

# Weekly rainfall and river flow summary

## Weekly bulletin: Wednesday 7 August to Tuesday 13 August 2024

**Summary:** It has been a drier week across most of England. River flows have decreased at more than four-fifths of reporting sites compared to the previous week, with the majority river flows classed as normal or above for the time of year.

### Rainfall

It has been a drier week, with all areas except south-west and central England receiving less rainfall than the previous week. Rainfall totals for the week ranged from just 1mm in east England to 16mm in north-west England. (Table 1, Figure 1). Rainfall totals for August range from 10% of long-term average (LTA) rainfall in east England to 34% of LTA in north-west England. (Table 1).

### River flow

River flows have decreased at more than four-fifths (87%) of reporting sites compared to the previous week. Most river flows at reporting sites were classed as [normal](#) or above with only five sites (9%) classed as below normal. Forty sites (72%) were [normal](#) and seven sites (13%) were [above normal](#) for the time of year. Two sites (4%) were classed as [exceptionally high](#) and one site (2%) was [notably high](#). (Figure 2).

### Outlook

Rain is forecast on Thursday for northern England with drier conditions elsewhere. Rain at first in the southeast on Friday, otherwise largely dry and bright across central and northern England with some showers in the west. The weekend is expected to be dry with sunshine for most areas. The settled conditions will continue into Monday with a dry, bright day for most of the country. On Tuesday, a low-pressure system moves in bringing rain to western and northern areas of England.

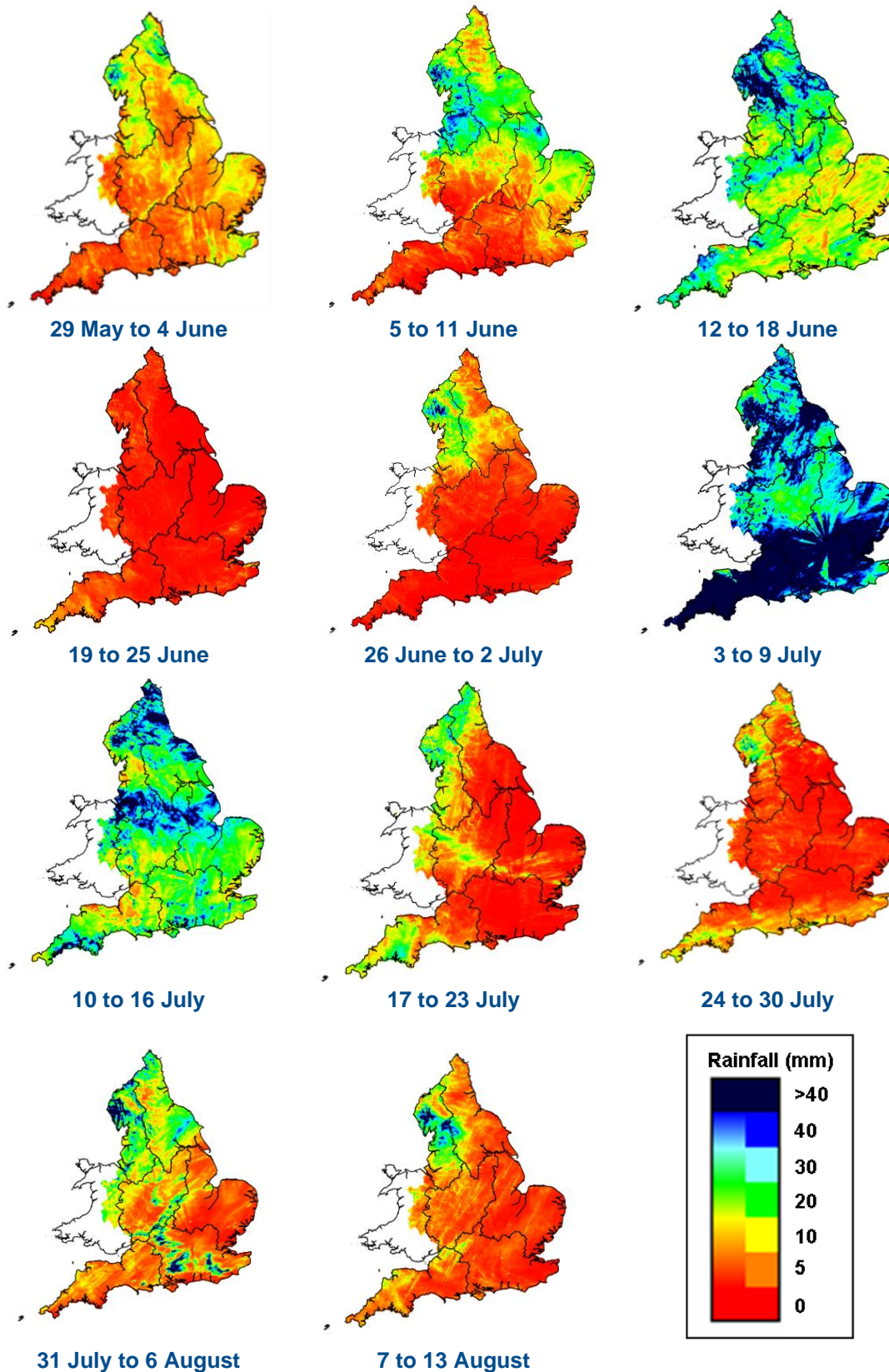
Geographic regions	Latest Week: 7 to 13 Aug 2024	Latest month to date: Aug 2024		Last month: Jul 2024		Last 3 months: May to Jul 2024		Last 6 months: Feb to Jul 2024		Last 12 months: Aug 2023 to Jul 2024	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
north-west	16	37	34	91	106	283	117	683	141	1,647	138
north-east	7	14	18	81	131	214	116	477	129	1,165	139
central	7	12	18	68	130	177	105	462	140	1,006	139
east	1	6	10	72	144	169	113	379	135	828	138
south-east	4	13	22	74	152	163	103	473	149	1,052	144
south-west	9	15	20	95	155	214	111	662	156	1,447	142
England	7	15	21	79	136	197	111	506	142	1,148	140

**Table 1** Latest rainfall summary information (Source: Met Office © Crown Copyright, 2024)<sup>1</sup>

<sup>1</sup> Notes: LTA = long term average rainfall for 1961 – 1990. Data for the current month are calculated using MORECS (Met Office Rainfall and Evaporation Calculation System); data for past months are provisional values from the National Climate Information Centre (NCIC). The data are rounded to the nearest millimetre or percent (except when values are less than 1). Recorded amounts of rainfall are likely to be underestimated during snow events.

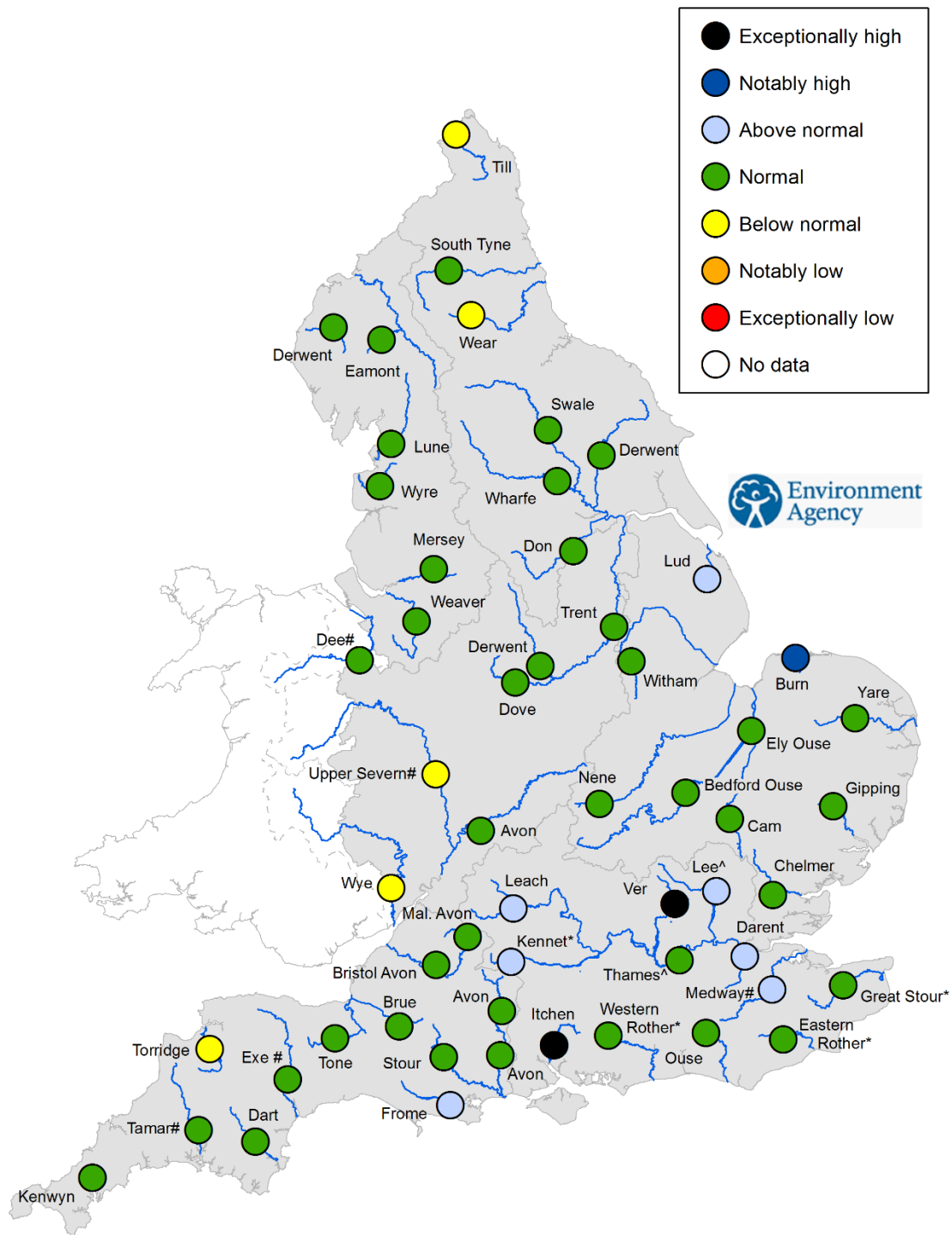
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# Rainfall



**Figure 1** Weekly precipitation across England and Wales for the past 11 weeks. UKPP radar data (Source: Met Office © Crown Copyright, 2024). Note: Images may sometimes include straight lines originating from the centre of the radar, resulting from tall trees and buildings located near the radar installation affecting its performance. This does not reflect actual conditions on the ground. Crown copyright. All rights reserved. Environment Agency, 100024198, 2024.

# River flow



^'Naturalised' flows are provided for the River Thames at Kingston and the River Lee at Feildes Weir.

\* Flows may be currently overestimated at these sites so the data should be treated with caution

# Flows may be impacted at these sites by water releases from upstream reservoirs.

**Figure 2** Latest daily mean river flow, relative to an analysis of historic daily mean flows, classed by flow percentile for the same time of year<sup>2</sup> (Source: Environment Agency). Crown copyright. All rights reserved. Environment Agency, 100024198, 2024<sup>3</sup>.

<sup>2</sup>Flow percentiles describe the percentage of time that a particular flow has been equalled or exceeded compared to the historic flow record for that site for the time of year. Flow percentiles presented relate to an analysis for the time of year and not a whole year.

<sup>3</sup>The flow sites in this report are indicator sites providing a National overview and a subset of a wider flow monitoring network.

## River flow categories

Exceptionally high	Value likely to fall within this band 5% of the time
Notably high	Value likely to fall within this band 8% of the time
Above normal	Value likely to fall within this band 15% of the time
Normal	Value likely to fall within this band 44% of the time
Below normal	Value likely to fall within this band 15% of the time
Notably low	Value likely to fall within this band 8% of the time
Exceptionally low	Value likely to fall within this band 5% of the time

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