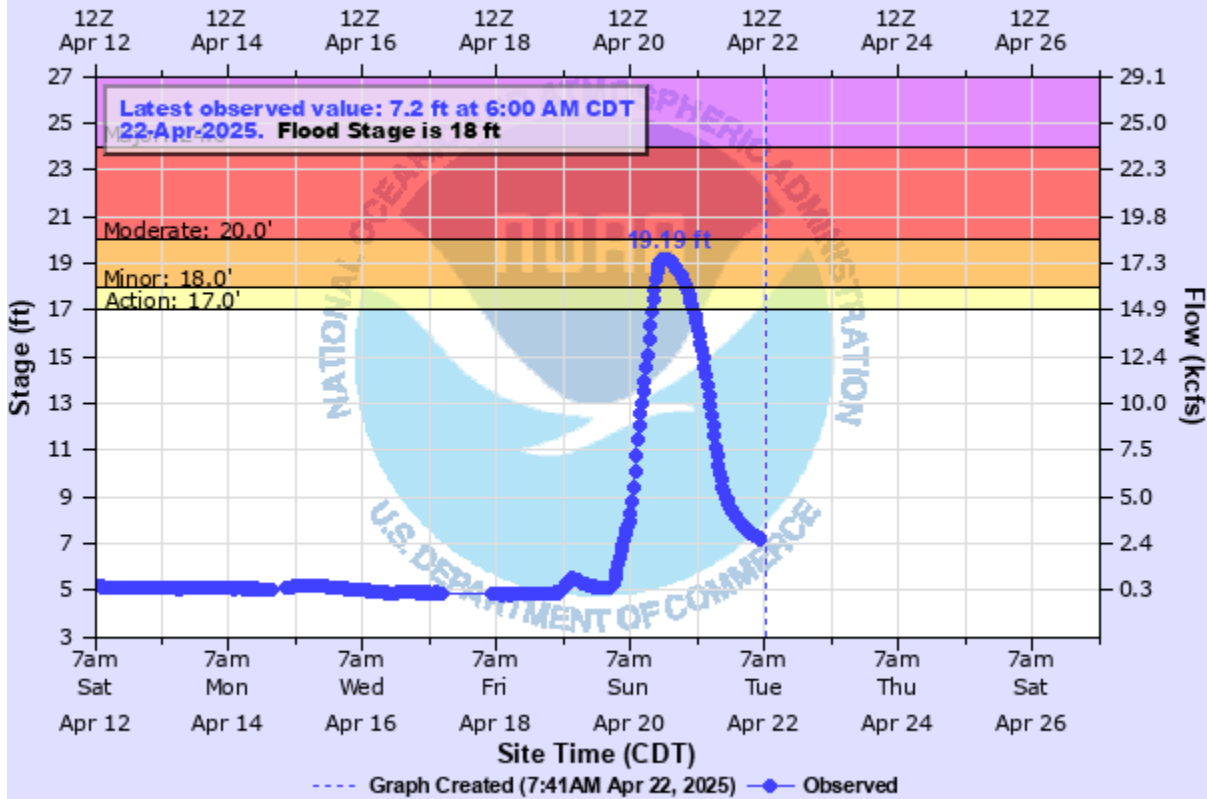


SPE02(plotting HGIRG) "Gage 0" Datum: 579.76'

Observations courtesy of US Geological Survey

BIRD CREEK NEAR OWASSO

Universal Time (UTC)

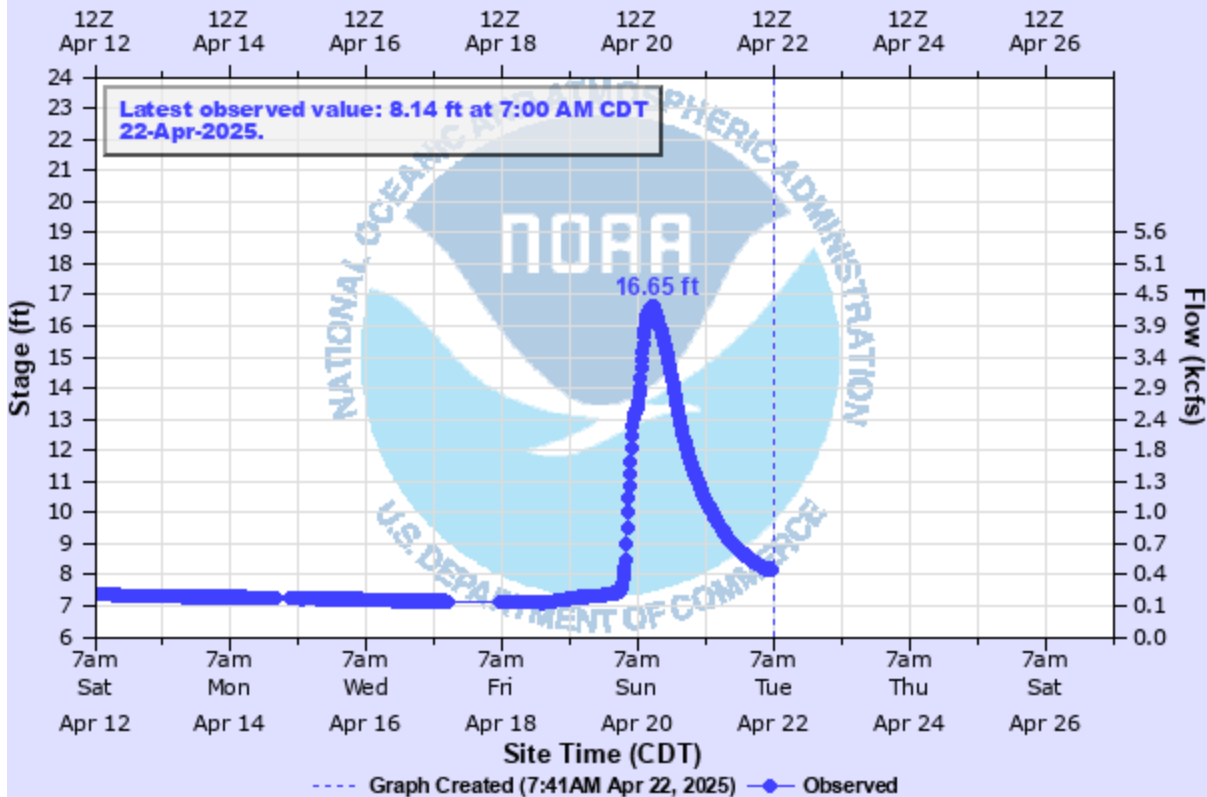


OWSO2(plotting HGIRG) "Gage 0" Datum: 560.64'

Observations courtesy of US Geological Survey

SAND CREEK (OK) NEAR OKESA

Universal Time (UTC)

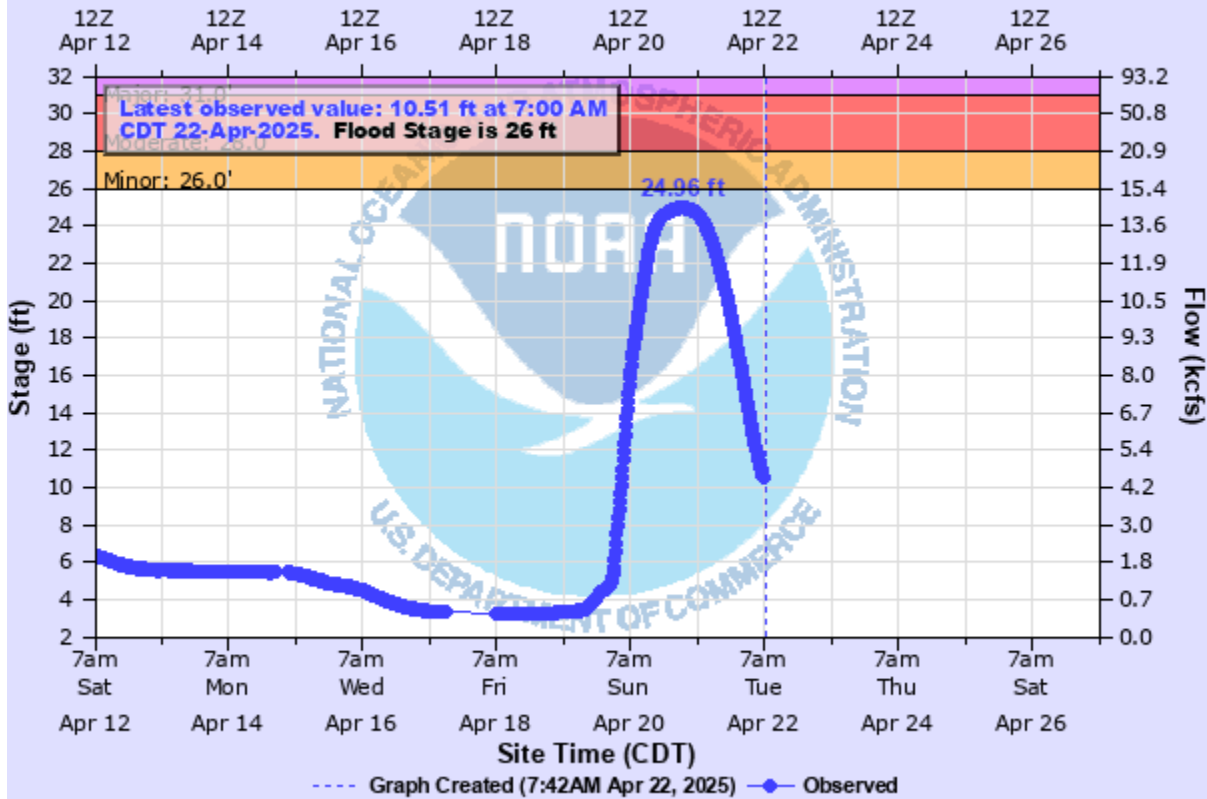


OKEO2(plotting HGIRG) "Gage 0" Datum: 660.52'

Observations courtesy of US Geological Survey

CANEY RIVER NEAR RAMONA

Universal Time (UTC)

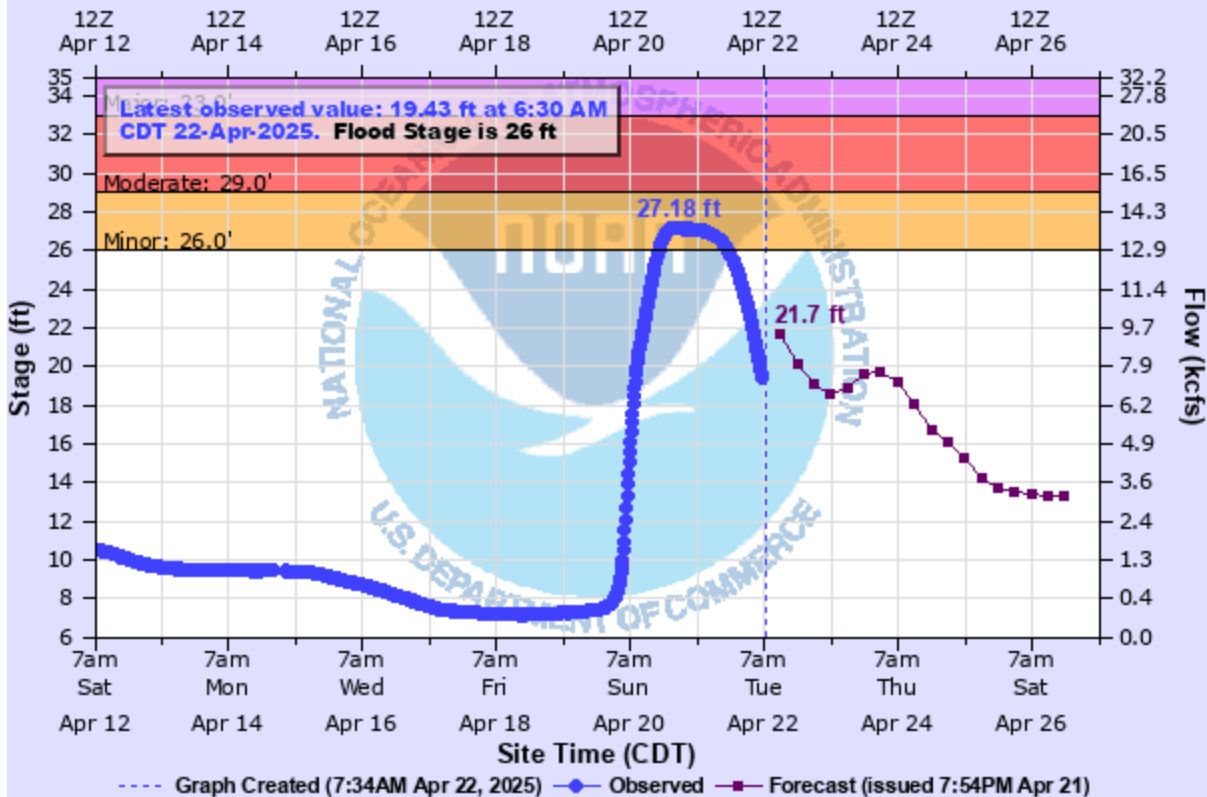


RAMO2(plotting HGIRG) "Gage 0" Datum: 588.02'

Observations courtesy of US Geological Survey

CANEY RIVER NEAR COLLINSVILLE

Universal Time (UTC)

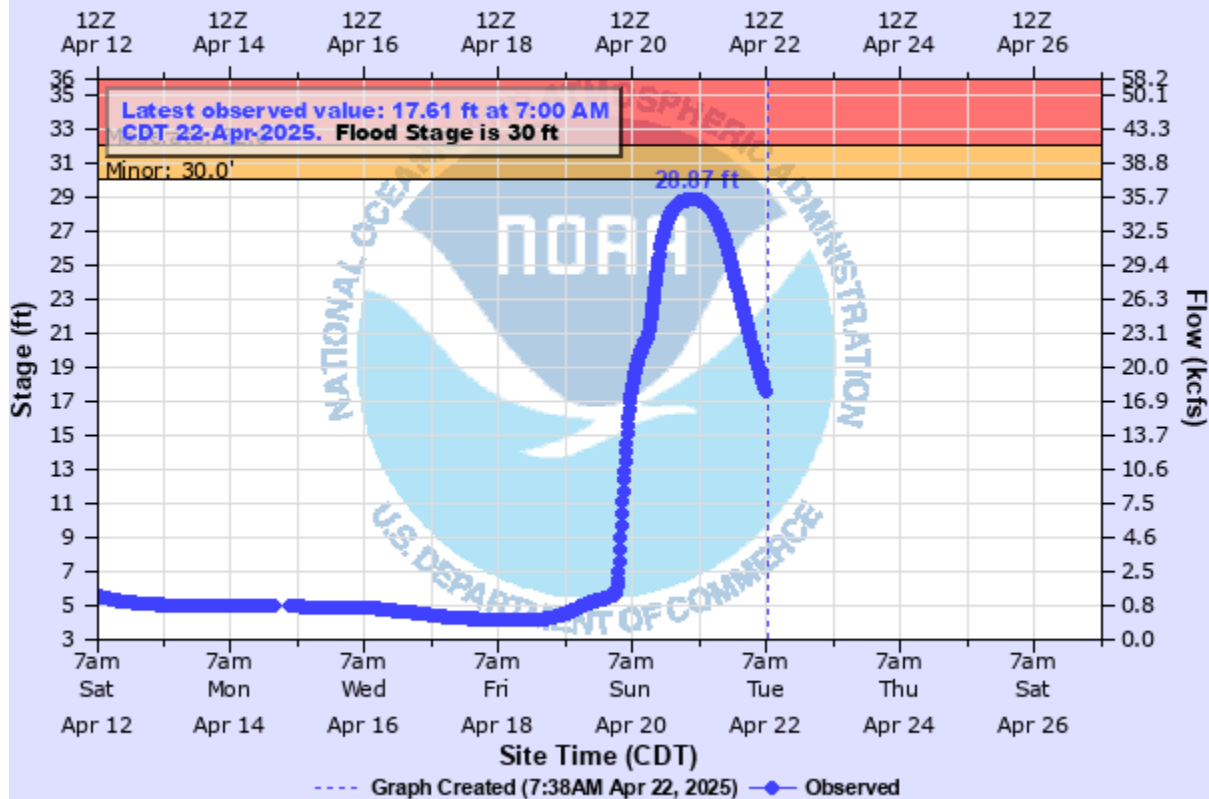


CVLO2(plotting HGIRG) "Gage 0" Datum: 565.72'

Observations courtesy of U.S. Geological Survey

VERDIGRIS RIVER NEAR LENAPAH

Universal Time (UTC)

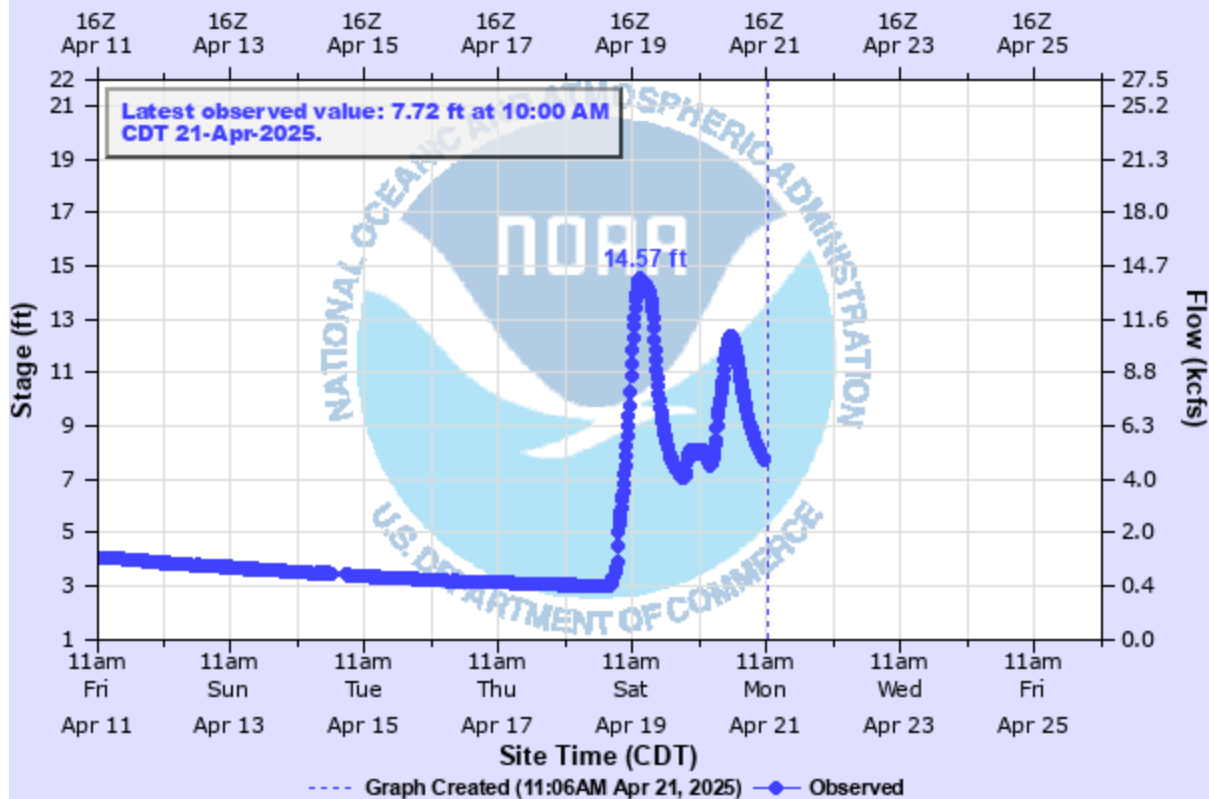


LEPO2(plotting HGIRG) "Gage 0" Datum: 645.38'

Observations courtesy of US Geological Survey

WHITE RIVER NEAR FAYETTEVILLE

Universal Time (UTC)

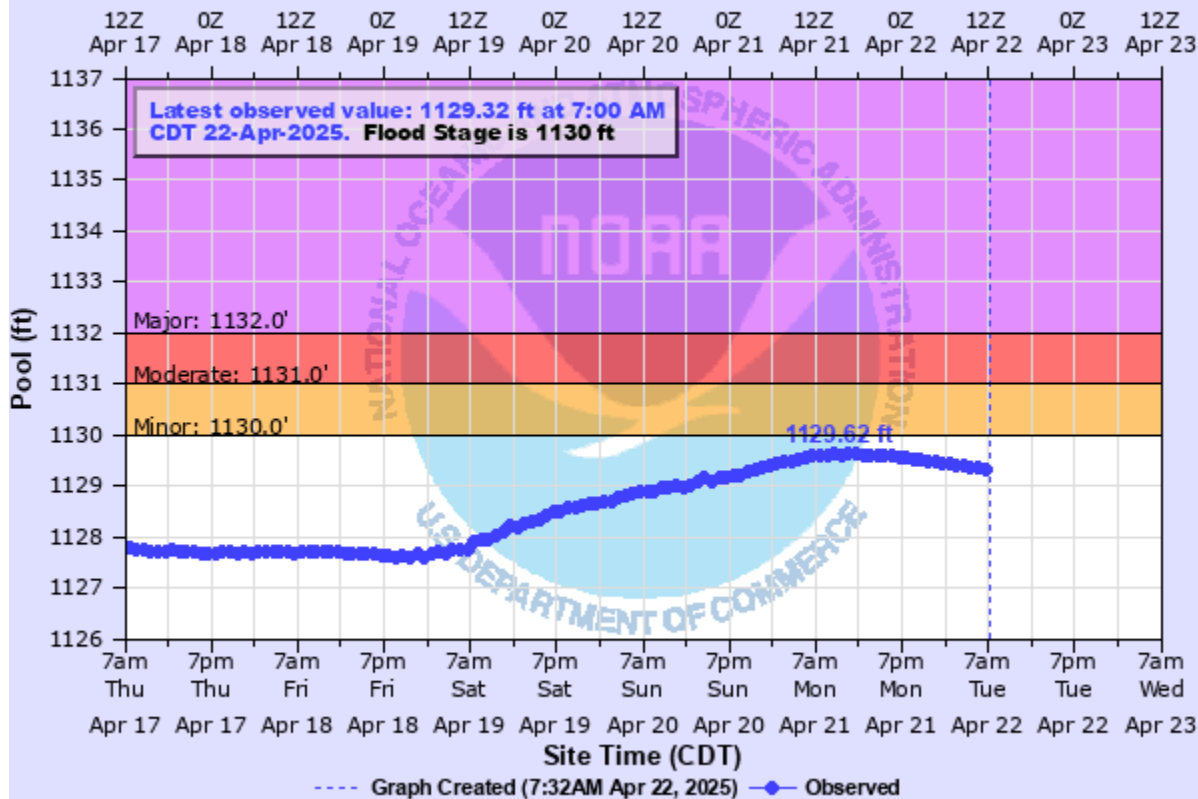


FYGA4(plotting HGIRG) "Gage 0" Datum: 1138.6'

Observations courtesy of US Geological Survey

NORTHWEST ARKANSAS LAKES AT BEAVER LAKE

Universal Time (UTC)

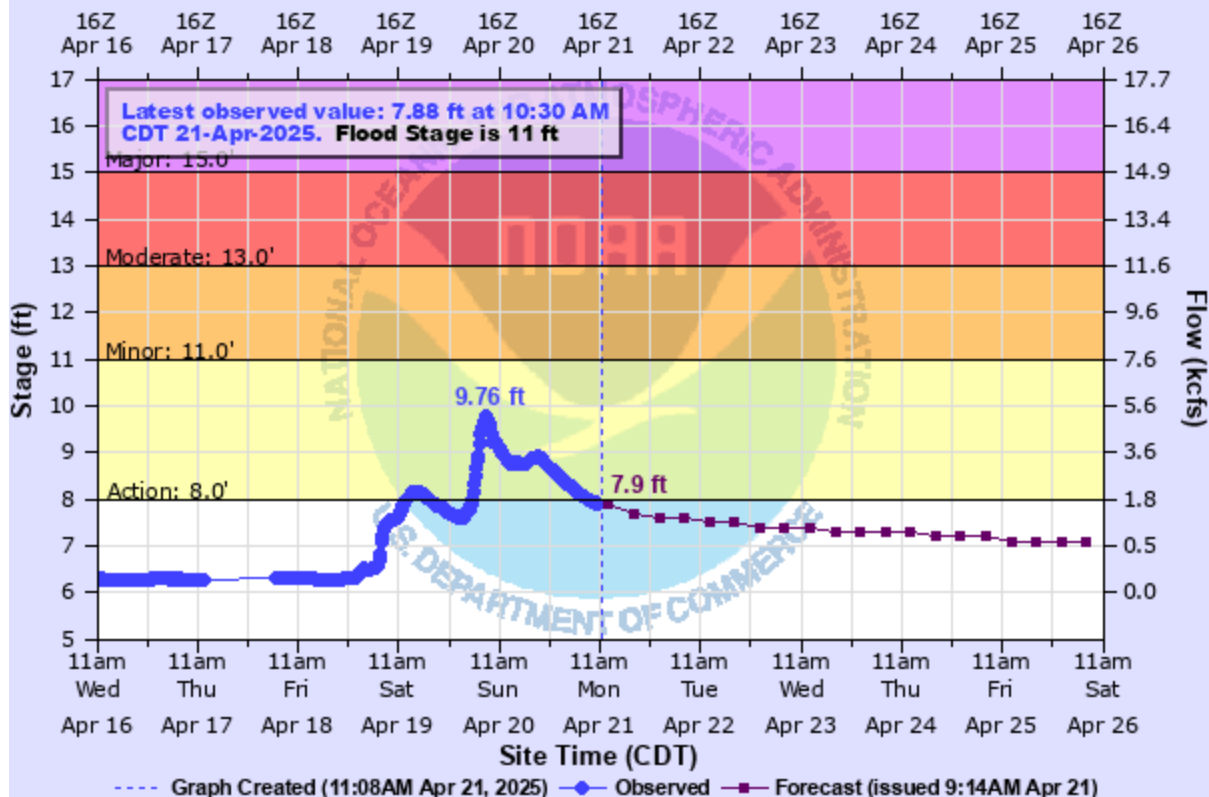


BVGA4(plotting HPIRG) "Gage 0" Datum: n/a

Observations courtesy of US Army Corps of Engineers

FLINT CREEK (OK) NEAR KANSAS

Universal Time (UTC)

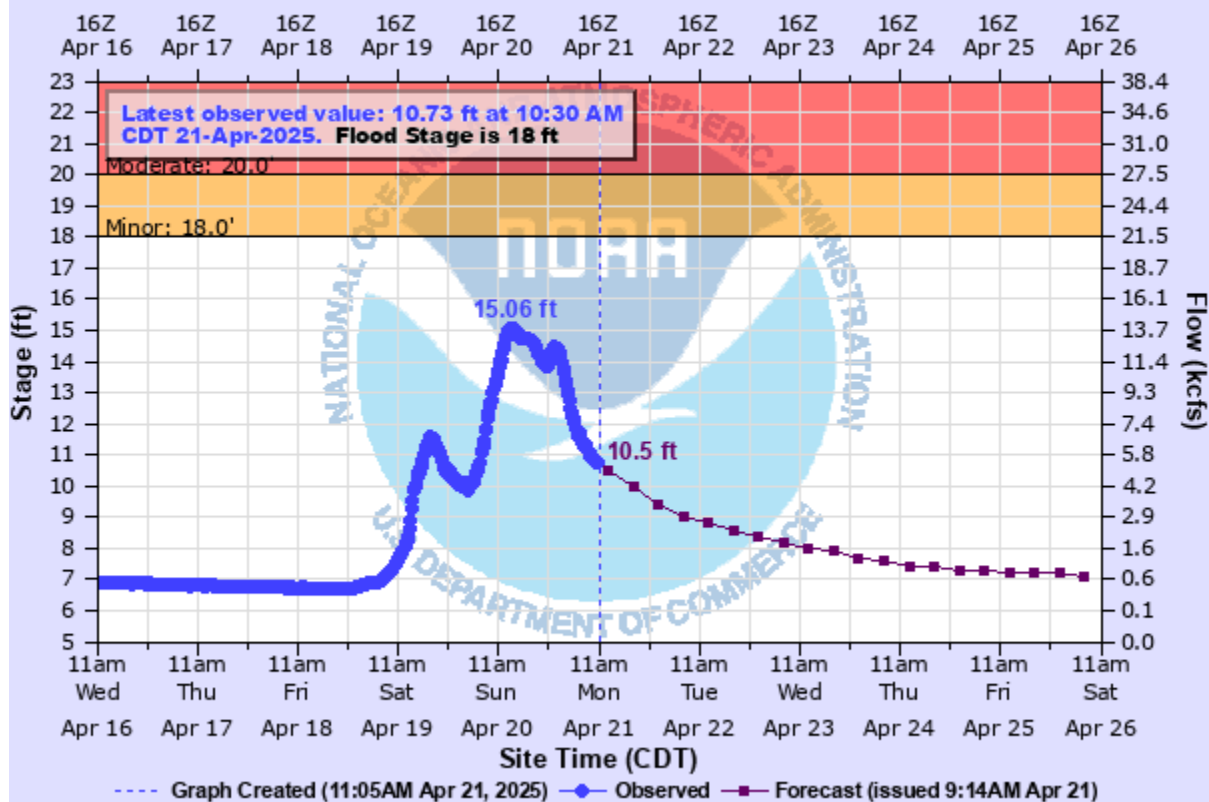


KNSO2(plotting HGIRG) "Gage 0" Datum: 854.98'

Observations courtesy of US Geological Survey

BARON FORK AT ELDON

Universal Time (UTC)

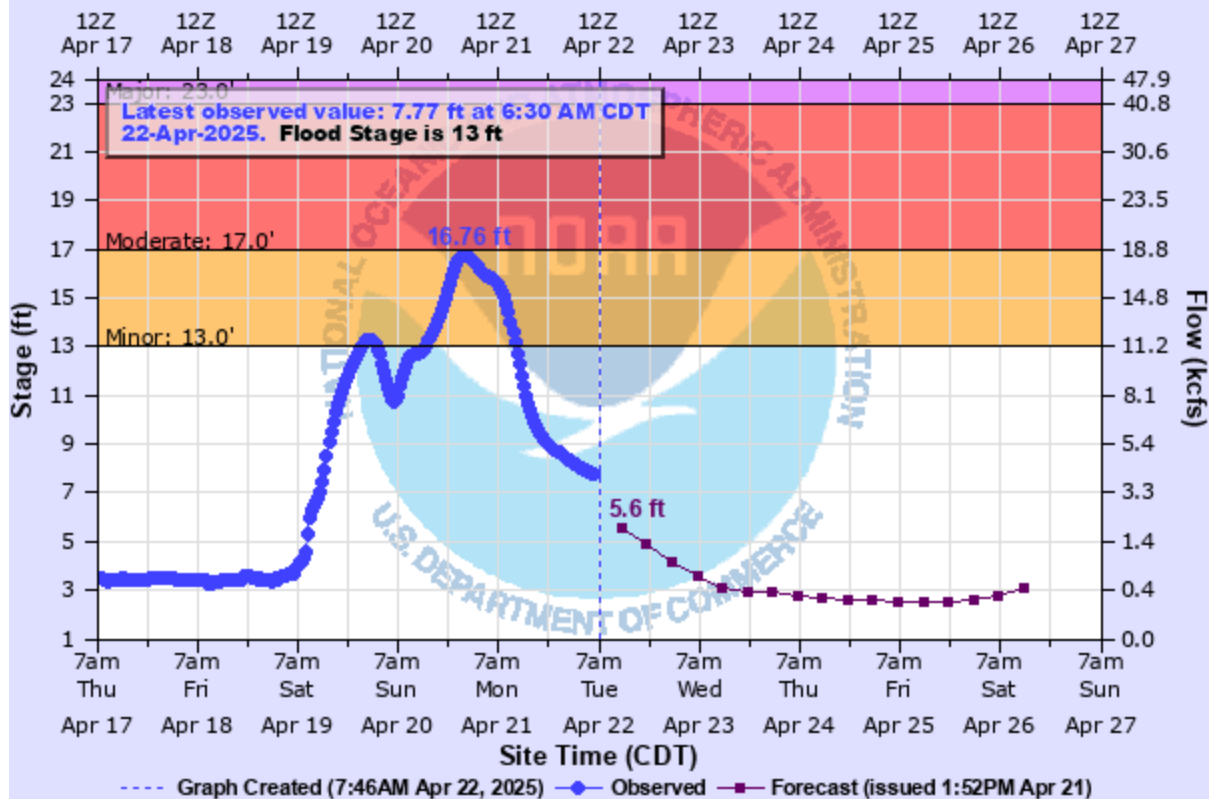


ELDO2(plotting HGIRG) "Gage 0" Datum: 701.33'

Observations courtesy of US Geological Survey

ILLINOIS RIVER (AR OK) NEAR WATTS

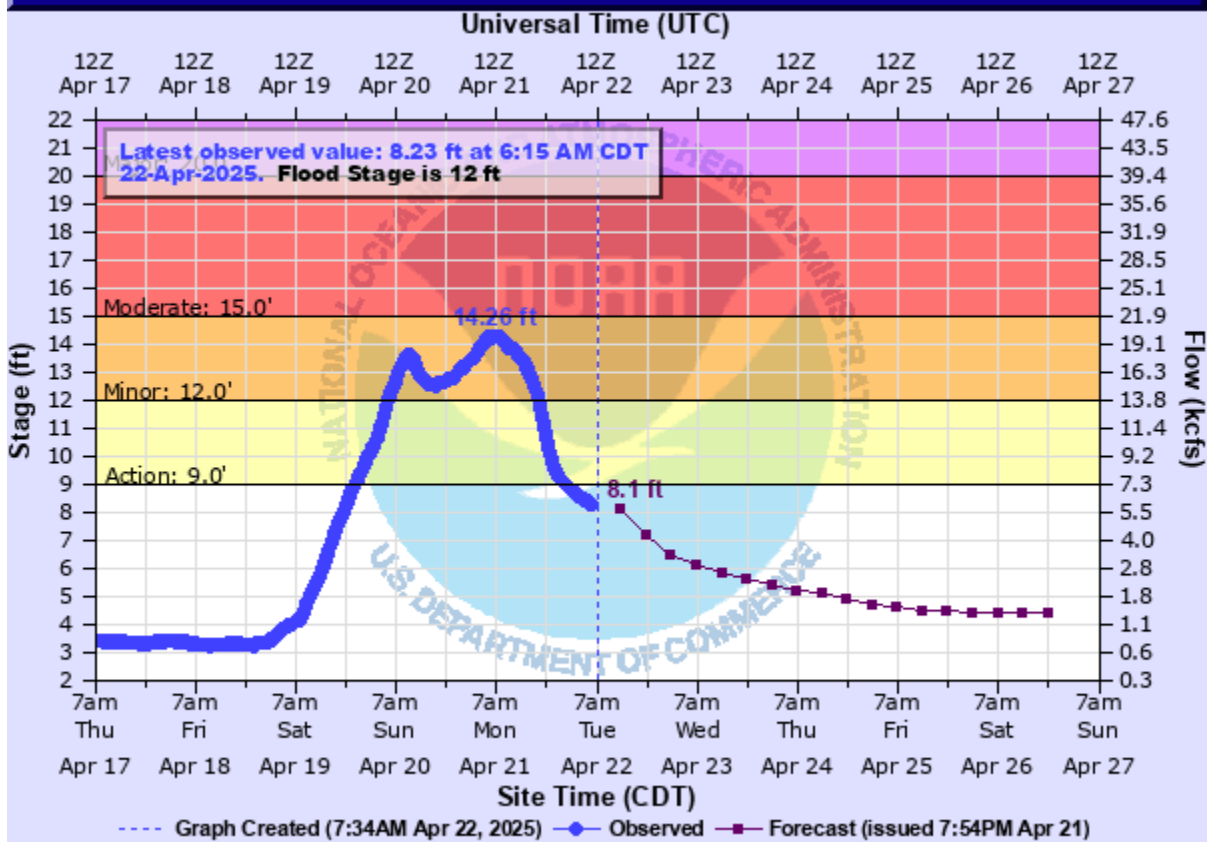
Universal Time (UTC)



WTTO2(plotting HGIRG) "Gage 0" Datum: 894.01'

Observations courtesy of US Geological Survey

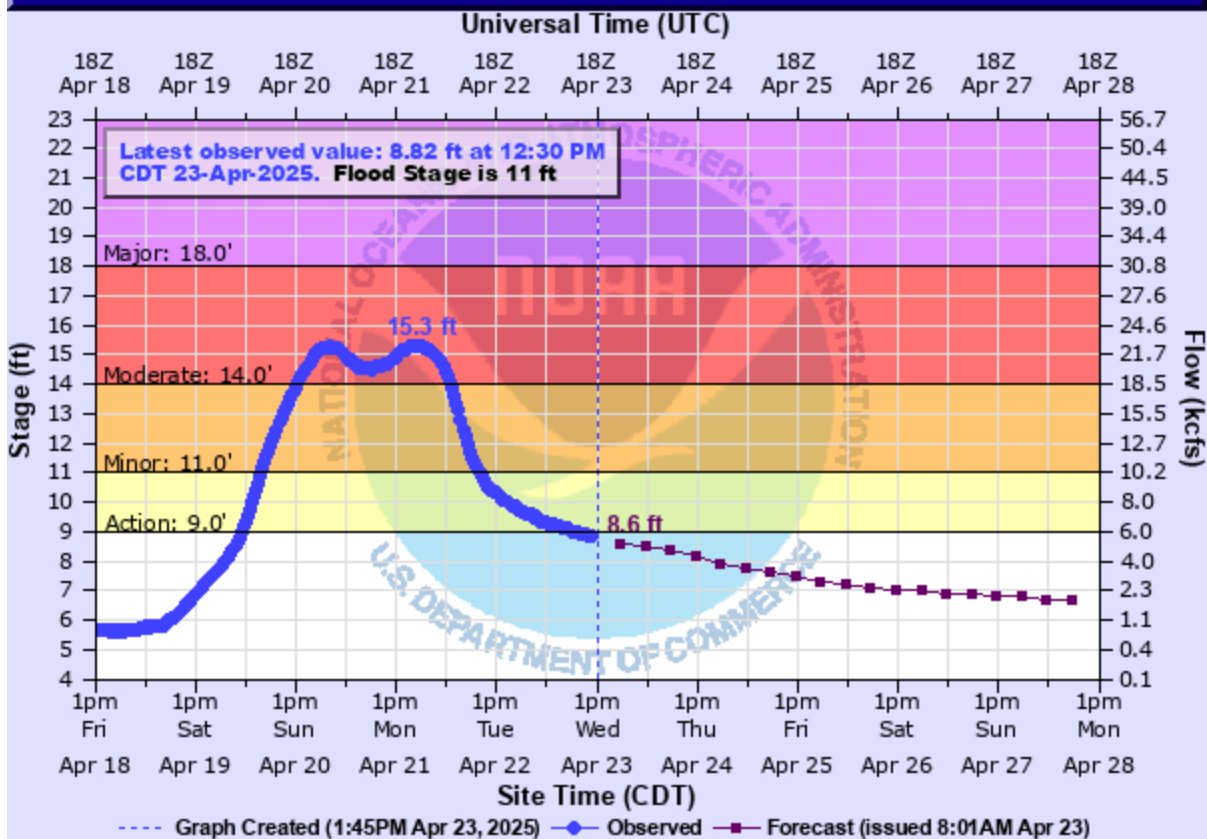
ILLINOIS RIVER (AR OK) AT CHEWEY



CWYO2(plotting HGIRG) "Gage 0" Datum: 800.91'

Observations courtesy of US Geological Survey

ILLINOIS RIVER (AR OK) NEAR TAHLEQUAH

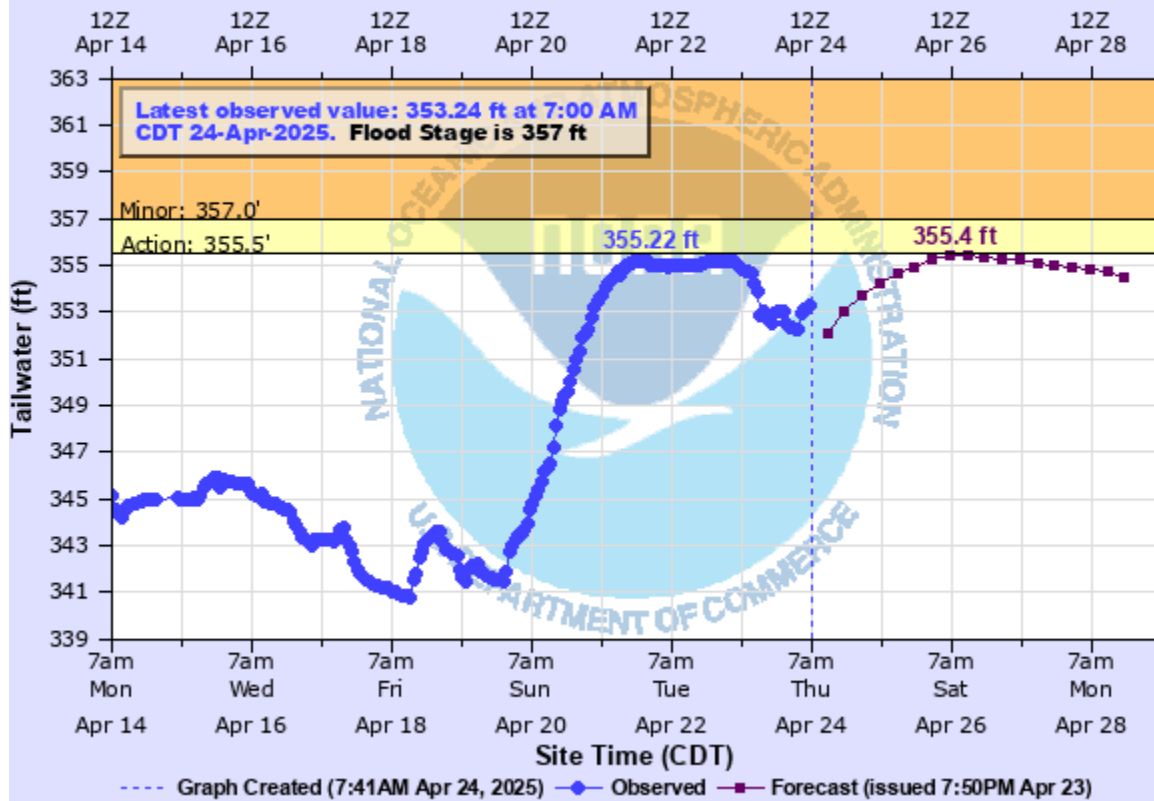


TALO2(plotting HGIRG) "Gage 0" Datum: 665.08'

Observations courtesy of US Geological Survey

ARKANSAS RIVER AT OZARK L/D TAILWATER

Universal Time (UTC)

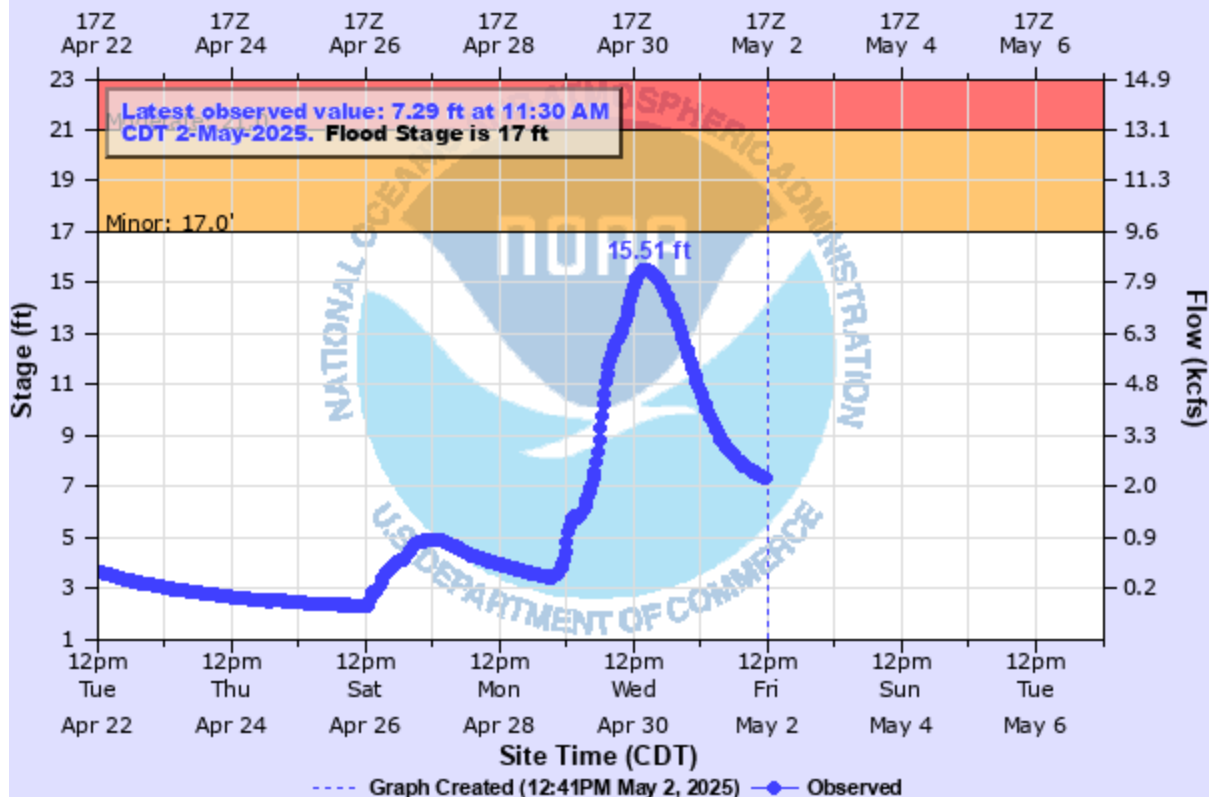


OZGA4(plotting HTIRG) "Gage 0" Datum: 0'

Observations courtesy of US Army Corps of Engineers - LRD

BLACK BEAR CREEK AT PAWNEE

Universal Time (UTC)

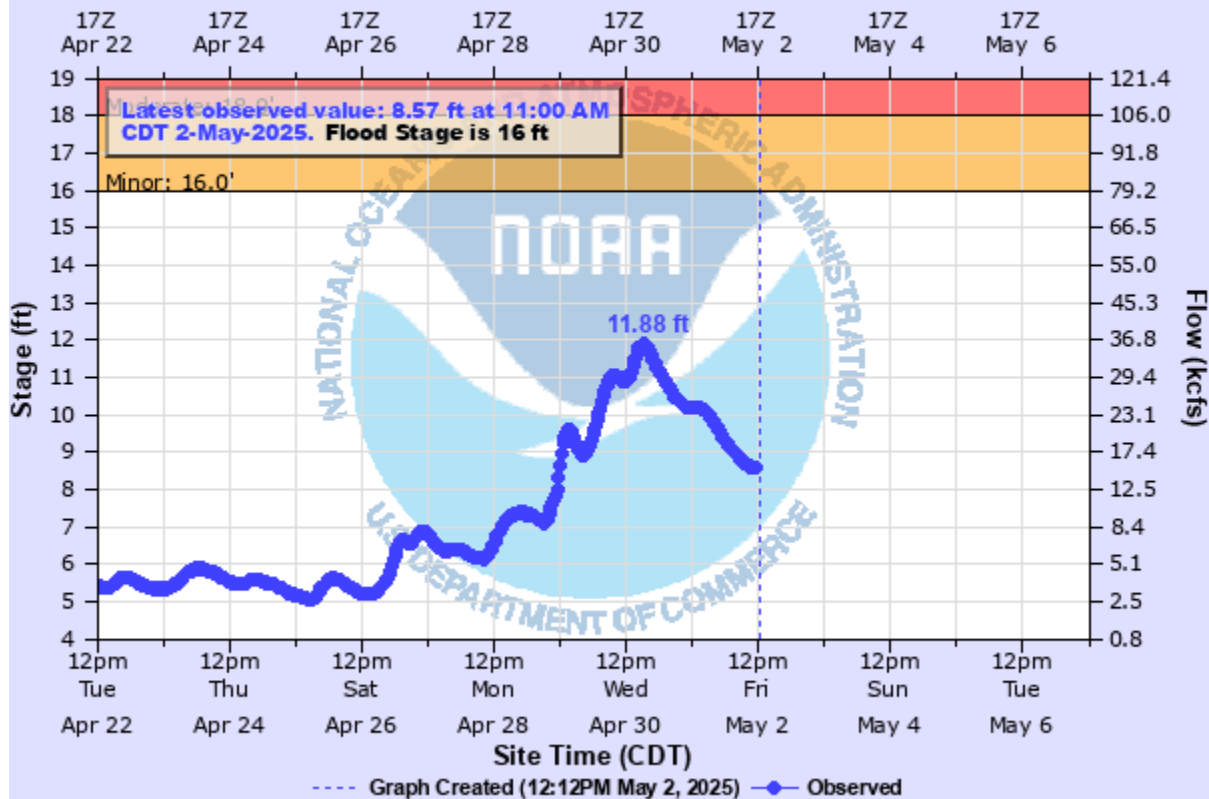


PAWO2(plotting HGIRG) "Gage 0" Datum: 803.29'

Observations courtesy of US Geological Survey

ARKANSAS RIVER AT RALSTON

Universal Time (UTC)

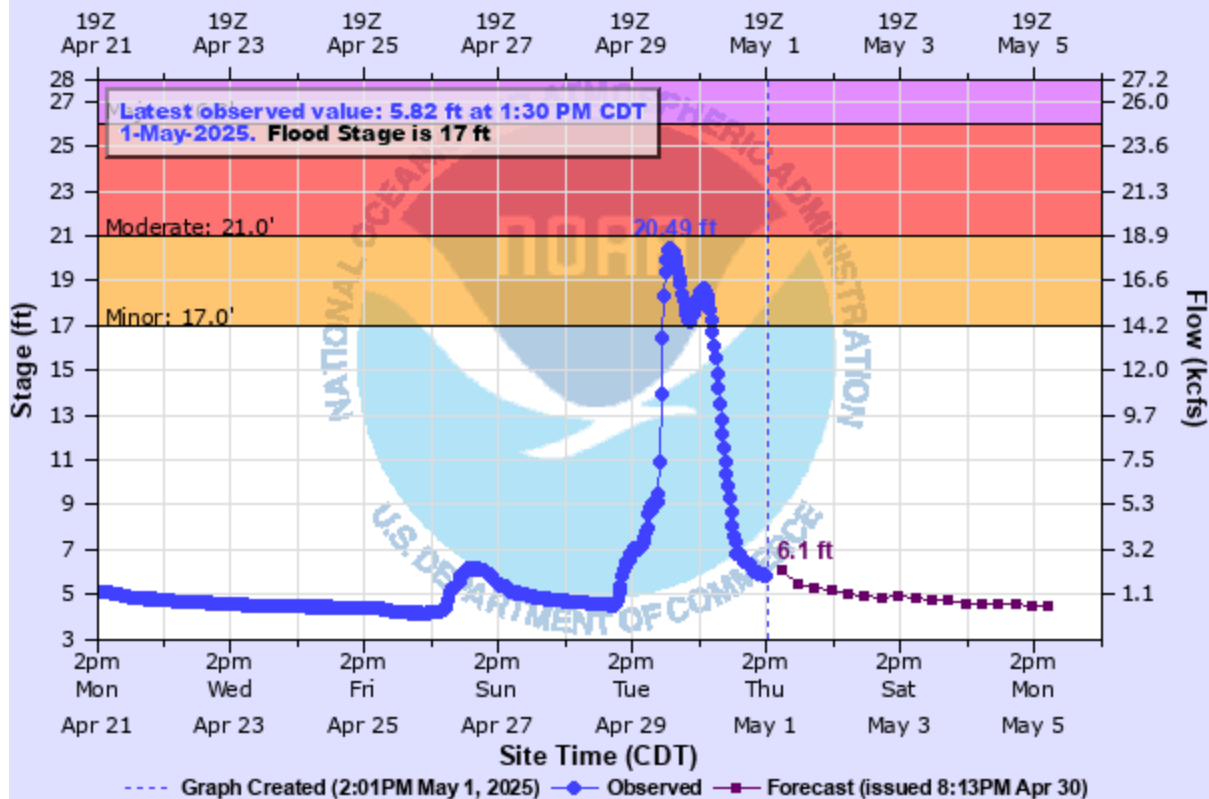


RLS02(plotting HGIRG) "Gage 0" Datum: 777.33'

Observations courtesy of US Geological Survey

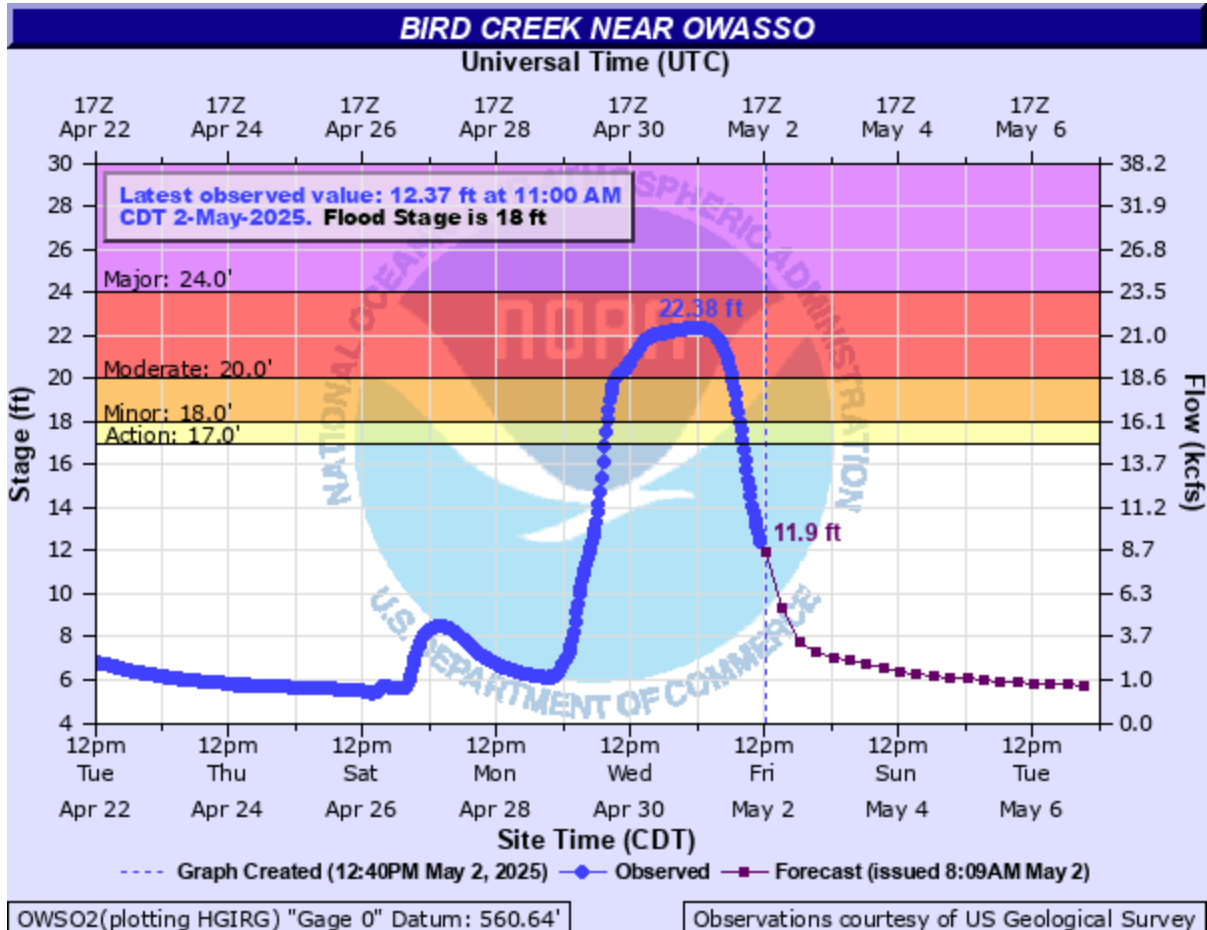
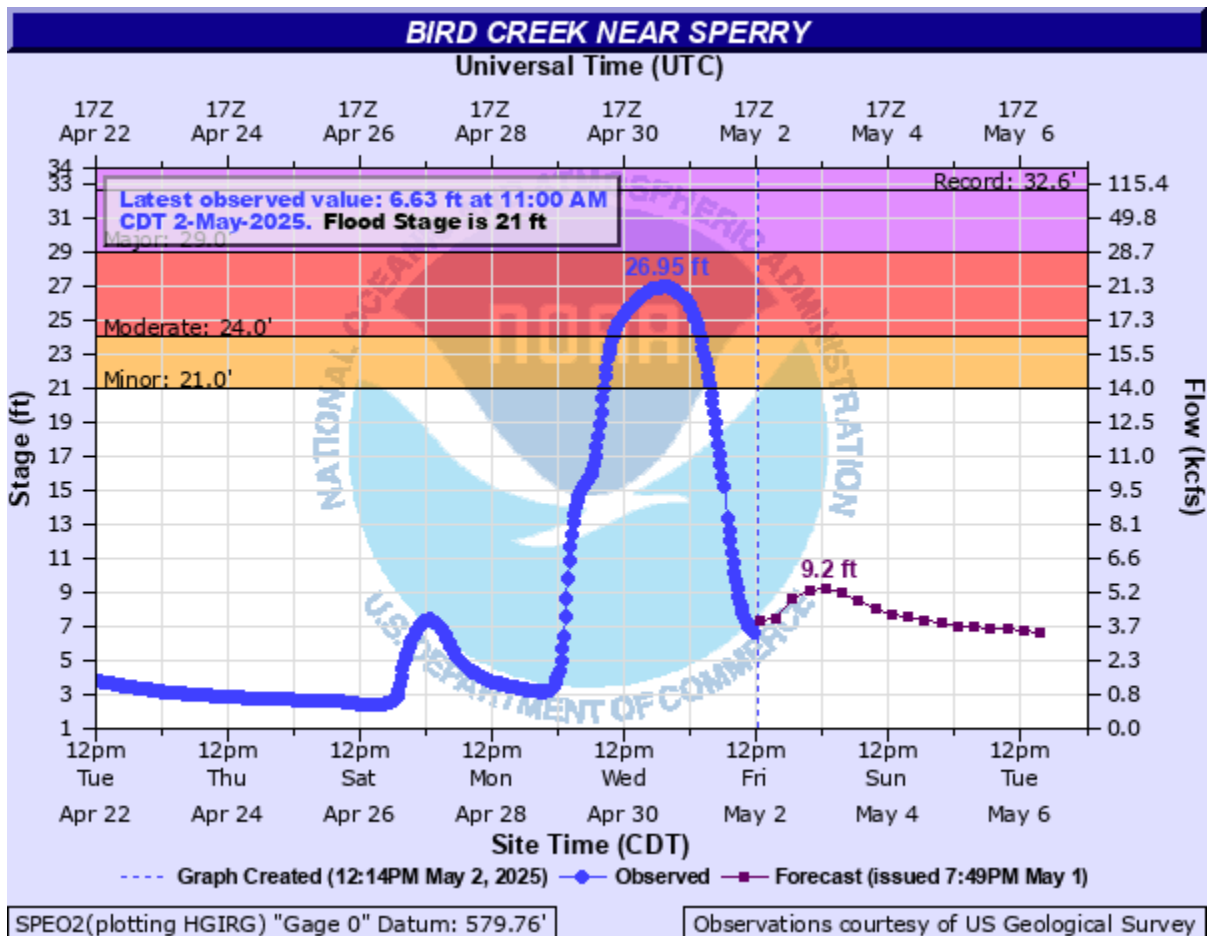
BIRD CREEK AT AVANT

Universal Time (UTC)



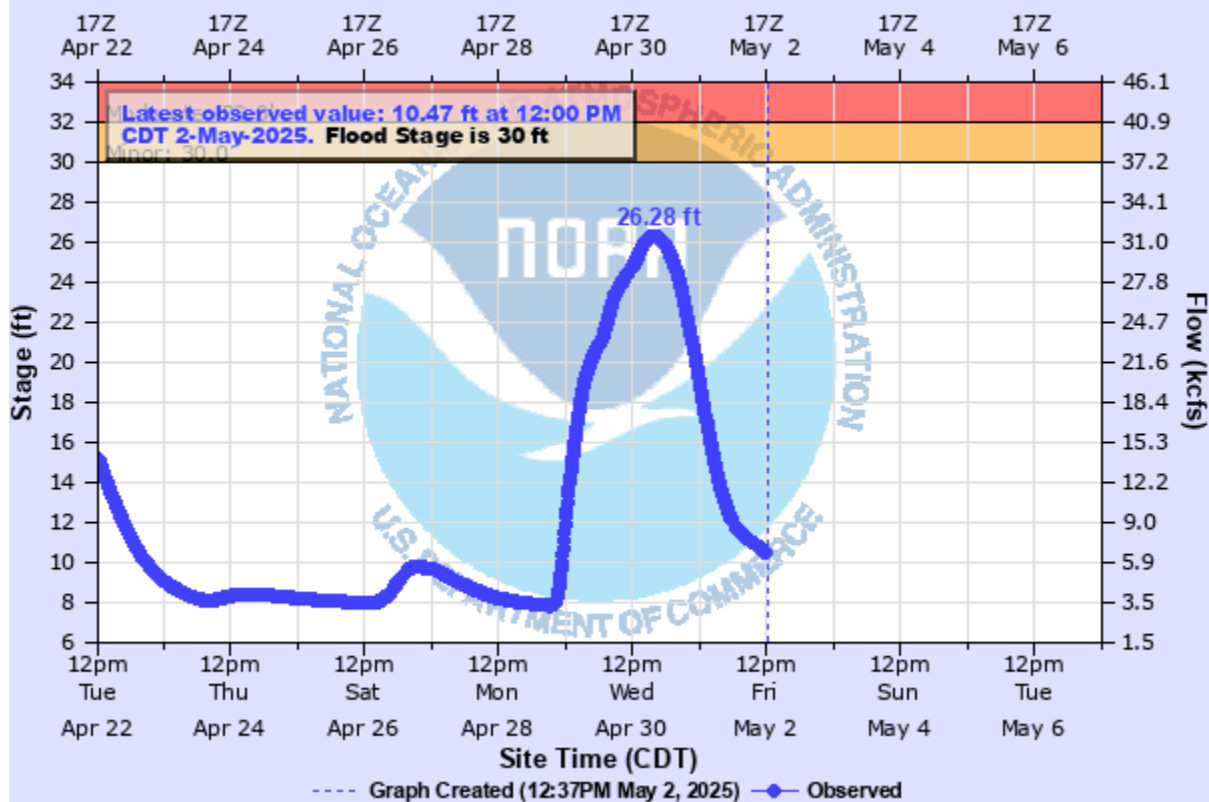
AVT02(plotting HGIRG) "Gage 0" Datum: 646.39'

Observations courtesy of US Geological Survey



VERDIGRIS RIVER NEAR LENAPAH

Universal Time (UTC)

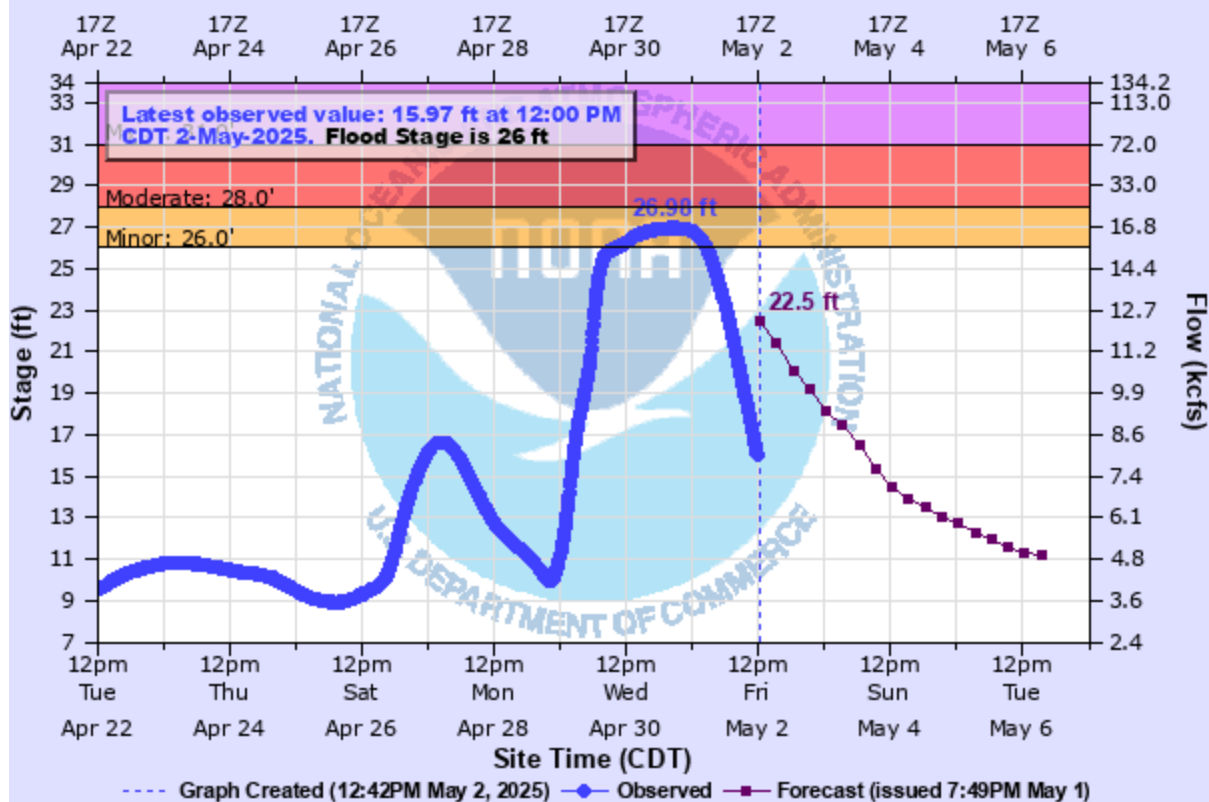


LEPO2(plotting HGIRG) "Gage 0" Datum: 645.38'

Observations courtesy of US Geological Survey

CANEY RIVER NEAR RAMONA

Universal Time (UTC)

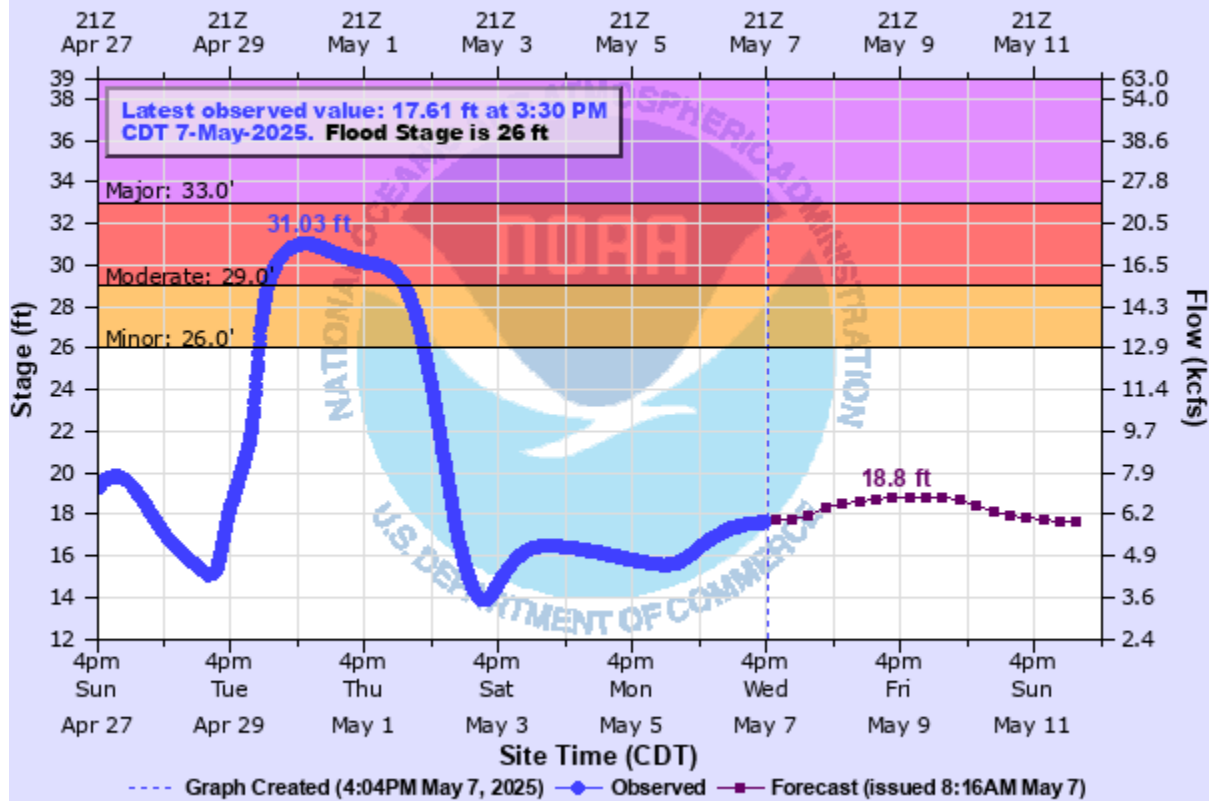


RAMO2(plotting HGIRG) "Gage 0" Datum: 588.02'

Observations courtesy of US Geological Survey

CANEY RIVER NEAR COLLINSVILLE

Universal Time (UTC)

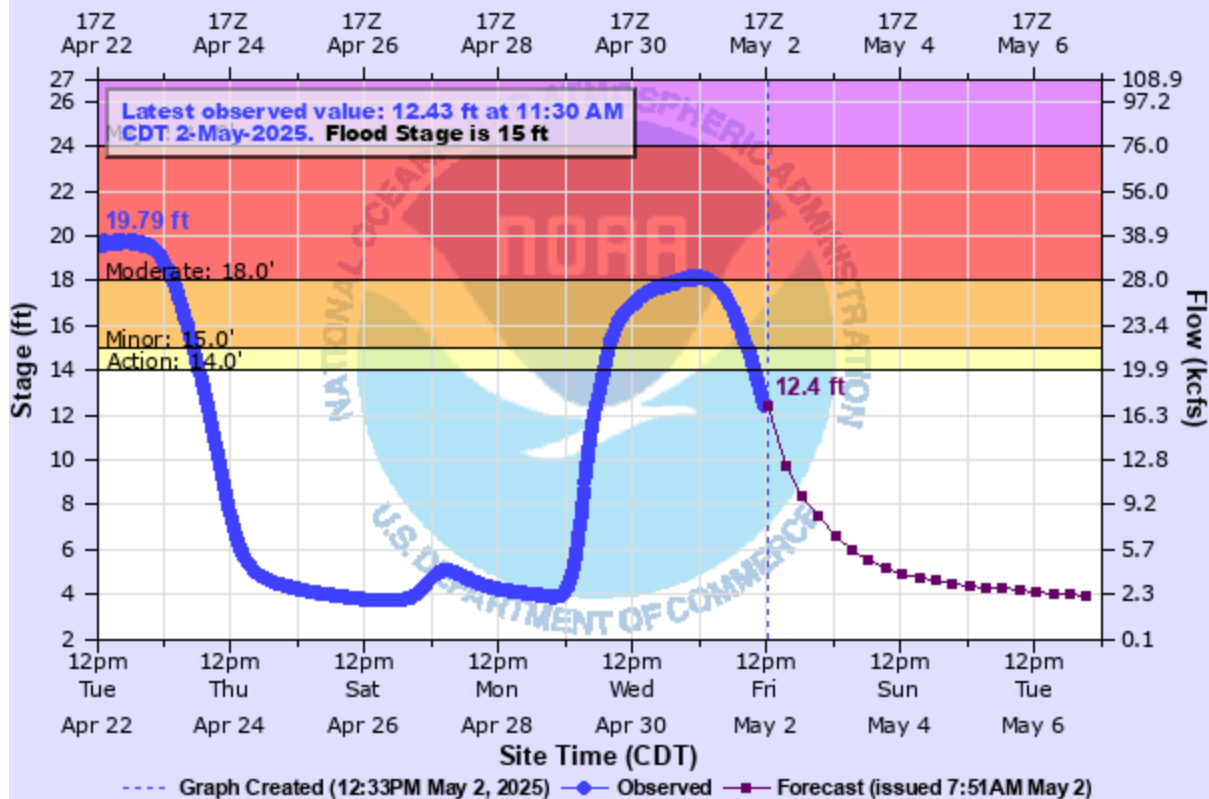


CVL02(plotting HGIRG) "Gage 0" Datum: 565.72'

Observations courtesy of U.S. Geological Survey

NEOSHO RIVER NEAR COMMERCE

Universal Time (UTC)

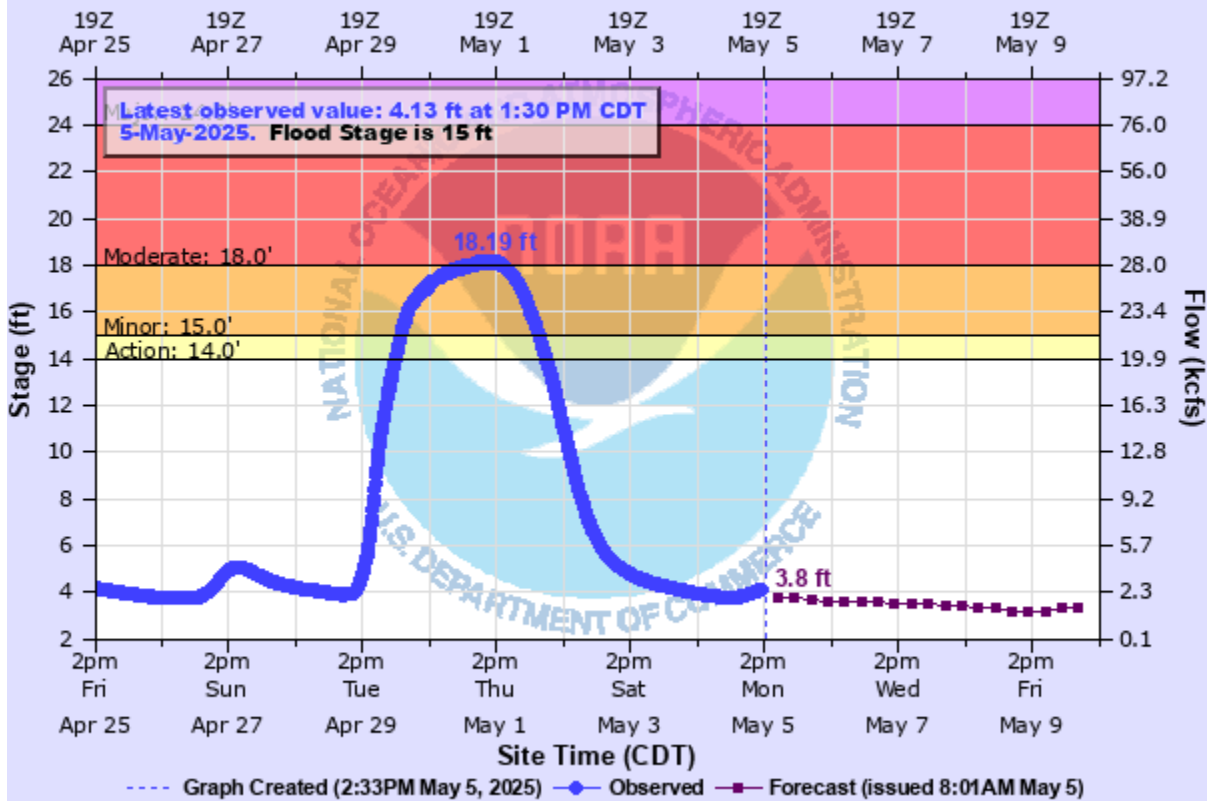


COMO2(plotting HGIRG) "Gage 0" Datum: 749.1'

Observations courtesy of US Geological Survey

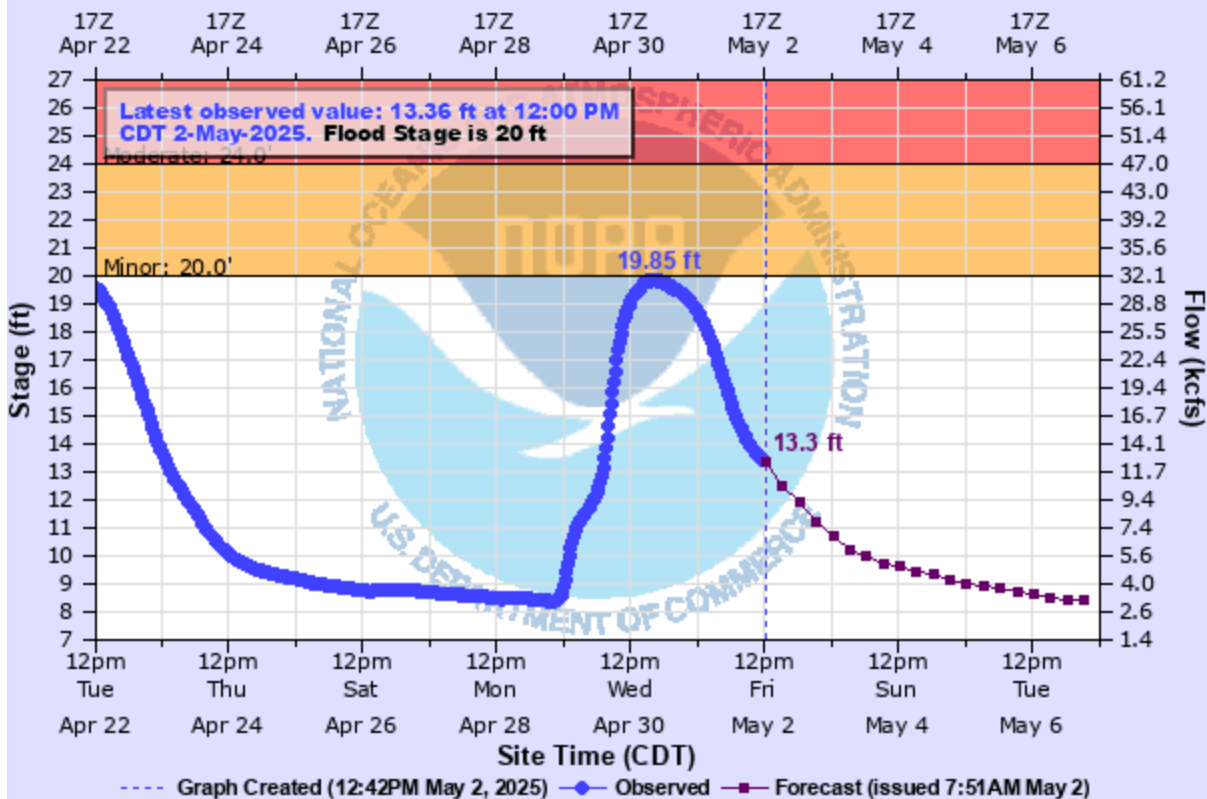
NEOSHO RIVER NEAR COMMERCE

Universal Time (UTC)

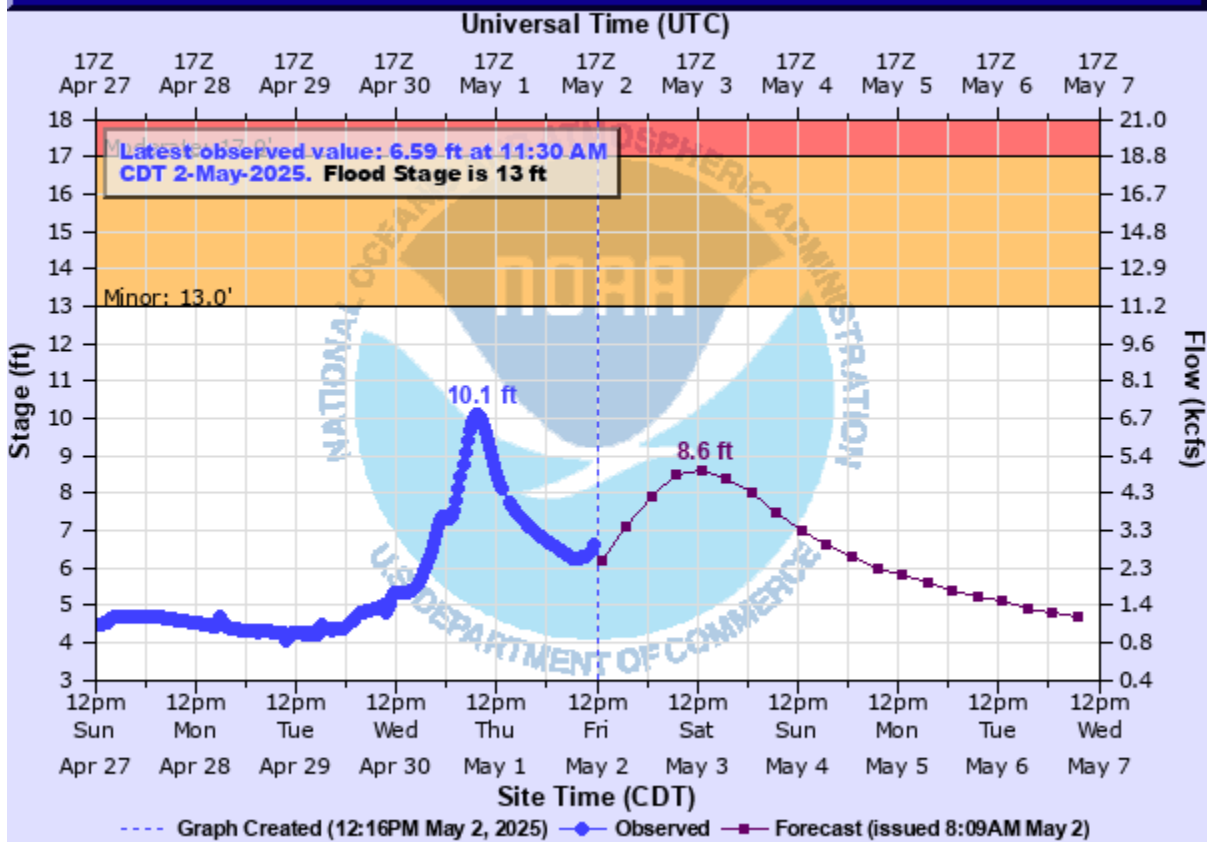


SPRING RIVER NEAR QUAPAW

Universal Time (UTC)



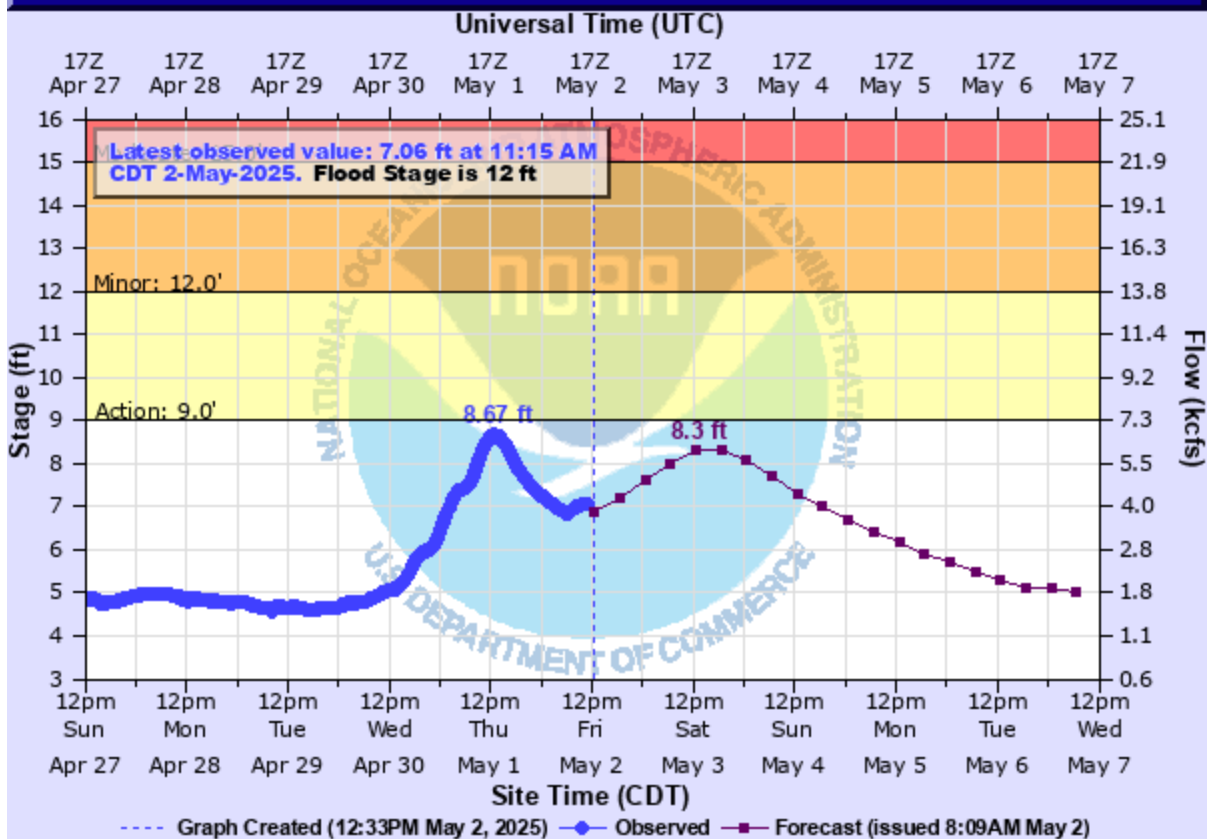
ILLINOIS RIVER (AR OK) NEAR WATTS



WT02(plotting HGIRG) "Gage 0" Datum: 894.01'

Observations courtesy of US Geological Survey

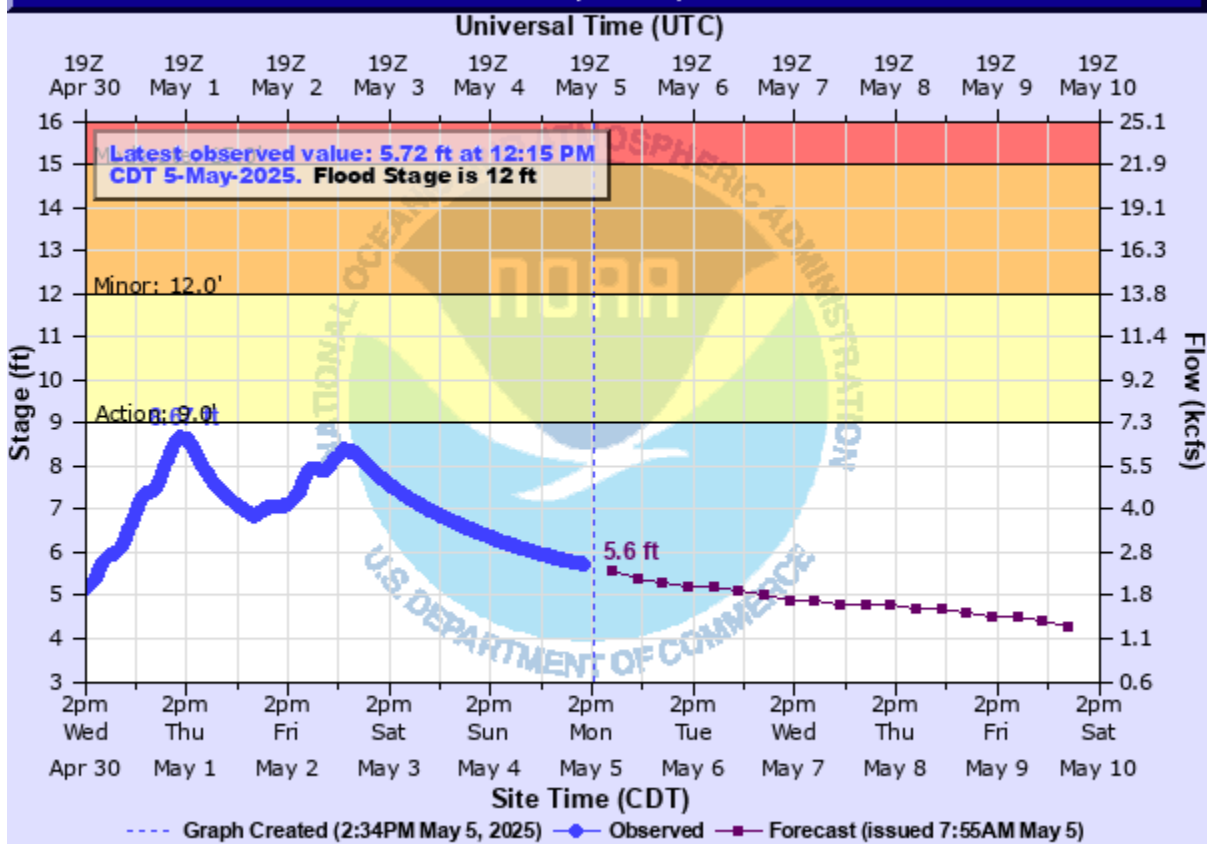
ILLINOIS RIVER (AR OK) AT CHEWEY



CWY02(plotting HGIRG) "Gage 0" Datum: 800.91'

Observations courtesy of US Geological Survey

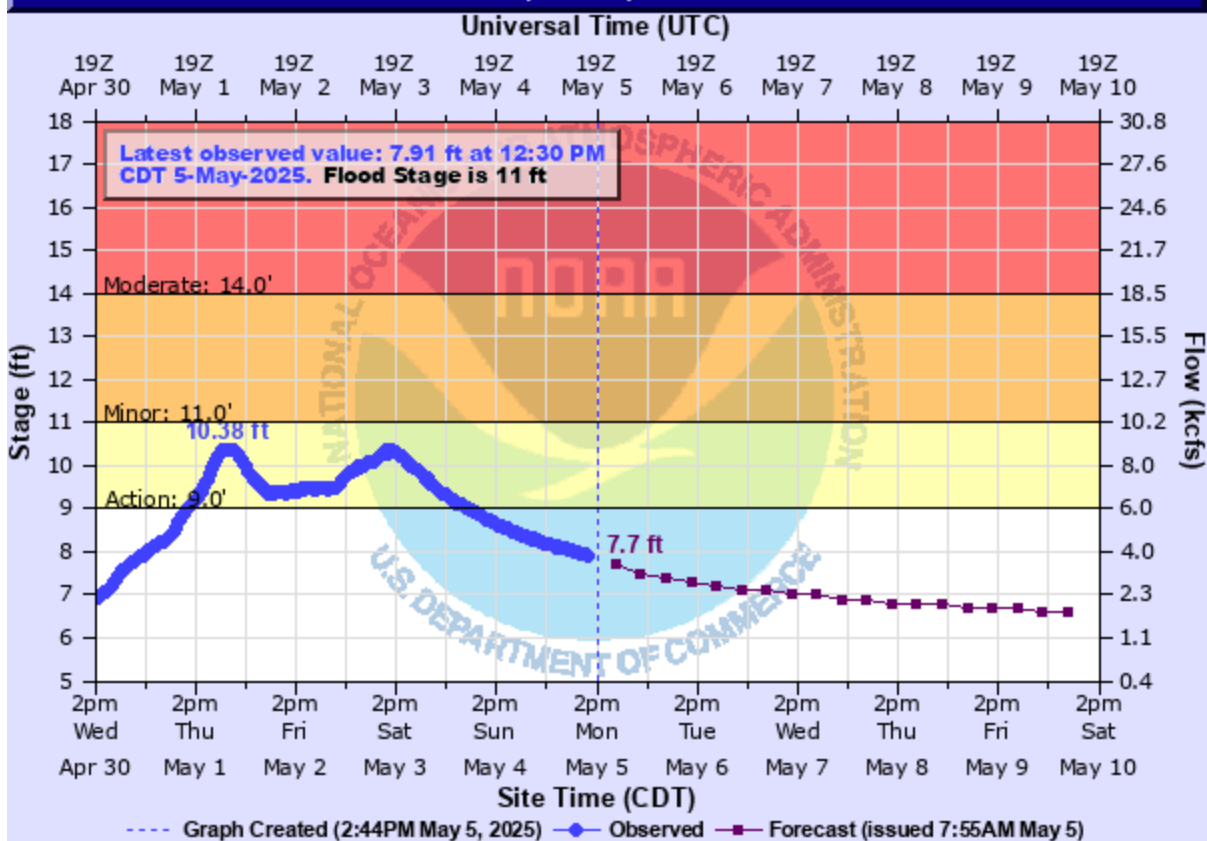
ILLINOIS RIVER (AR OK) AT CHEWEY



CWYO2(plotting HGIRG) "Gage 0" Datum: 800.91'

Observations courtesy of US Geological Survey

ILLINOIS RIVER (AR OK) NEAR TAHLEQUAH

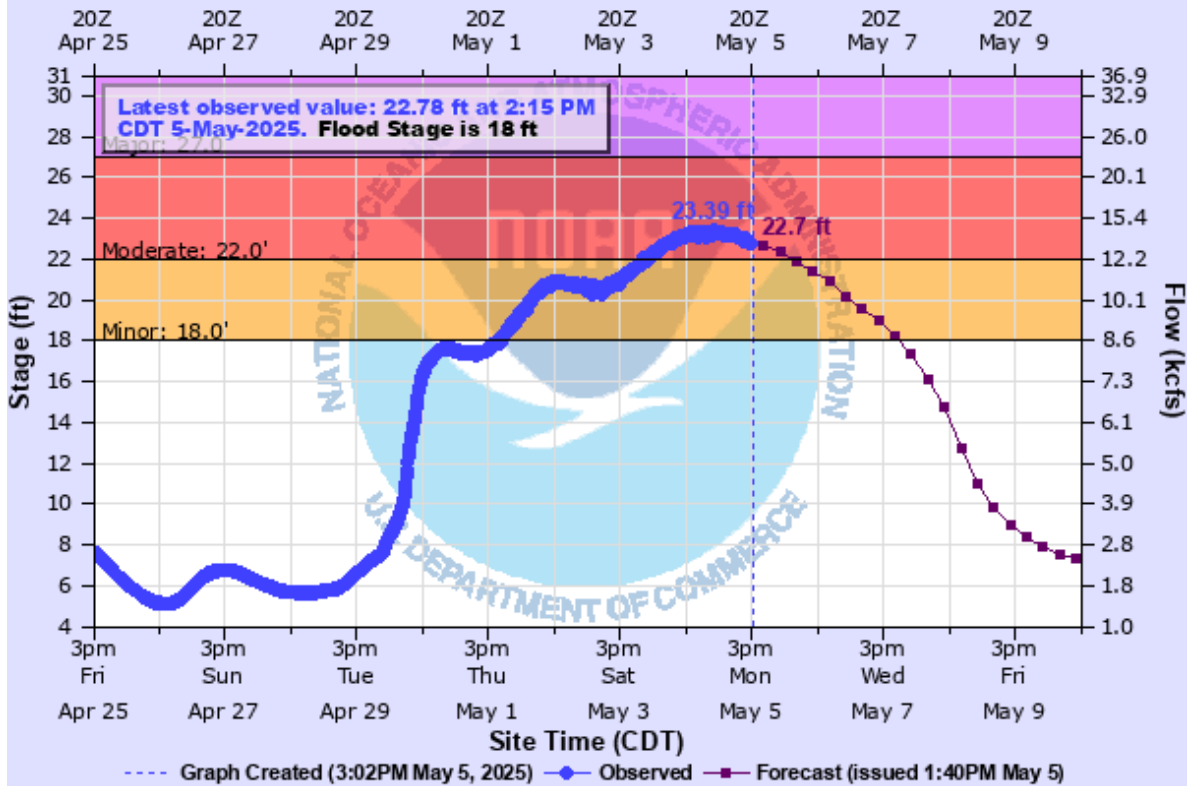


TALO2(plotting HGIRG) "Gage 0" Datum: 665.08'

Observations courtesy of US Geological Survey

DEEP FORK RIVER NEAR BEGGS

Universal Time (UTC)

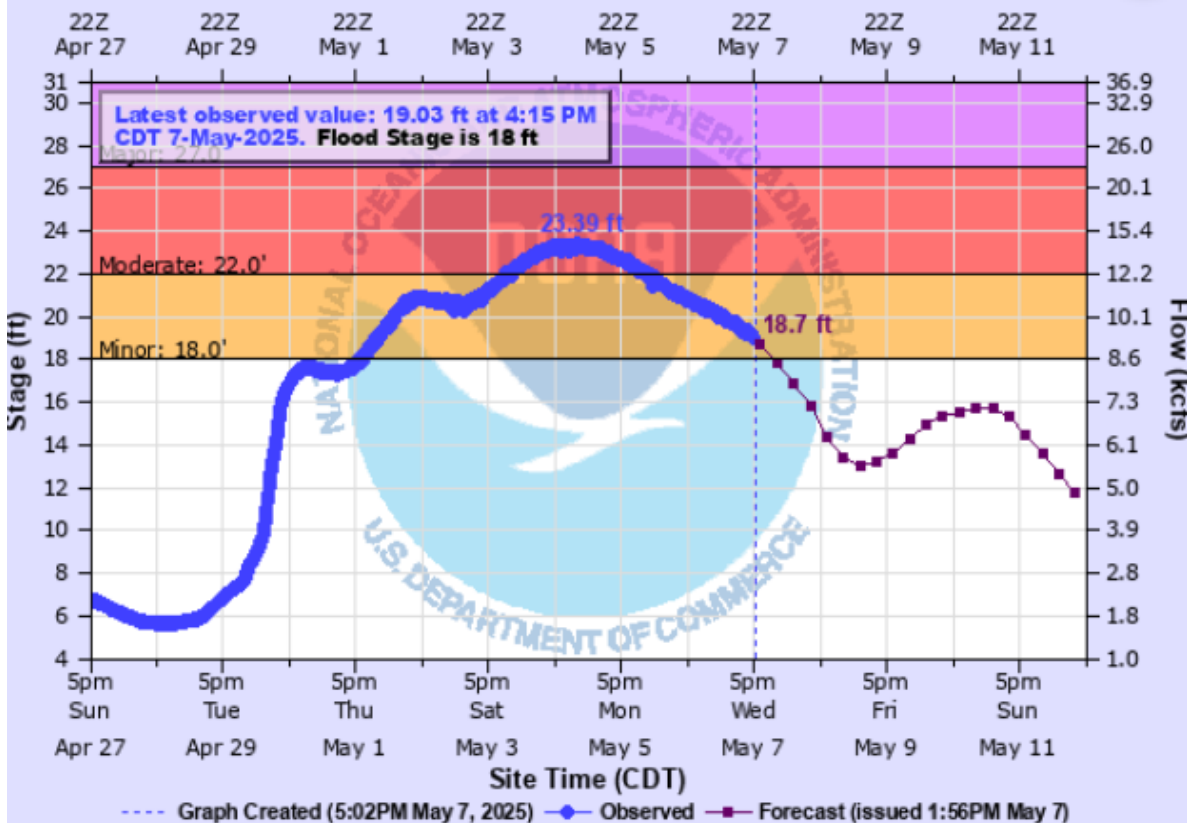


BGS02(plotting HGIRG) "Gage 0" Datum: 632.68'

Observations courtesy of US Geological Survey

DEEP FORK RIVER NEAR BEGGS

Universal Time (UTC)

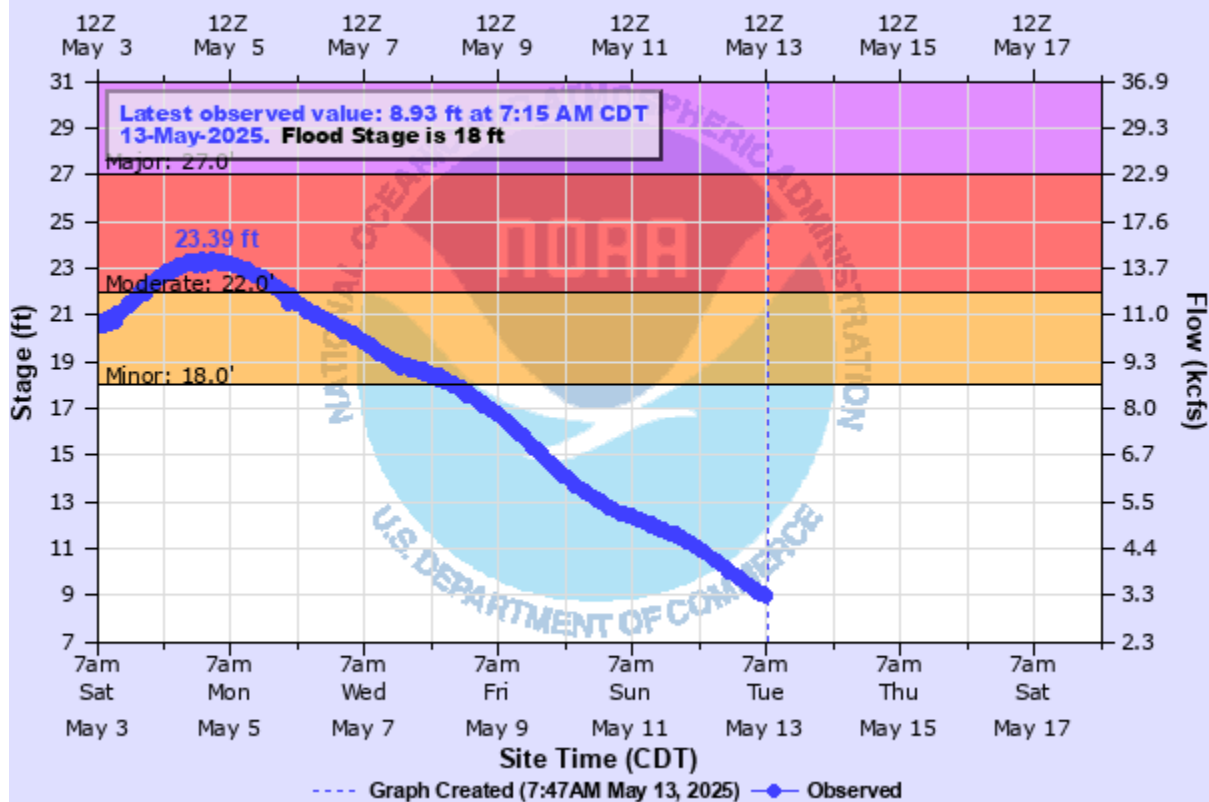


BGS02(plotting HGIRG) "Gage 0" Datum: 632.68'

Observations courtesy of US Geological Survey

DEEP FORK RIVER NEAR BEGGS

Universal Time (UTC)

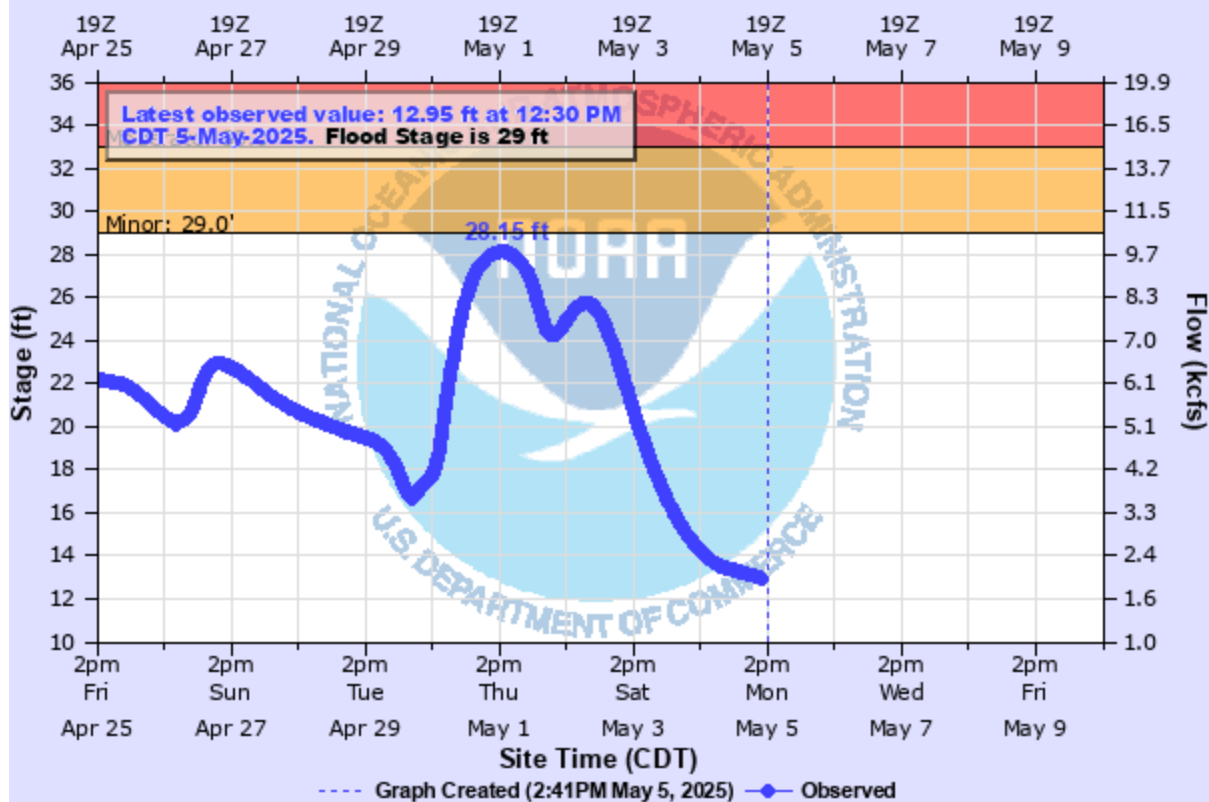


BGS02(plotting HGIRG) "Gage 0" Datum: 632.68'

Observations courtesy of US Geological Survey

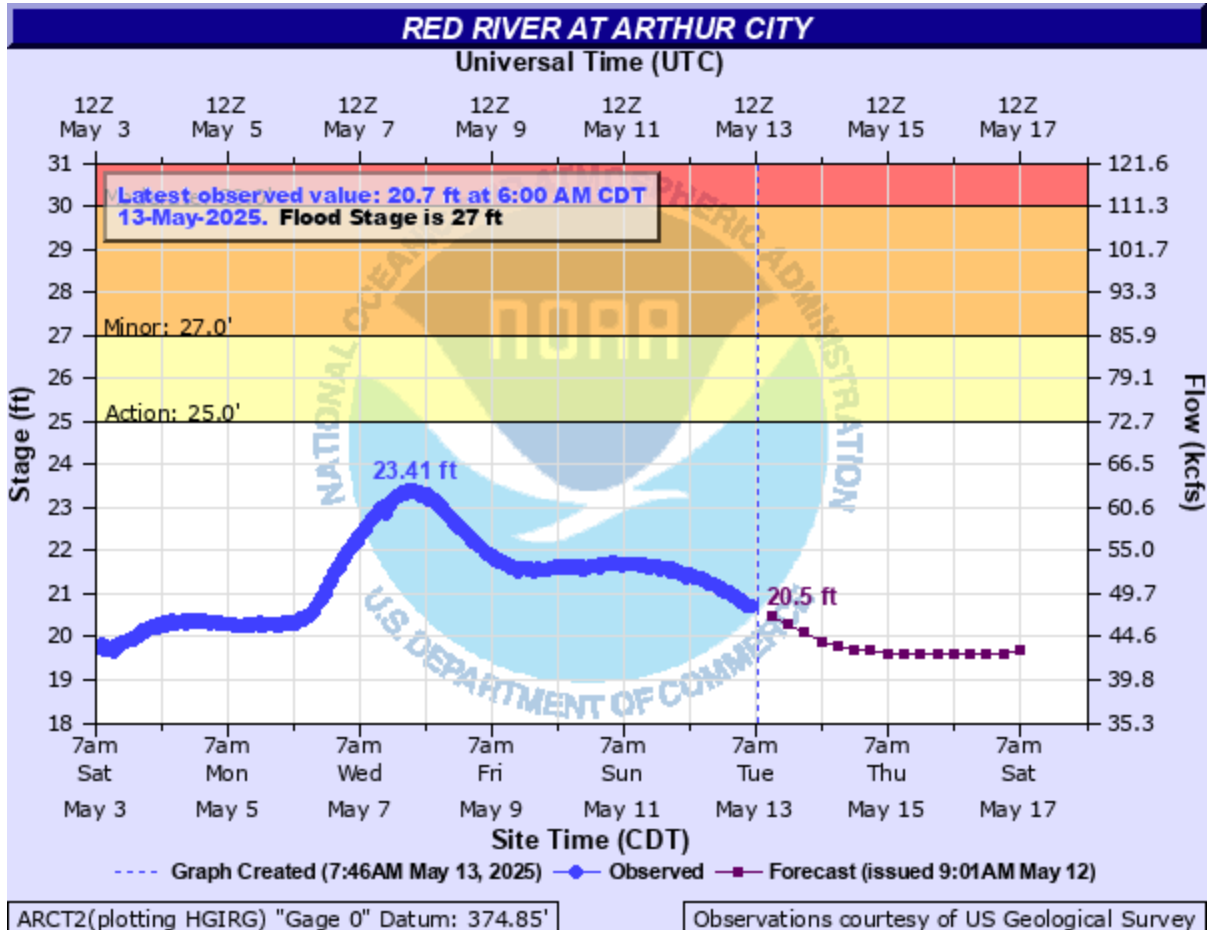
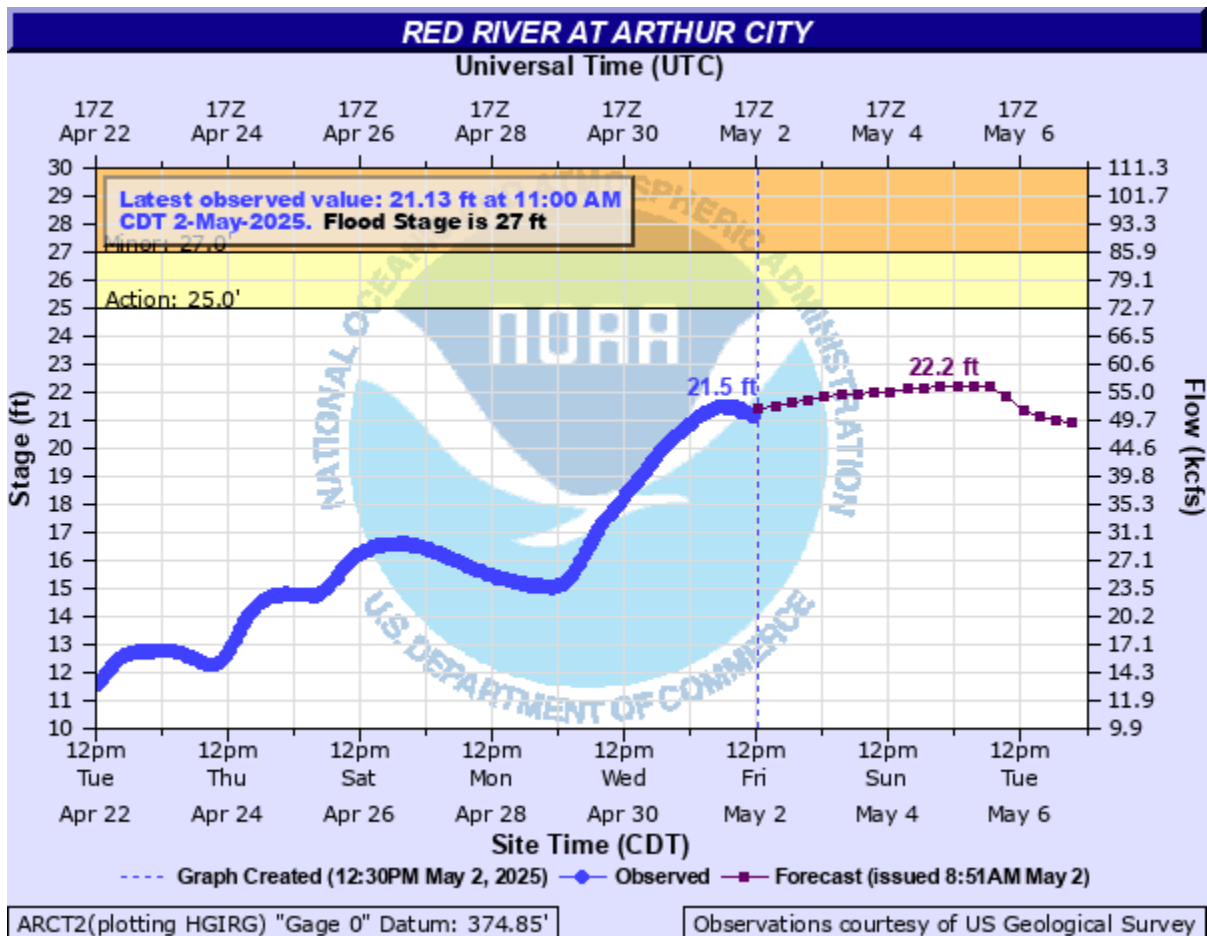
POTEAU RIVER NEAR PANAMA

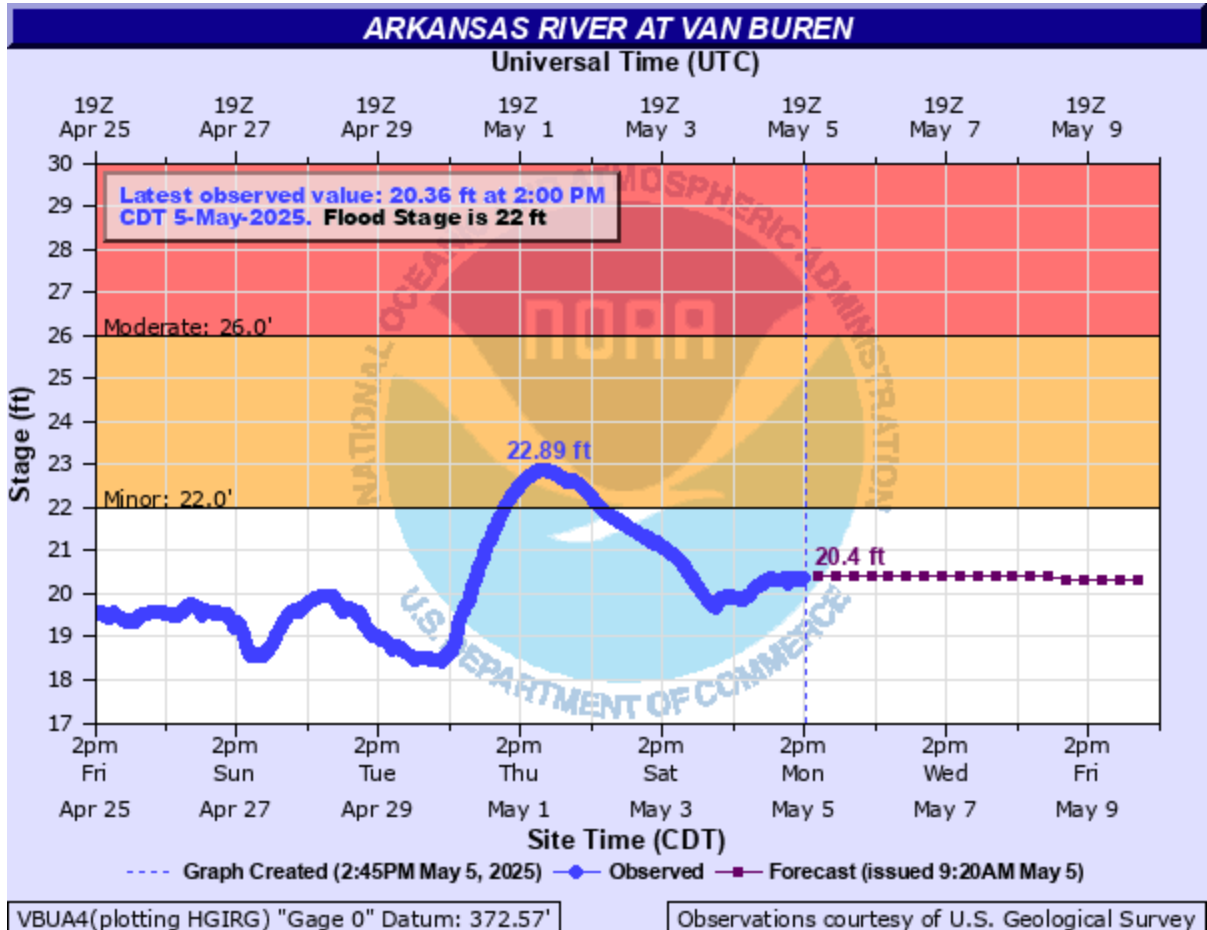
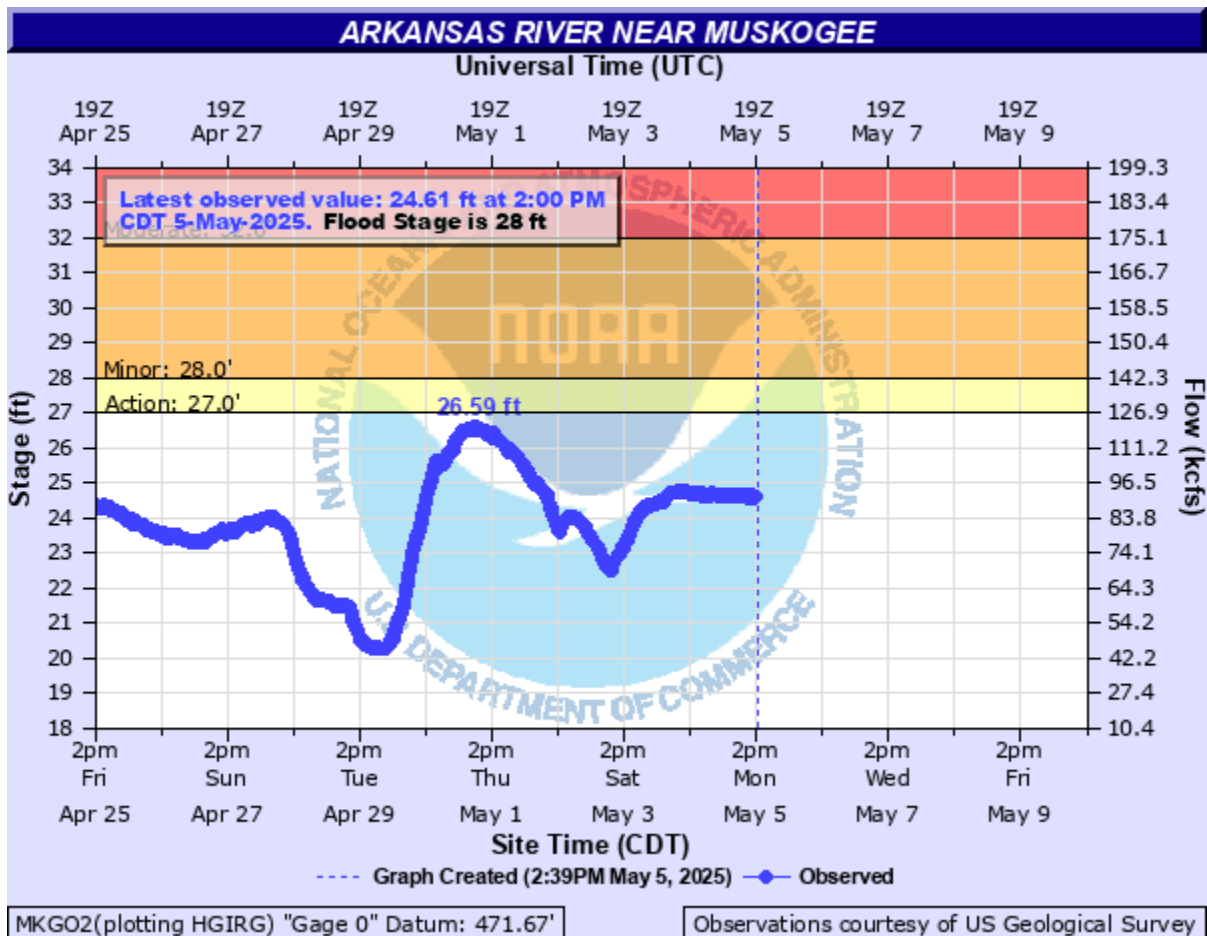
Universal Time (UTC)



PANO2(plotting HGIRG) "Gage 0" Datum: 388.12'

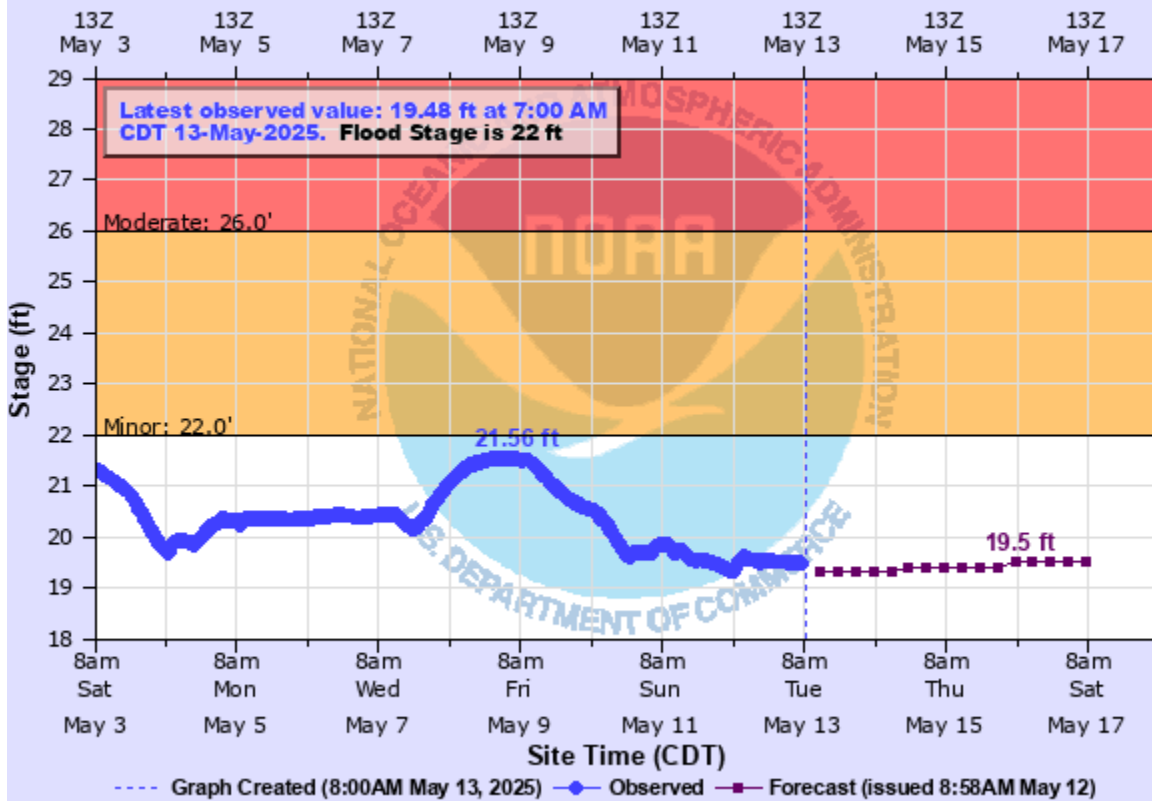
Observations courtesy of US Geological Survey





ARKANSAS RIVER AT VAN BUREN

Universal Time (UTC)

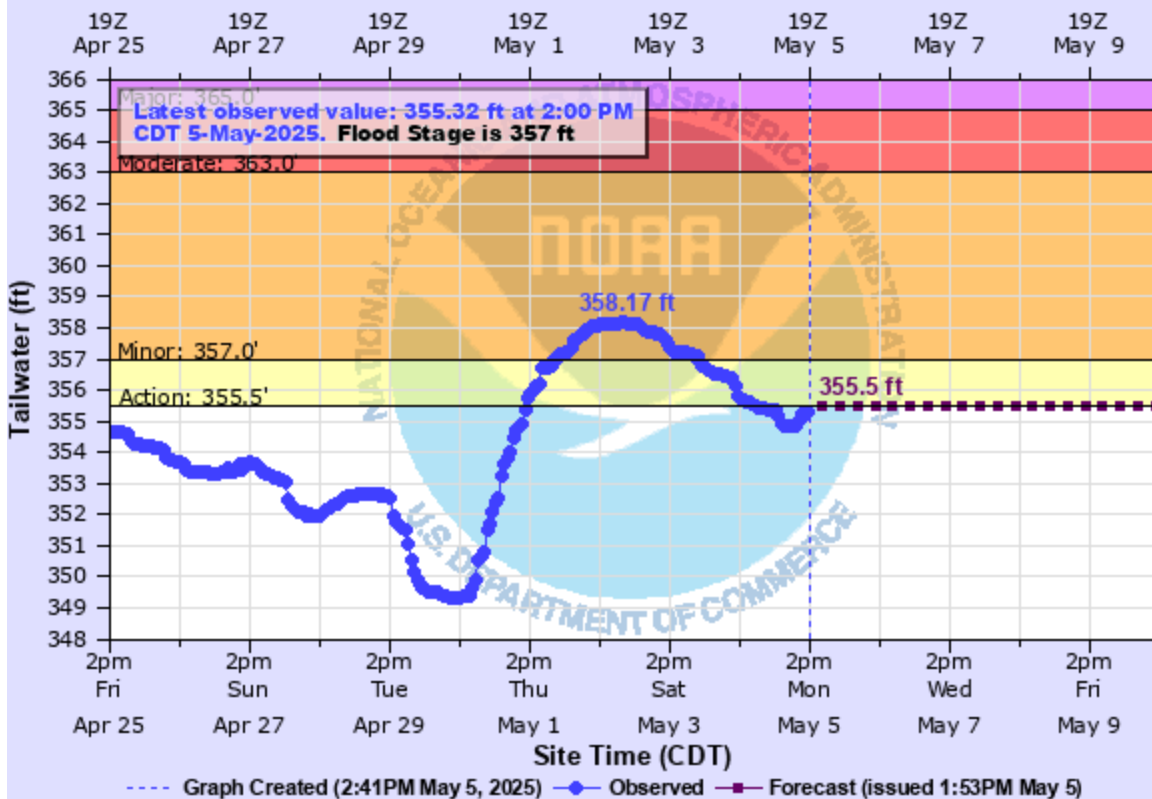


VBUA4(plotting HGIRG) "Gage 0" Datum: 372.57'

Observations courtesy of U.S. Geological Survey

ARKANSAS RIVER AT OZARK L/D TAILWATER

Universal Time (UTC)

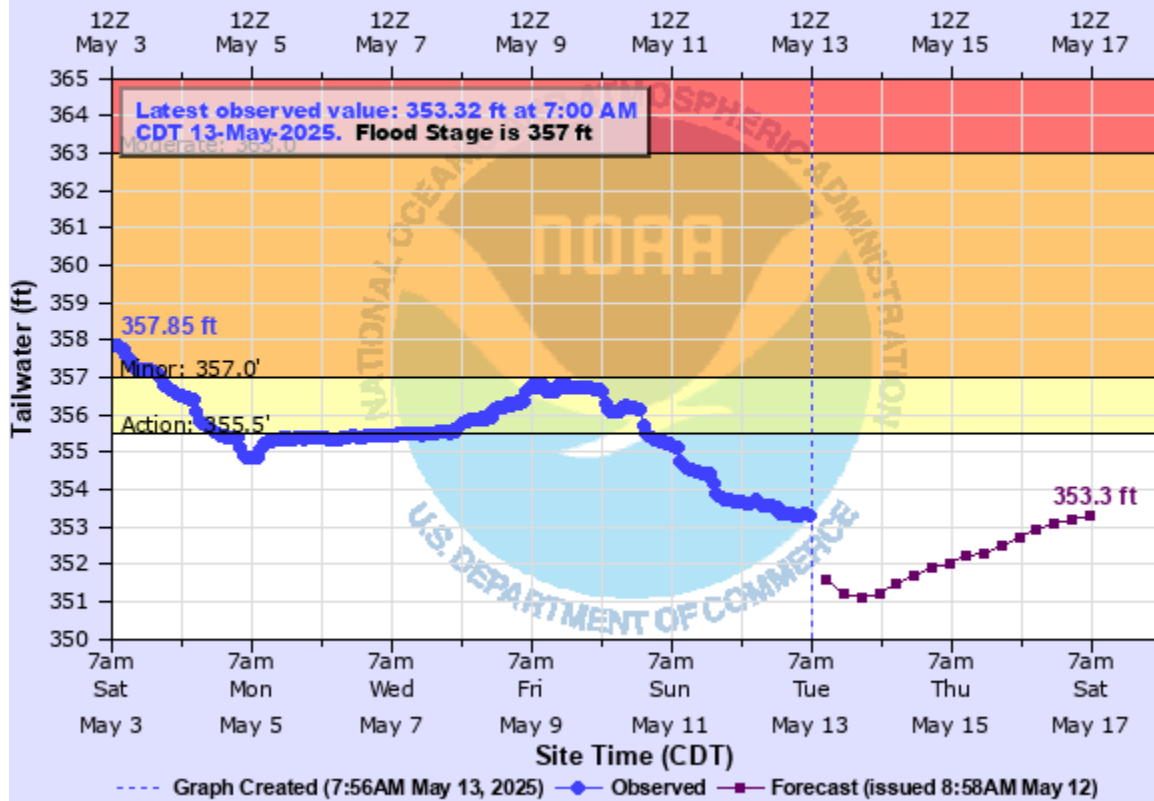


OZGA4(plotting HTIRG) "Gage 0" Datum: 0'

Observations courtesy of US Army Corps of Engineers - LRD

ARKANSAS RIVER AT OZARK L/D TAILWATER

Universal Time (UTC)



OZGA4(plotting HTIRG) "Gage 0" Datum: 0'

Observations courtesy of US Army Corps of Engineers - LRD