

# Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 11 September to Tuesday 17 September 2024

**Summary:** It has been a drier week across England. River flows have decreased at almost all reporting sites compared to the previous week, with river flows now classed as normal or above for the time of year at all but one site.

## Rainfall

It has been a drier week across England compared to the previous week, with rainfall totals below 10mm for most of the country. Rainfall totals ranged from 2mm in south-west England to 22mm in the north-west (Table 1, Figure 1). Rainfall totals for the month so far ranged from 39% of the long term average (LTA) in east England to 89% of the LTA in central England (Table 1).

## River flow

River flows decreased at almost all (93%) reporting sites when compared to the previous week, with just 4 sites seeing an increase in river flows. All reporting sites were [normal](#) or higher for the time of year, except one site which was classed as [below normal](#) for the time of year. Flows at 39 sites (71% of the total) were classed as normal for the time of year, 12 sites (22%) were [above normal](#) and 3 sites (5%) were [exceptionally high](#) for the time of year. (Figure 2).

## Outlook

Thursday is expected to be mostly dry and warm with sunshine for many, although it will be breezy in the south. Friday, Saturday and Sunday are expected to be largely dry and sunny, particularly in the north, although rain will move in from the south and be heavy and thundery in places. Unsettled, showery weather is expected to continue into Monday and Tuesday.

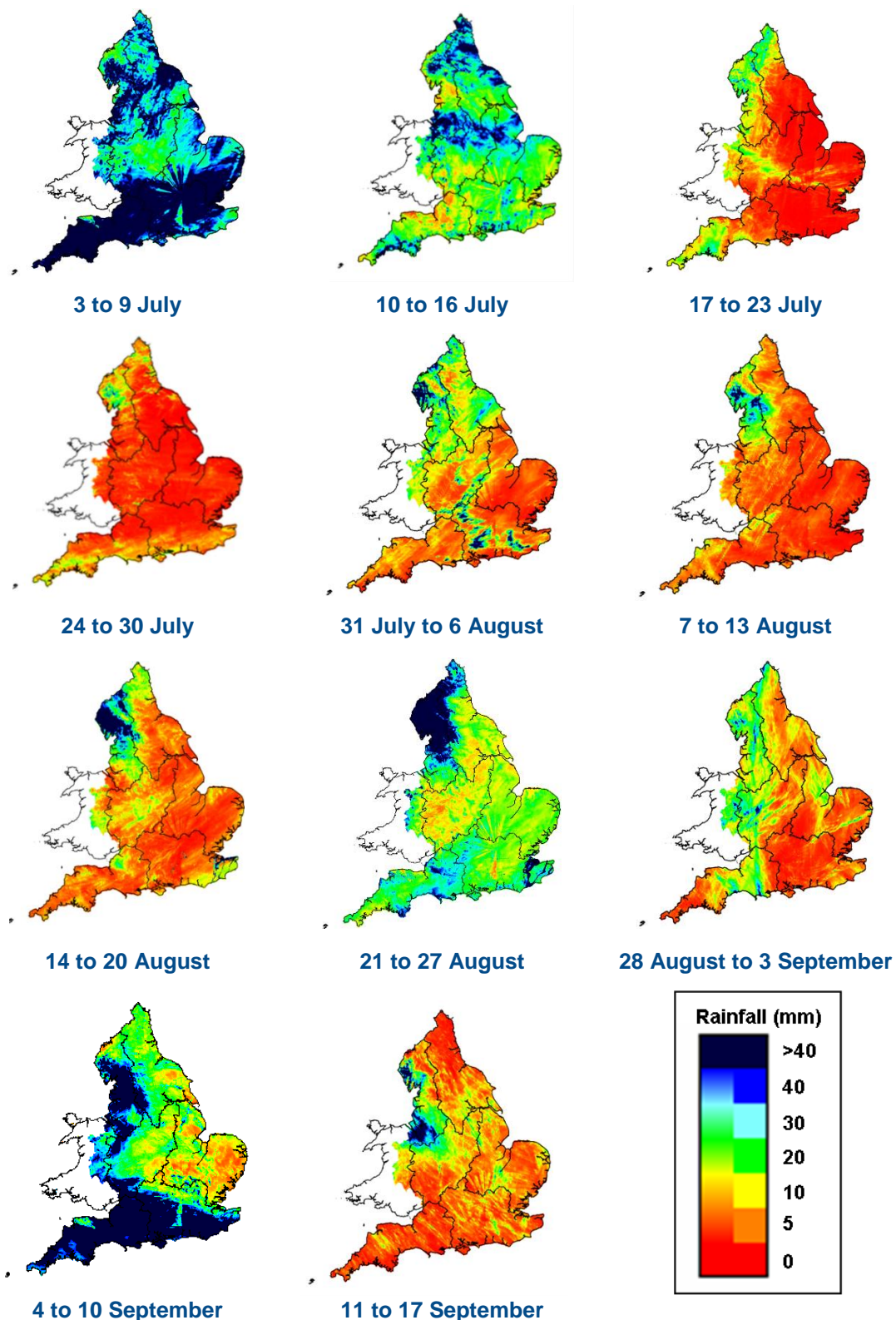
Geographic regions	Latest Week: 11 to 17 Sep 2024	Latest month to date: Sep 2024		Last month: Aug 2024		Last 3 months: Jun to Aug 2024		Last 6 months: Mar to Aug 2024		Last 12 months: Sep 2023 to Aug 2024	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
north-west	22	78	68	140	130	300	110	686	133	1,675	140
north-east	6	36	51	39	51	165	82	431	111	1,119	134
central	8	54	89	27	42	127	72	374	109	981	136
east	4	19	39	20	36	118	75	293	98	796	133
south-east	4	45	70	38	66	131	81	370	113	1,025	140
south-west	2	65	78	50	65	173	86	507	122	1,412	138
England	7	47	66	46	65	159	84	423	114	1,122	137

**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.

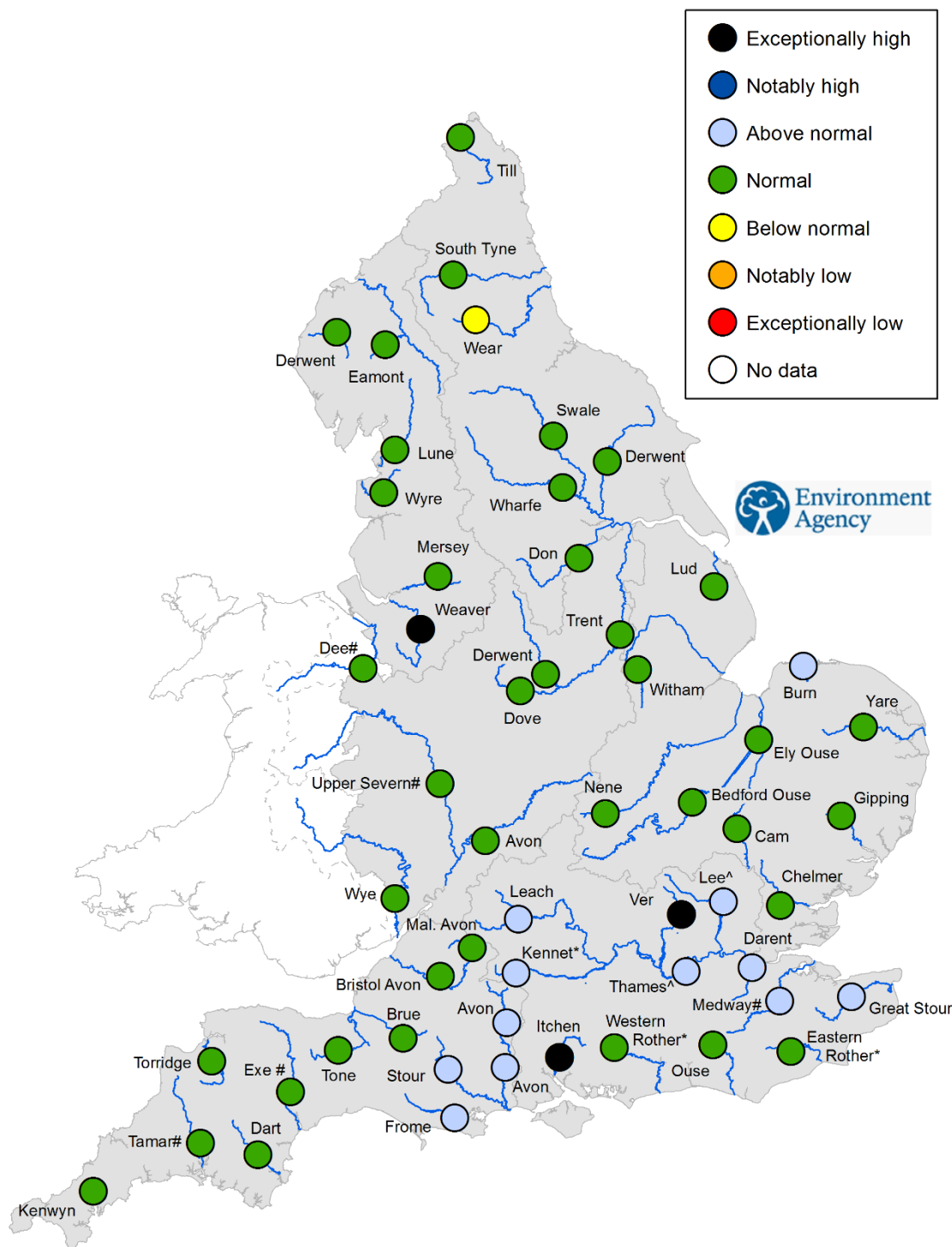
All data are provisional and may be subject to revision. The views expressed in this document are not necessarily those of the Environment Agency. Its officers, servants or agents accept no liability for any loss or damage arising from the interpretation or use of the information, or reliance upon views contained herein.

# 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

[Return to summary page](#)