

# Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 25 September to Tuesday 1 October 2024

**Summary:** It has been a very wet week across England. River flows increased at almost all reporting sites when compared to the previous week, with flows at over half the sites exceptionally high for the time of year.

## Rainfall

It has been the wettest week across England since the beginning of January this year. Rainfall totals ranged from 52mm in north-west England to 68mm in the east (Table 1, Figure 1). Rainfall totals for September ranged from 113% of the long term average (LTA) in north-west England to 253% of the LTA in central England (Table 1).

## River flow

River flows increased at the majority (81%) reporting sites when compared to the previous week. All reporting sites were [normal](#) or higher for the time of year. Flows at 5 sites (9% of the total) were classed as [normal](#) for the time of year, 9 sites (16%) were [above normal](#), 8 sites (15%) were [notably high](#) and 33 sites (60%) were [exceptionally high](#) for the time of year. (Figure 2).

## Outlook

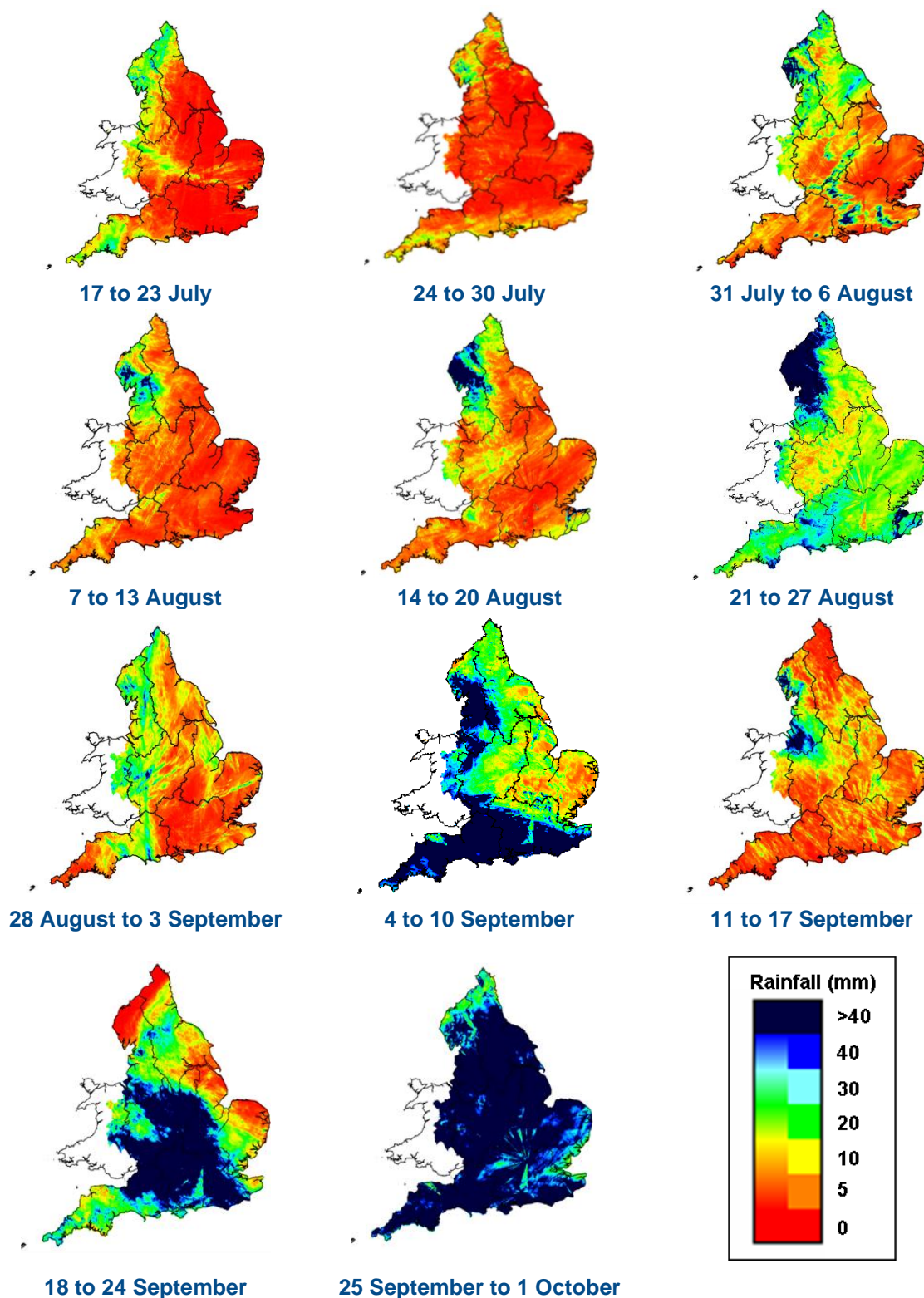
Thursday and Friday are expected to be mainly dry with the odd isolated shower possible, mainly in the south east. On Saturday conditions are expected to be dry in the east but wet in the west, before the rain moves eastwards overnight. Sunday will see patchy rain before showers arrive on Monday. Conditions are then expected to remain unsettled, with showers and longer spells or rain, for Monday and Tuesday.

Geographic regions	Latest Week: 25 Sep to 1 Oct 2024	Latest month to date: Oct 2024		Last month: Sep 2024		Last 3 months: Jul to Sep 2024		Last 6 months: Apr to Sep 2024		Last 12 months: Oct 2023 to Sep 2024	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
north-west	52	0.9	1	130	113	360	117	690	129	1,649	138
north-east	67	5	6	105	148	226	107	457	117	1,141	136
central	65	7	11	154	253	249	140	432	124	1,067	148
east	68	14	27	101	203	193	125	348	115	840	140
south-east	56	7	10	156	245	268	157	433	131	1,119	153
south-west	55	0.4	0	159	191	304	137	515	125	1,475	144
England	61	6	8	133	189	258	130	462	123	1,173	143

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

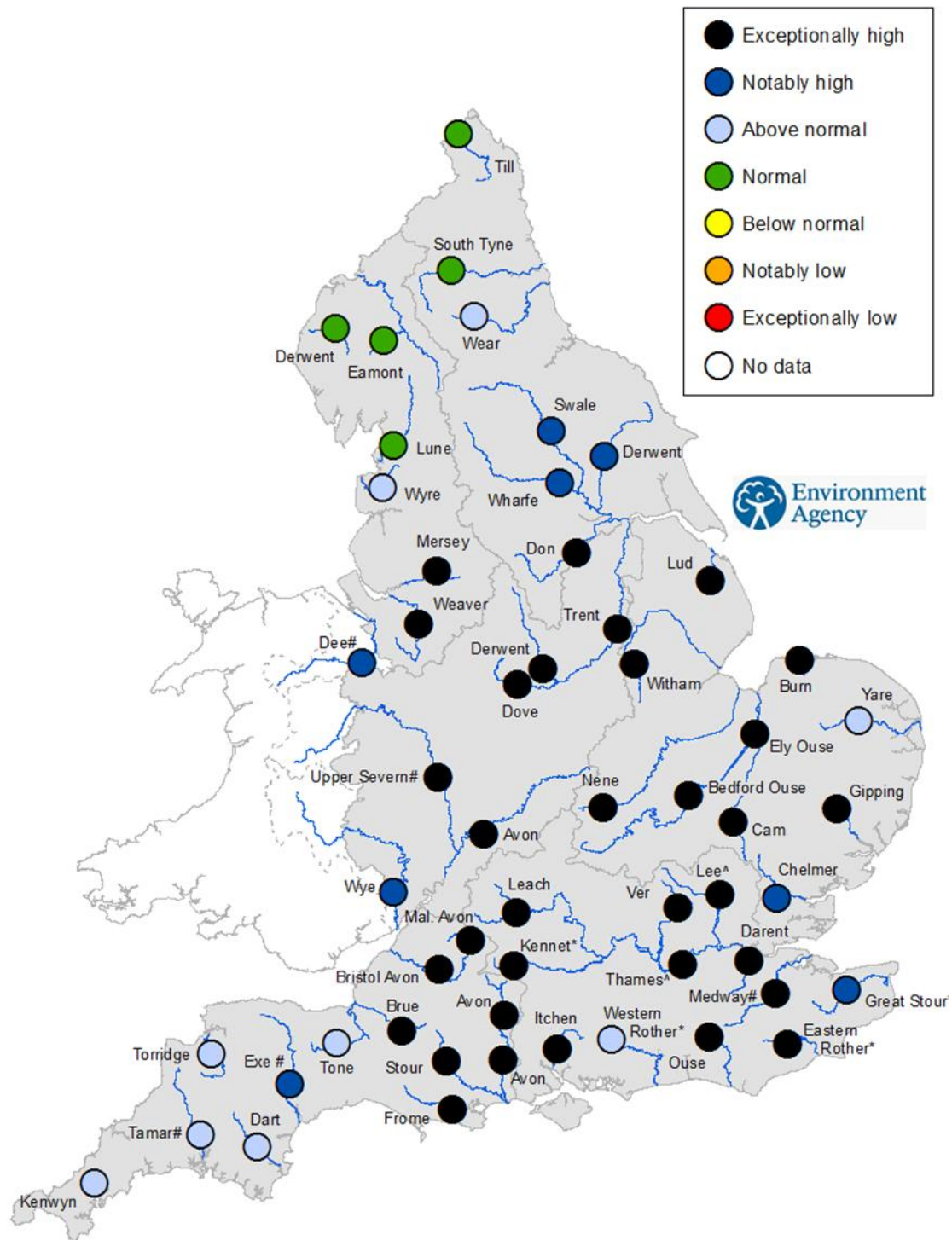
<sup>1</sup> Notes: LTA = long term average rainfall for 1961 – 1990. Data for the current month are calculated using MORECS (Met Office Rainfall and Evaporation Calculation System); data for past months are provisional values from the National Climate Information Centre (NCIC). The data are rounded 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.

# 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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