

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 July YEAR 2026
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283		SIGNATURE Steven F. Piltz (Meteorologist-in-Charge)	
		DATE August 5, 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.

July 2026 was primarily warm and dry, with no river flooding at the NWS Tulsa river forecast points. However, severe thunderstorms did put a damper on Independence Day festivities. 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 July 2026 ranged from 0.25" to 6" across eastern OK and northwest AR, with much of the area receiving 1.5"-3". These rainfall totals correspond to 7% to 170% of the normal July rainfall with most of the area receiving 25% to 75% of normal (Fig. 1b).

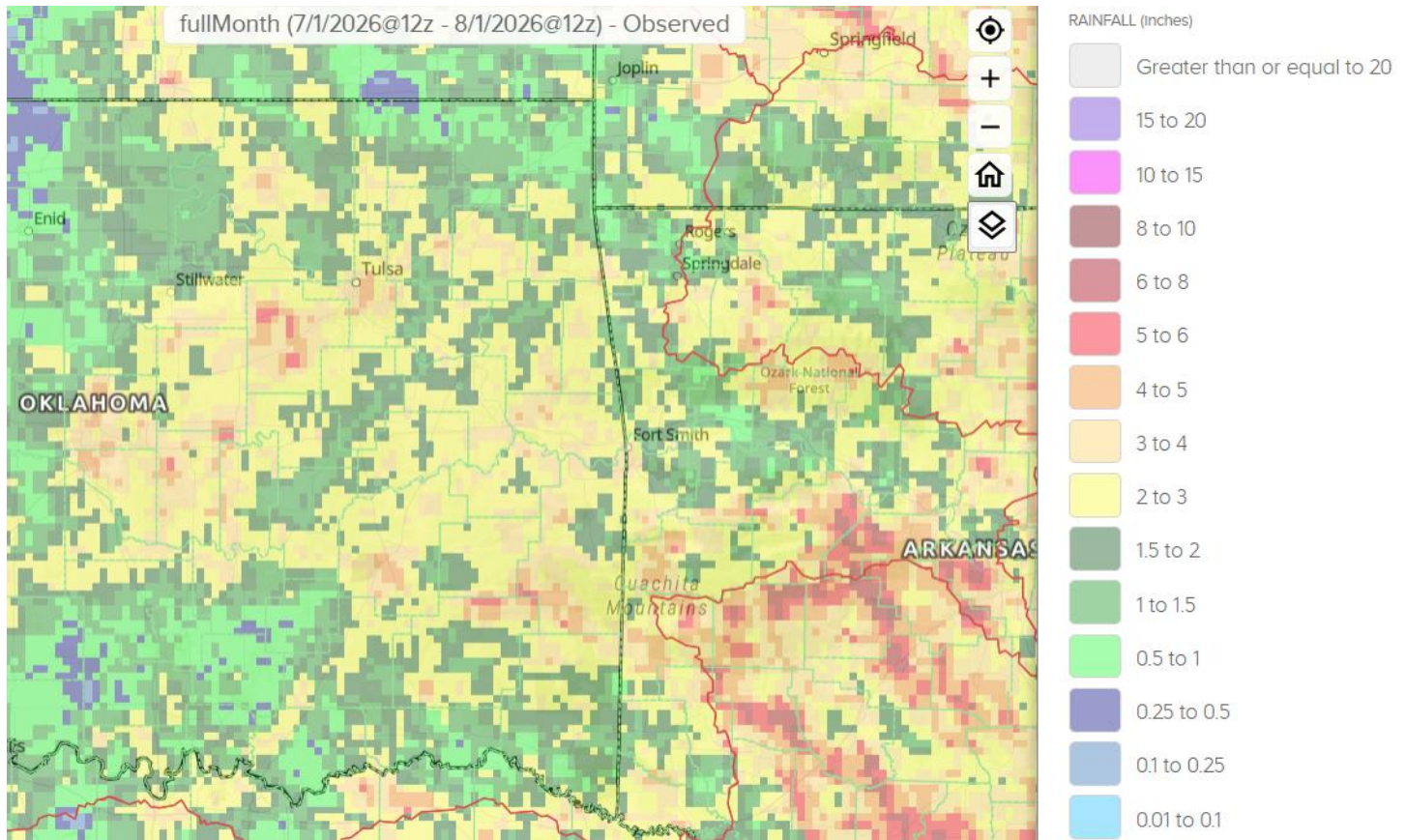


Fig. 1a. Estimated Observed Rainfall for July 2026

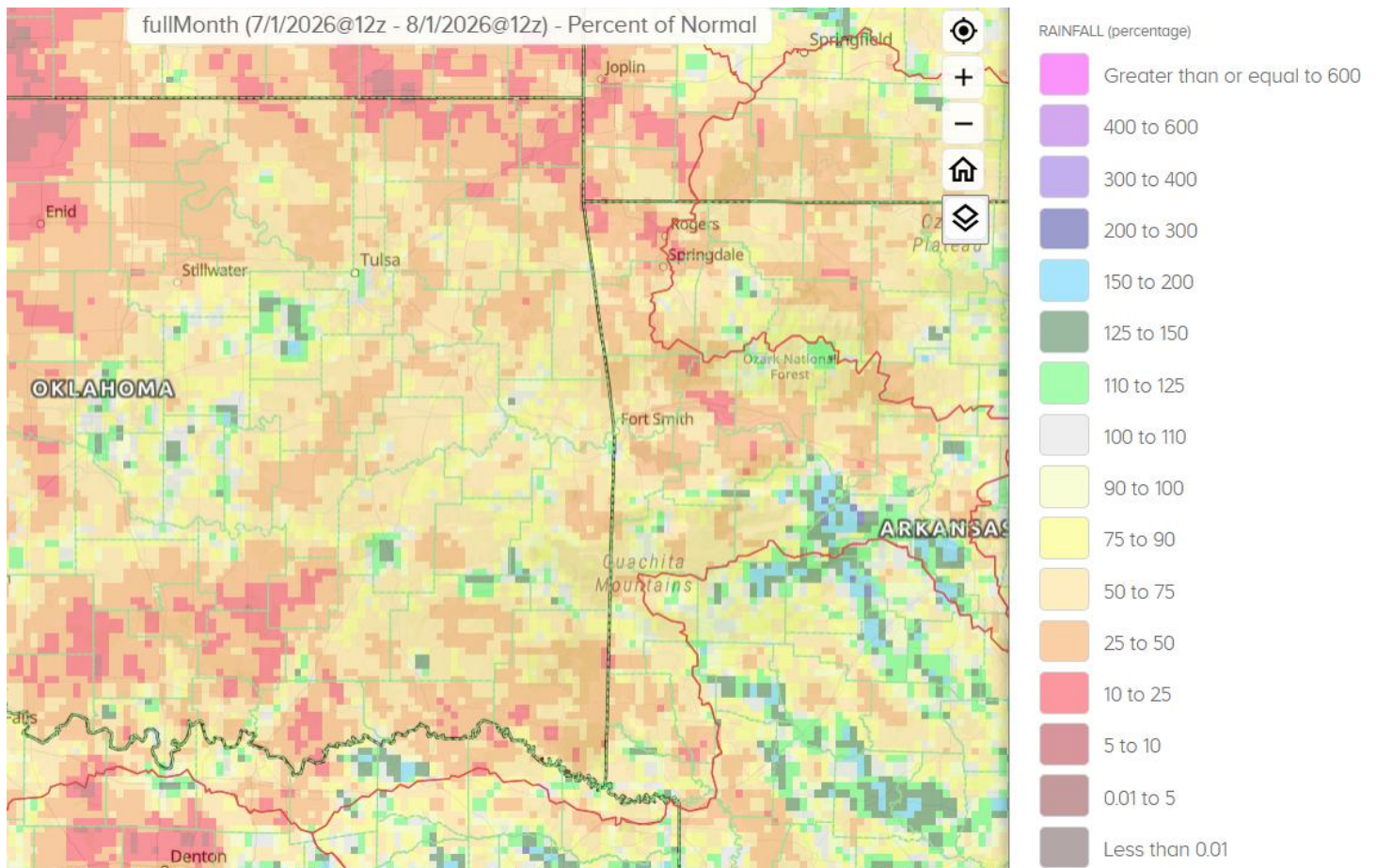


Fig. 1b. Estimated % of Normal Rainfall for July 2026

In Tulsa, OK, July 2026 ranked as the 18th warmest July (85.4°F, tied 1998; since records began in 1905) and the 38th wettest July (4.46", since records began in 1888). Fort Smith, AR had the 10th warmest July (85.8°F, tied 2001; since records began in 1882) and the 45th wettest July (3.69", tied 1913; since records began in 1882). Fayetteville, AR had the 9th warmest (81.7°F) and the 24th driest (2.08", tied 2002) July since records began in 1950.

Some of the larger precipitation reports (in inches) for July 2026 included:

Bristow, OK (meso)	5.84	Clayton, OK (meso)	5.05	Bunch 0.8N, OK (coco)	4.81
Eureka Springs 1.4WSW, AR (coco)	4.73	Tulsa, OK (ASOS)	4.46	Tulsa 1.4S, OK (coco)	4.32
Tulsa 8.4ESE, OK (coco)	4.24	Talihina, OK (meso)	4.11	Jenks Riverside Arpt, OK (ASOS)	4.10

Some of the lowest precipitation reports (in inches) for July 2026 included:

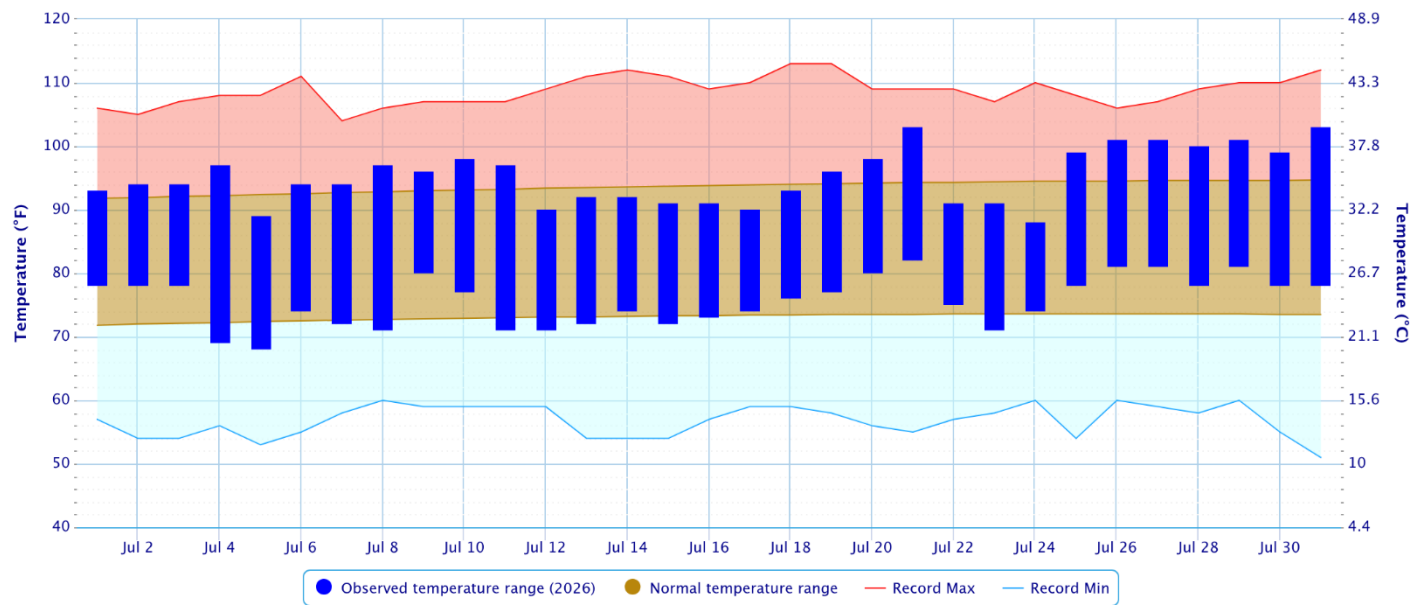
Rogers Airport, AR (AWOS)	0.22	Bentonville 1.6NE, AR (coco)	0.27	Bentonville Airport, AR (AWOS)	0.32
Centerton 1.0E, AR (coco)	0.46	Copan, OK (meso)	0.57	Grove 4.1N, OK (coco)	0.58
Miami 3.7ENE, OK (coco)	0.62	Miami, OK (meso)	0.76	Muskogee, OK (ASOS)	0.79

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

Rank since 1921	Last 30 Days (Jul 2 – 31)	Growing Season-to-Date (Mar 1 – Jul 31)	Summer-to-Date (Jun 1 – Jul 31)	Last 120 Days (Apr 3 – Jul 31)	Year-to-Date (Jan 1 – Jul 31)	Water Year-to-Date (Oct 1, 2025 – Jul 31, 2026)	Last 365 Days (Aug 1, 2025 – Jul 31, 2026)
Northeast OK	30 th driest	20 th wettest	13 th wettest	17 th wettest	29 th wettest	45 th wettest	51 st wettest
East Central OK	41 st driest	28 th wettest	21 st wettest	28 th wettest	39 th wettest	43 rd driest	43 rd driest
Southeast OK	34 th driest	34 th wettest	19 th wettest	28 th wettest	52 nd driest	36 th driest	30 th driest
Statewide	29 th driest	47 th driest	34 th wettest	50 th driest	39 th driest	23 rd driest	27 th driest

Daily Temperature Data – Tulsa Area, OK (ThreadEx)

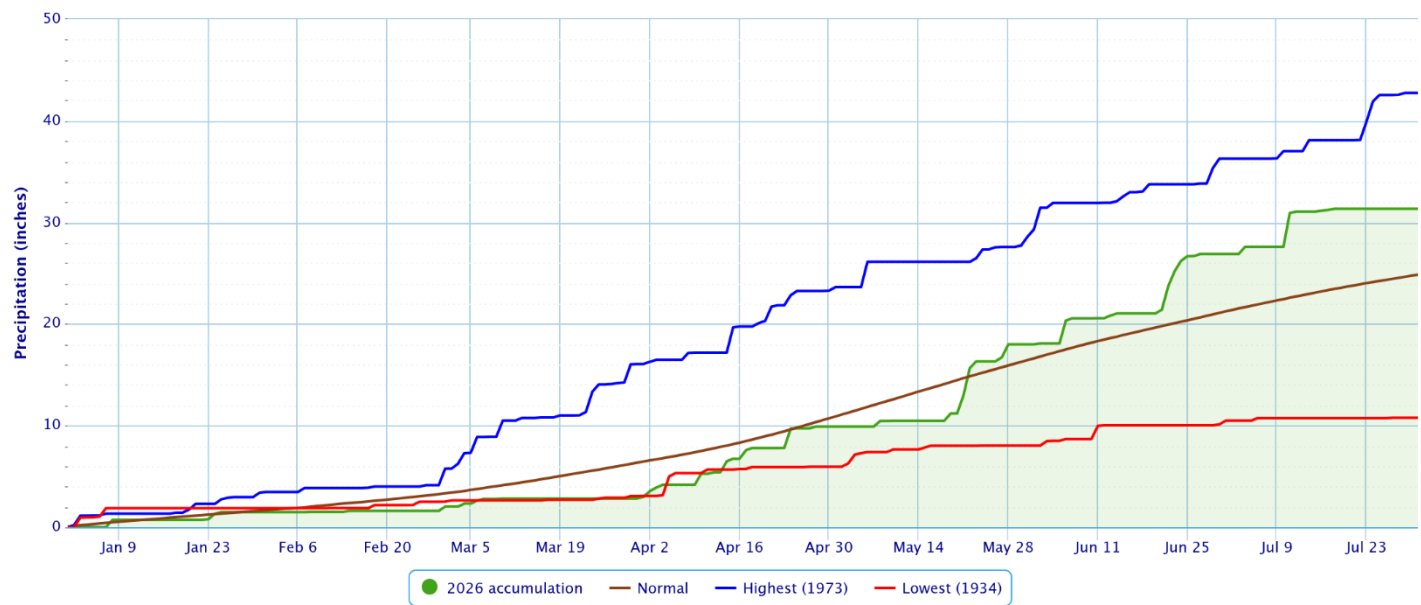
Period of Record – 1905-01-06 to 2026-08-03. Normals period: 1991-2020. Click and drag to zoom chart.



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Accumulated Precipitation – Tulsa Area, OK (ThreadEx)

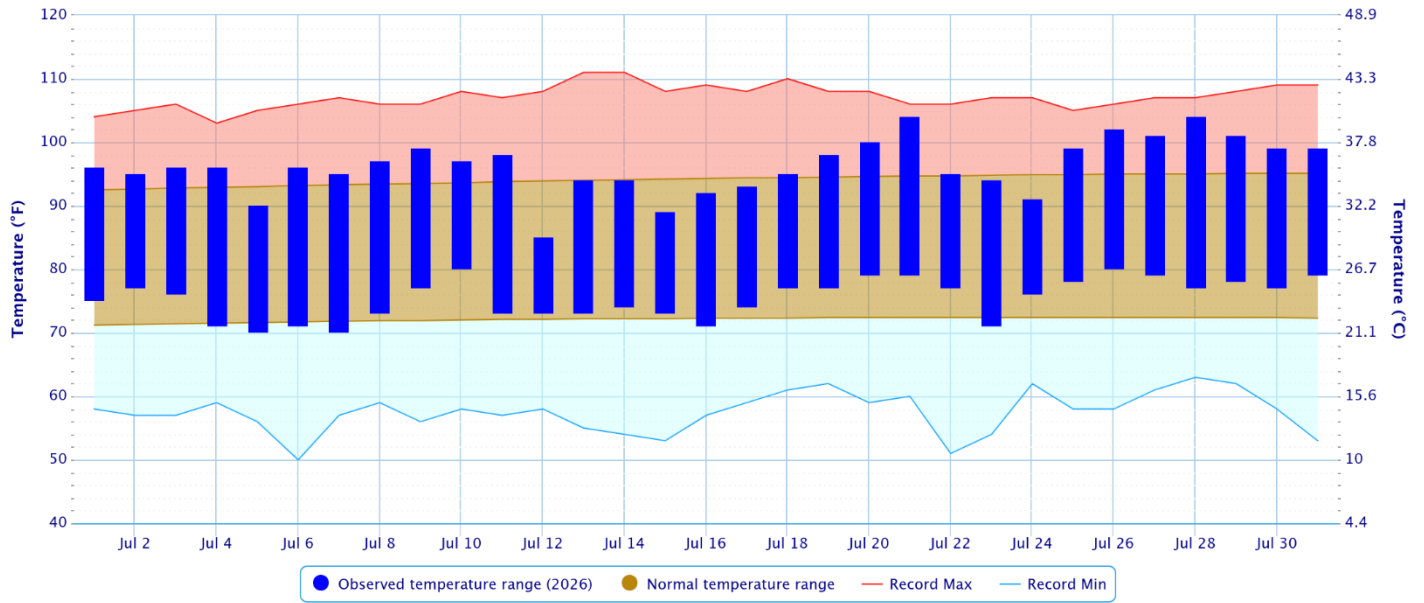
Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



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

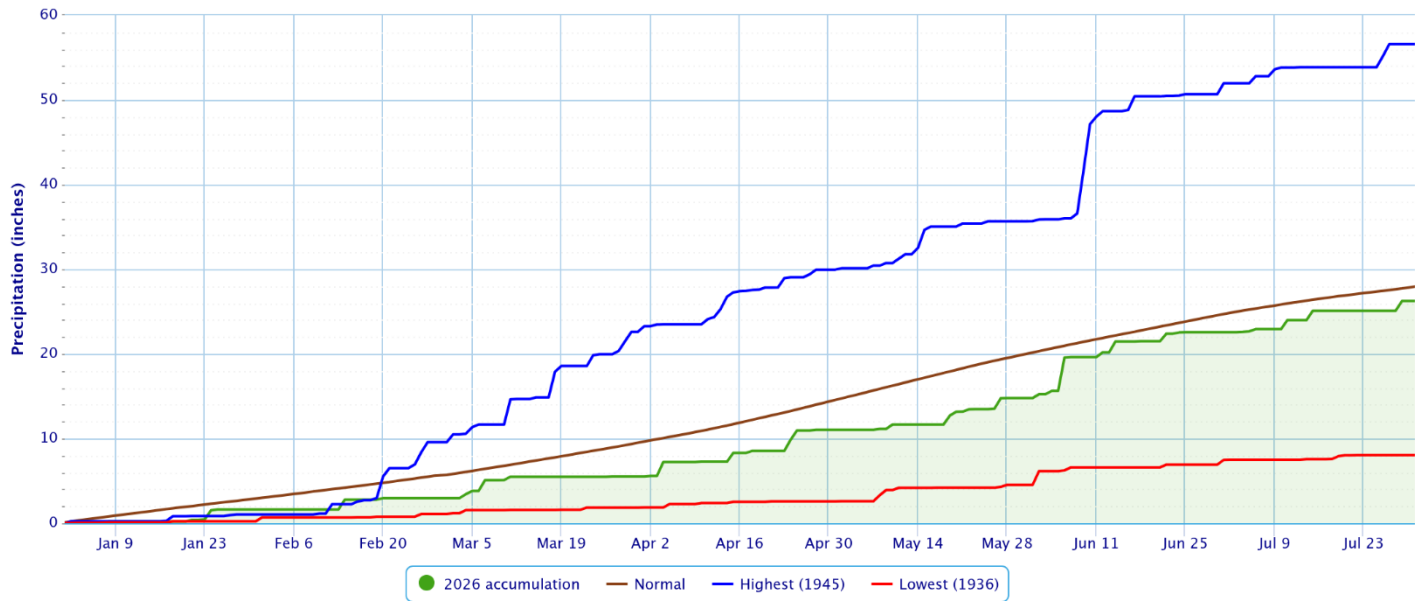
Period of Record – 1882-06-01 to 2026-08-03. Normals period: 1991-2020. Click and drag to zoom chart.



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Accumulated Precipitation – Fort Smith Area, AR (ThreadEx)

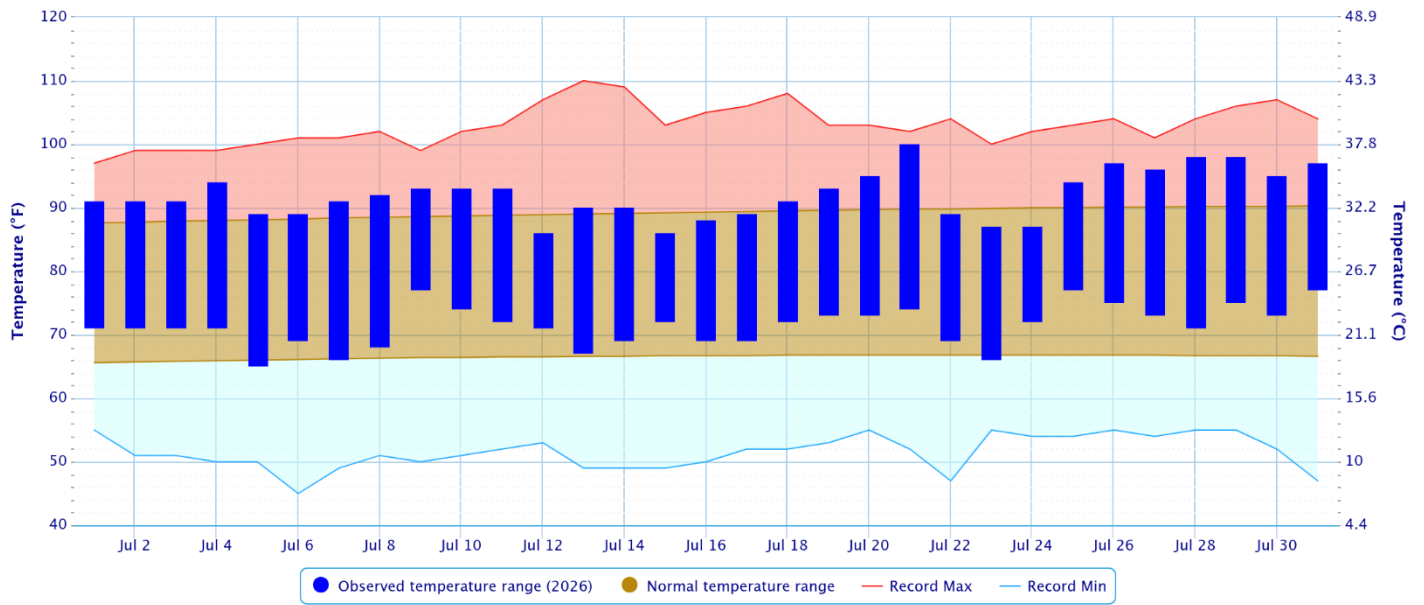
Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



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Daily Temperature Data – FAYETTEVILLE DRAKE FIELD, AR

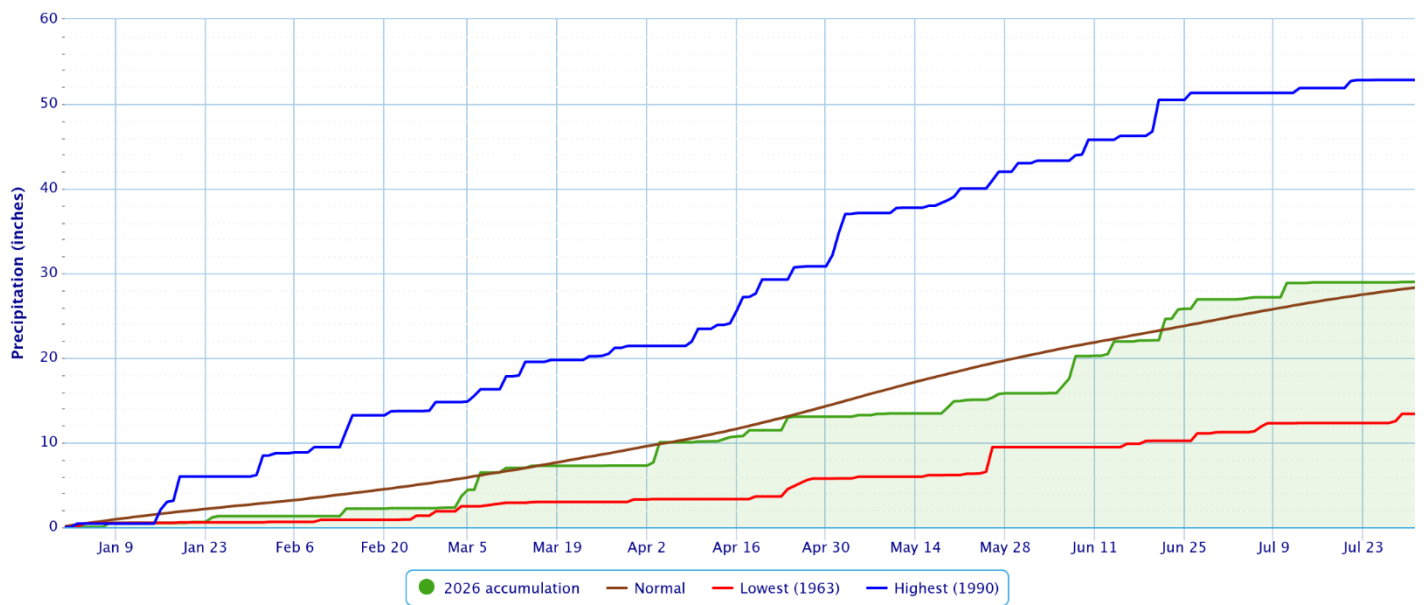
Period of Record – 1949-07-14 to 2026-08-03. Normals period: 1991–2020. Click and drag to zoom chart.



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Accumulated Precipitation – FAYETTEVILLE DRAKE FIELD, AR

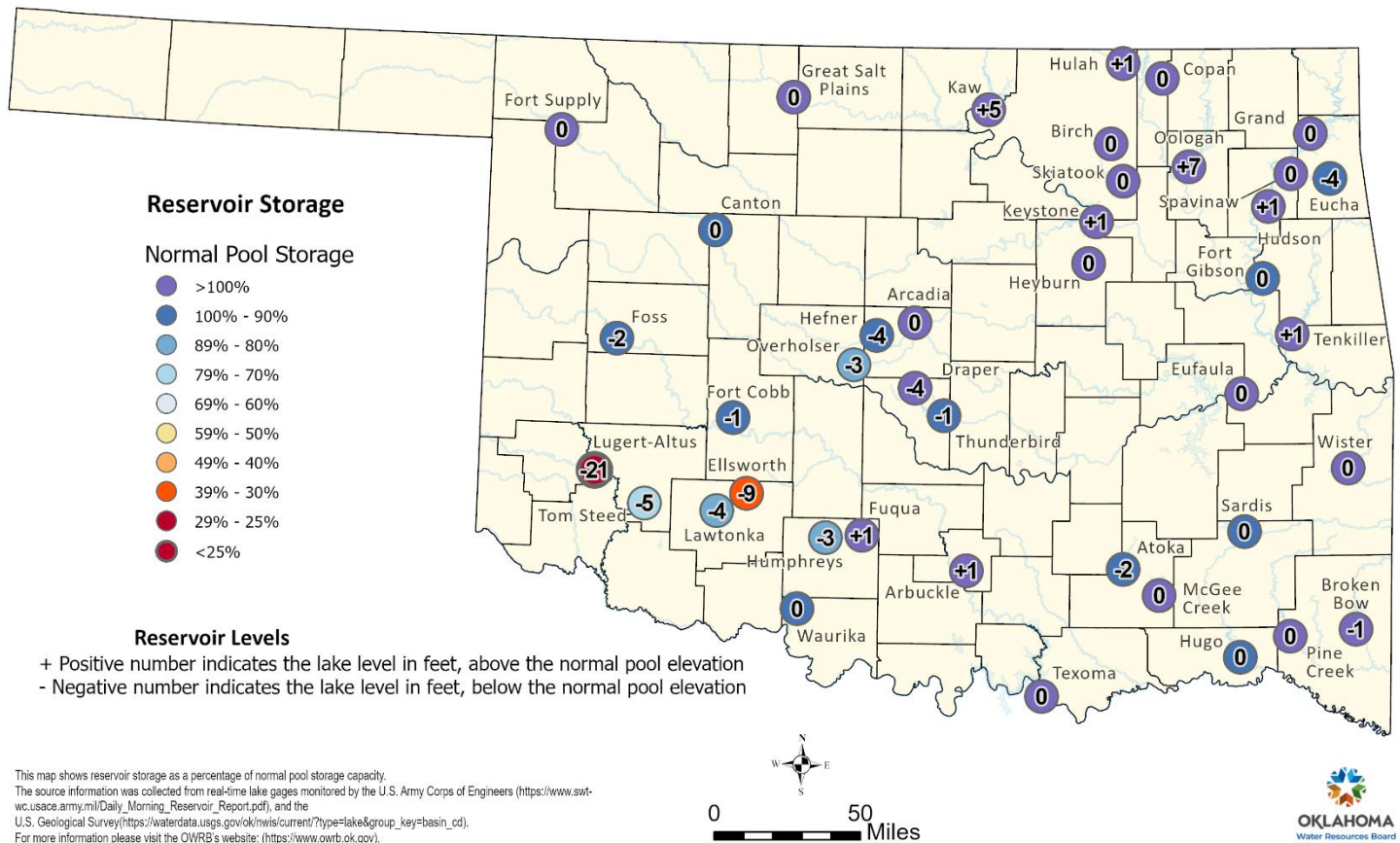
Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



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Reservoirs

Oklahoma Reservoir Levels and Storage as of 7/27/2026



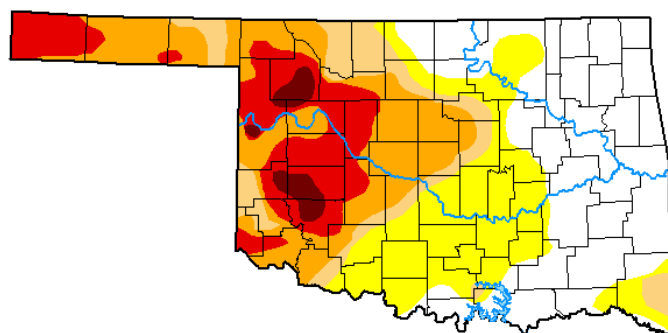
According to the USACE, a few lakes in the HSA were above 3% of the top of their conservation pools as of 7/31/2026: Oologah Lake 18%, Kaw Lake 5%, and Hudson Lake 4%. A couple of lakes were below 3% of the top of their conservation pools: Hugo Lake 94% and Ft. Gibson Lake 95%.

Drought

According to the [U.S. Drought Monitor](#) (USDM) from July 28, 2026 (Figs. 2, 3), Moderate (D1) Drought conditions were present in a small portion of Franklin County in northwest AR. Abnormally Dry (D0) but not in drought conditions were occurring in parts of Osage, Pawnee, Creek, Okfuskee, Pittsburg and Choctaw Counties in eastern OK, and Carroll, Madison, Franklin, Crawford, and Sebastian Counties in northwest AR.

U.S. Drought Monitor Oklahoma

July 28, 2026
(Released Thursday, Jul. 30, 2026)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	34.60	65.40	43.84	35.01	15.68	2.10
Last Week 07-21-2026	35.71	64.29	43.34	35.01	15.54	2.10
3 Months Ago 04-28-2026	0.01	99.99	80.63	43.81	30.08	0.00
Start of Calendar Year 01-06-2026	19.15	80.85	72.77	19.38	6.92	0.00
Start of Water Year 09-30-2025	64.08	35.92	4.86	0.00	0.00	0.00
One Year Ago 07-29-2025	95.27	4.73	0.00	0.00	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:

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DRI/WRCC

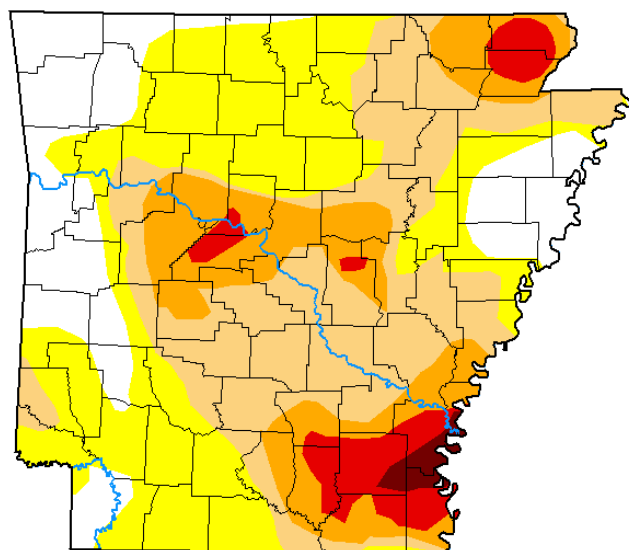


droughtmonitor.unl.edu

Fig. 2. Drought Monitor for Oklahoma

U.S. Drought Monitor Arkansas

July 28, 2026
(Released Thursday, Jul. 30, 2026)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	17.86	82.14	49.89	21.87	6.58	0.99
Last Week 07-21-2026	17.85	82.15	49.88	21.87	6.58	0.99
3 Months Ago 04-28-2026	0.00	100.00	95.05	84.57	54.80	9.93
Start of Calendar Year 01-06-2026	0.00	100.00	91.34	21.84	0.00	0.00
Start of Water Year 09-30-2025	19.70	80.30	48.43	20.14	0.00	0.00
One Year Ago 07-29-2025	99.62	0.38	0.00	0.00	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>

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droughtmonitor.unl.edu

Fig. 3. Drought Monitor for Arkansas

Outlooks

The [Climate Prediction Center](#) (CPC) outlook for August 2026 (issued July 31, 2026) indicates an enhanced chance for above normal temperatures and an enhanced chance for below median precipitation across eastern OK and northwest AR. This outlook was based on dynamical and statistical model output, ENSO state, the Madden-Julian Oscillation (MJO), and long-term trends.

For the 3-month period August-September-October 2026, CPC is forecasting an enhanced chance for above normal temperatures south of I-40 and an equal chance for above, near, or below normal temperatures north of I-40 (outlook issued July 16, 2026). This outlook also calls for an equal chance of above, near, or below median rainfall across eastern OK and northwest AR, except along the Red River where there is a slightly enhanced chance for below median rainfall. This outlook is based on long-term trends and ENSO state, and incorporates a suite of statistical and dynamical forecast tools. According to CPC on July 9, “El Niño continues and will strengthen through the end of the year, with a 97% chance it will persist through early spring 2027.” At the end of July, upper-end moderate El Niño conditions were observed.

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

Thunderstorms developed from north central OK into eastern KS during the early evening of Independence Day and organized into a mesoscale convective system (MCS). The MCS moved southeast into northeast OK by mid-evening and continued to move southeast across most of eastern OK and northeast AR through the evening hours. This MCS disrupted many July 4th celebrations and produced damaging straight-line winds, with 80 mph gusts reported in Bartlesville, OK and 60-68 mph gusts measured in Tulsa, Rogers, Nowata, Mayes, and Cherokee Counties in OK. The trailing stratiform rain dissipated a few hours after midnight of the 5th. Rainfall totals ranged from a few hundredths to 2.5” (Fig. 4).

An east-west outflow boundary was located across northeast OK and northwest AR on the 11th. Scattered thunderstorms developed along this boundary during the early afternoon in the higher terrain of northwest AR due to the proximity of an upper-level disturbance. These storms persisted in the area and slowly drifted southward during the afternoon. Additional storms then developed during the early evening hours along the boundary from northeast OK into northwest AR. By late evening, these storms had developed into an MCS with a broken line along the leading edge. The MCS slowly moved to the southwest across eastern OK during the overnight hours, with most of the rain ending from northeast to southwest. A few isolated to widely scattered showers and thunderstorms persisted through the early afternoon of the 12th across southeast OK. Pockets of heavy rainfall occurred due to precipitable water (PWAT) values of 1.75”-2” across the area, with rainfall totals ranging from 0.2” to around 3.5” (Figs. 5, 6).

Around sunrise on the 15th, showers and thunderstorms developed over west central AR as a weak mid-level disturbance moved westward toward the region. This activity increased in coverage as it moved west into eastern OK through the morning hours. By afternoon, isolated to scattered showers and thunderstorms were affecting eastern OK and northwest AR, with pockets of heavier rainfall due to the slow motion of the storms. This activity continued through the evening and then dissipated with the loss of daytime heating. Rainfall totals ranged from a few hundredths to around 2.5” (Fig. 7).

Scattered showers and thunderstorms developed during the afternoon of the 29th across far eastern OK and northwest AR near a frontal zone over the area. This activity continued through the evening and dissipated by midnight. Rainfall totals ranged from a few hundredths to localized 2.5” (Fig. 8).

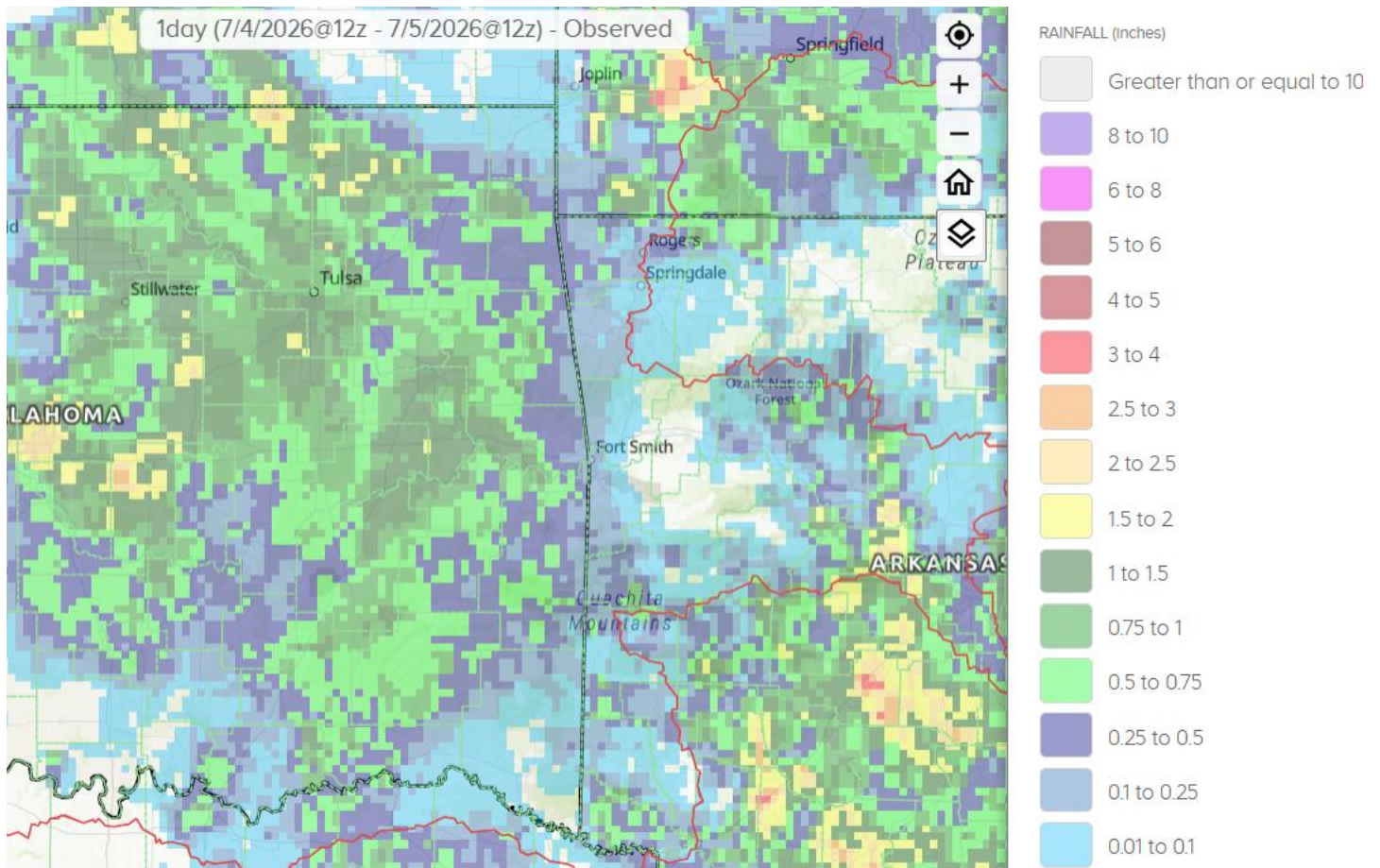


Fig. 4. 24-hour Estimated Observed Rainfall ending at 7am CDT 7/5/2026.

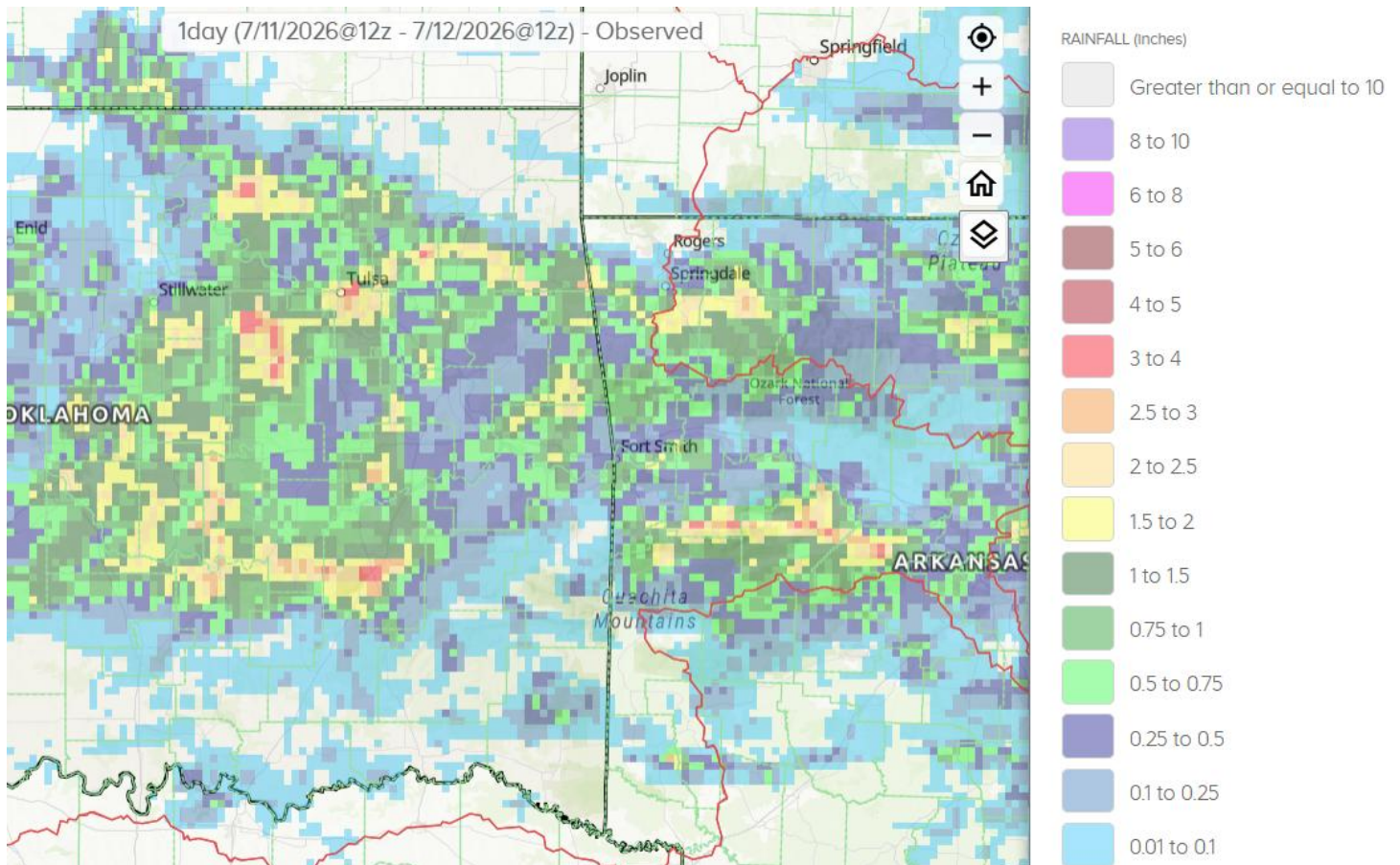


Fig. 5. 24-hour Estimated Observed Rainfall ending at 7am CDT 7/12/2026.

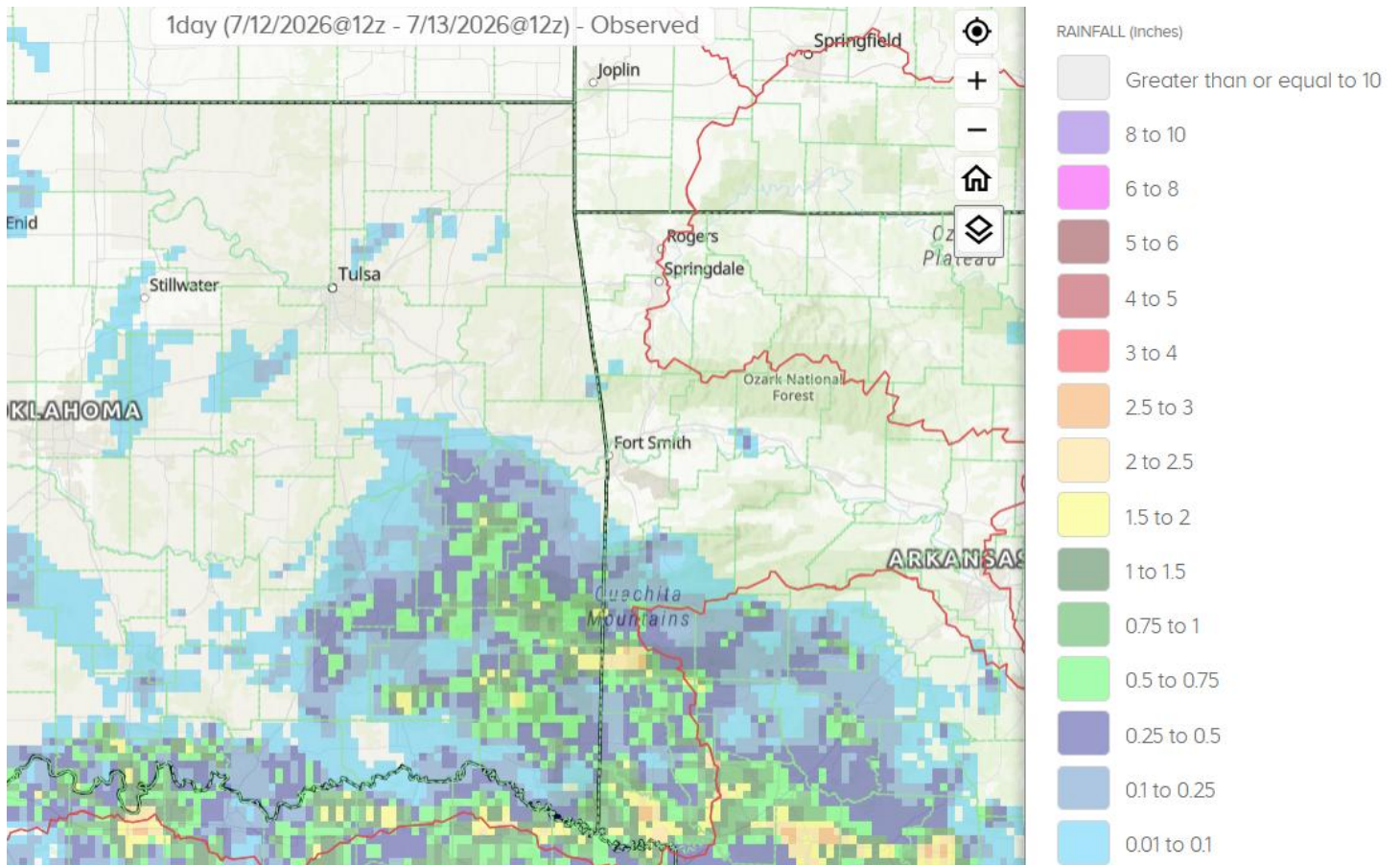


Fig. 6. 24-hour Estimated Observed Rainfall ending at 7am CDT 7/13/2026.

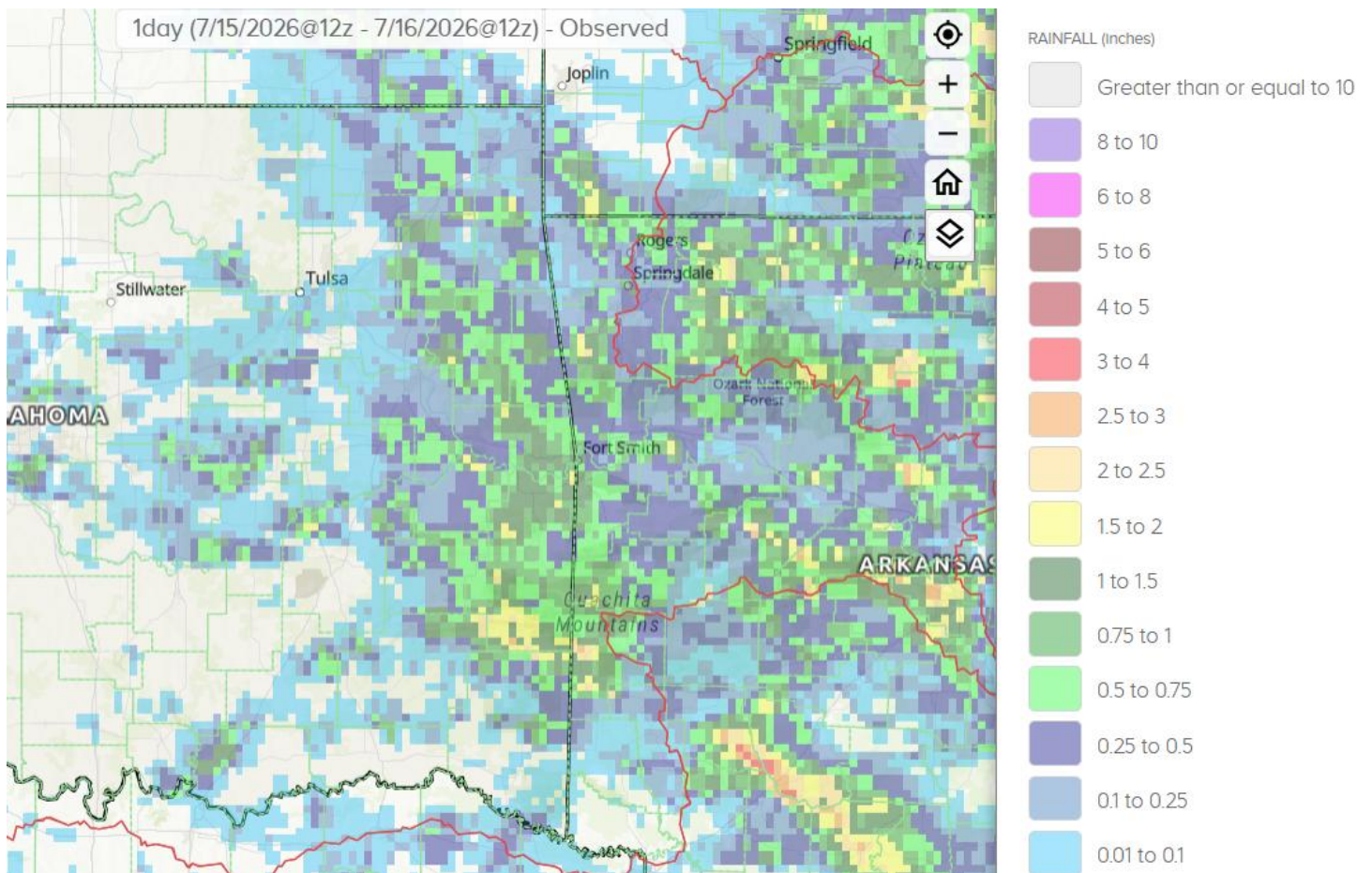


Fig. 7. 24-hour Estimated Observed Rainfall ending at 7am CDT 7/16/2026.

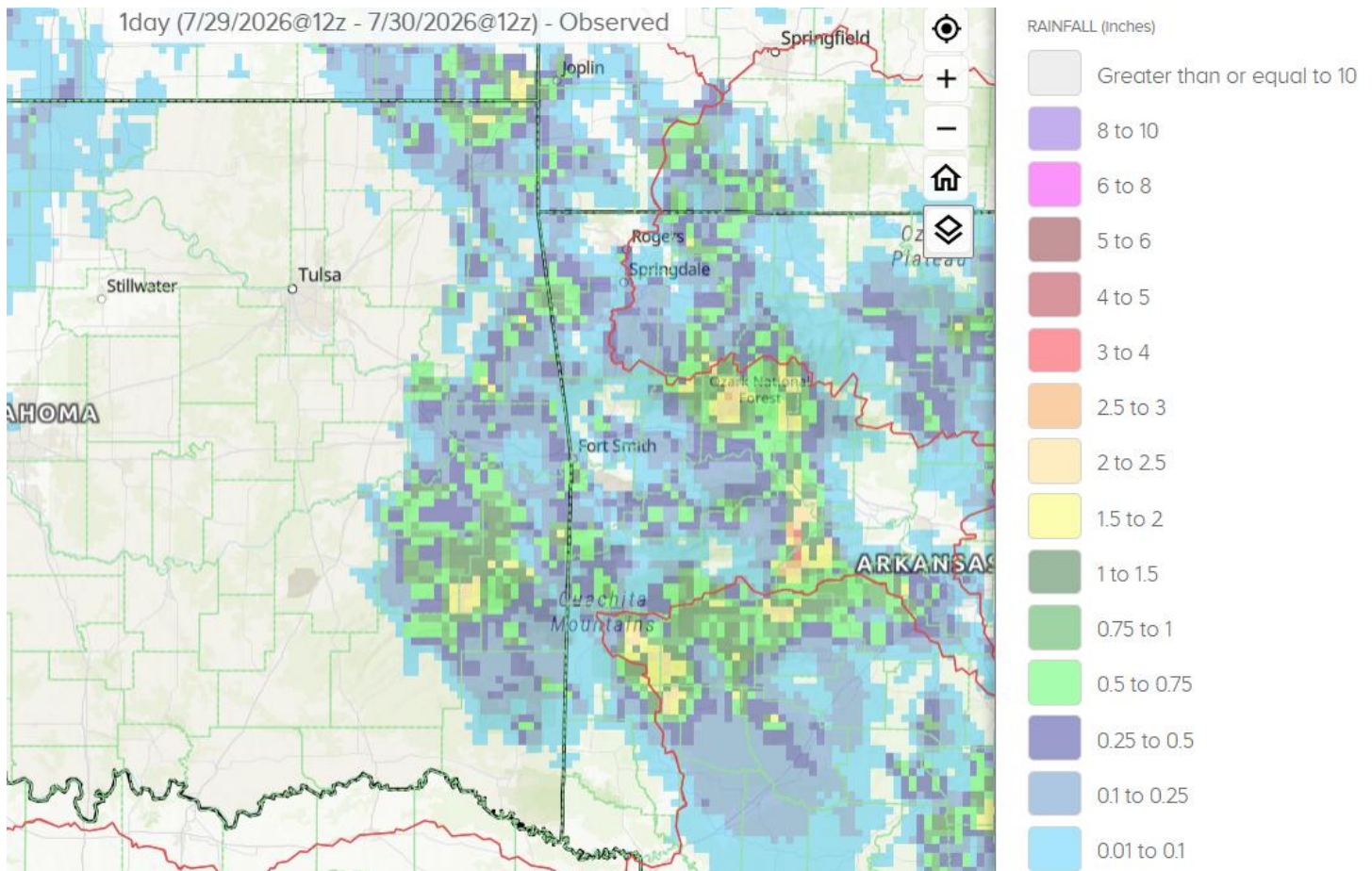


Fig. 8. 24-hour Estimated Observed Rainfall ending at 7am CDT 7/30/2026.

Written by:

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Service Hydrologist
WFO Tulsa

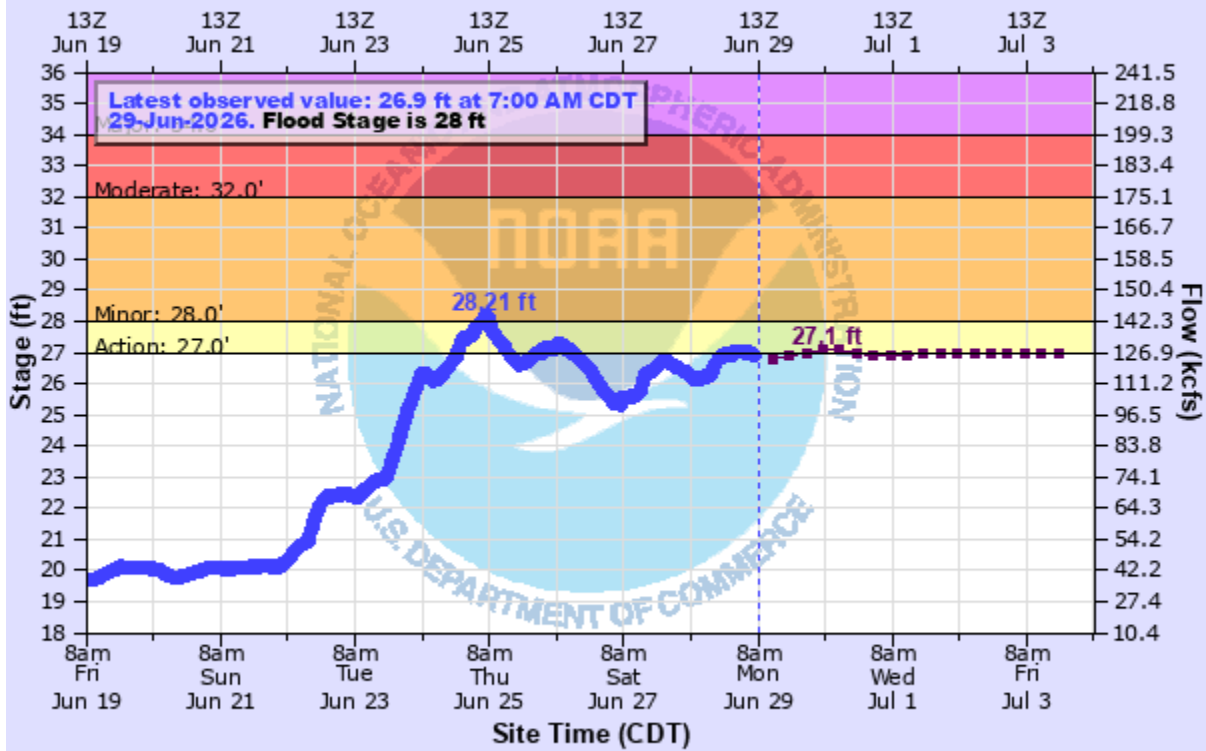
Products issued in July 2026:

- 6 Flash Flood Warnings (FFW)
- 3 Flash Flood Statements (FFS)
- 0 Flash/Areal Flood Watches (FFA) (0 Watch FFA CON/EXT/EXA/EXB/CAN)
- 20 Urban and Small Stream Advisories (FLS)
- 2 Areal Flood Warnings (FLW)
- 1 Areal Flood Statements (FLS)
- 0 River Flood Warnings (FLW) (includes category increases)
- 0 River Flood Statements (FLS)
- 0 River Flood Advisories (FLS) (25 Advisory FLS CON/EXT/CAN)
- 0 River Flood Watches (FFA) (0 Watch FFA CON/EXT/CAN)
- 0 River Statements (RVS)
- 0 Hydrologic Outlooks (ESF)
- 1 Drought Information Statements (DGT)

Preliminary Hydrographs:

ARKANSAS RIVER NEAR MUSKOGEE

Universal Time (UTC)



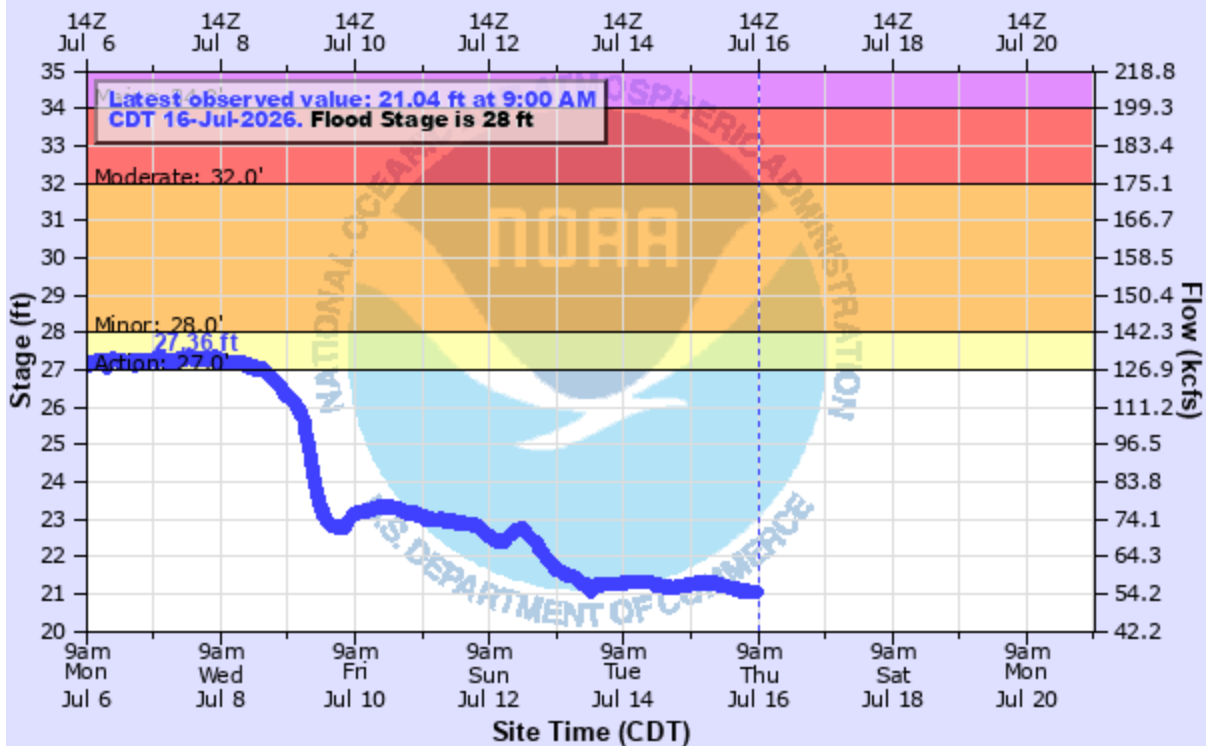
--- Graph Created (8:08AM Jun 29, 2026) — Observed — Forecast (issued 8:03PM Jun 28)

MKGO2(plotting HGIRG) "Gage 0" Datum: 471.67'

Observations courtesy of US Geological Survey

ARKANSAS RIVER NEAR MUSKOGEE

Universal Time (UTC)



--- Graph Created (9:47AM Jul 16, 2026) — Observed

MKGO2(plotting HGIRG) "Gage 0" Datum: 471.67'

Observations courtesy of US Geological Survey