

# Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 4 December to Tuesday 10 December 2024

**Summary:** It has been a much wetter week across England compared to the previous week. River flows increased at the majority of our reporting sites, and all sites were classed as normal or higher for the time of year.

## Rainfall

It has been a much wetter week across England after Storm Darragh brought strong winds and heavy rain in many places. Rainfall totals ranged from 26mm in south-west England to 56mm in the north-west (Table 1, Figure 1). Many regions have already received more than half the long term average (LTA) rainfall for December. England as a whole has received 51% of the LTA. (Table 1).

## River flow

River flows increased at four-fifths of sites we report on compared to last week. All sites were classed as [normal](#) or higher for the time of year. Sixteen sites (29% of the total) were classed as [normal](#) for the time of year, while 20% (11 sites) were classed as [above normal](#). Another 16 sites (29%) were classed as [notably high](#), and the final 12 sites (22%) were [exceptionally high](#) for the time of year. (Figure 2).

## Outlook

On Thursday it will remain cold, with cloudy and drizzly weather in the east, and brighter skies to the west. From Friday through to Sunday, high pressure will continue to dominate, which will bring sunshine and overnight frost and fog. Later in the weekend, rain will begin to move into the north. Monday will be a largely cloudy but dry day, with milder temperatures.

Geographic regions	Latest Week: 04 to 10 Dec 2024	Latest month to date: Dec 2024		Last month: Nov 2024		Last 3 months: Sep to Nov 2024		Last 6 months: Jun to Nov 2024		Last 12 months: Dec 2023 to Nov 2024	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
north-west	56	66	53	84	68	341	94	641	100	1,551	130
north-east	53	61	74	46	55	238	104	404	94	1,012	121
central	35	39	54	74	112	311	165	437	120	997	138
east	33	36	66	51	89	209	131	327	104	750	125
south-east	30	35	46	83	112	322	155	453	123	1,019	139
south-west	26	30	25	127	119	419	145	591	121	1,417	139
England	38	43	51	76	93	300	131	459	110	1,082	132

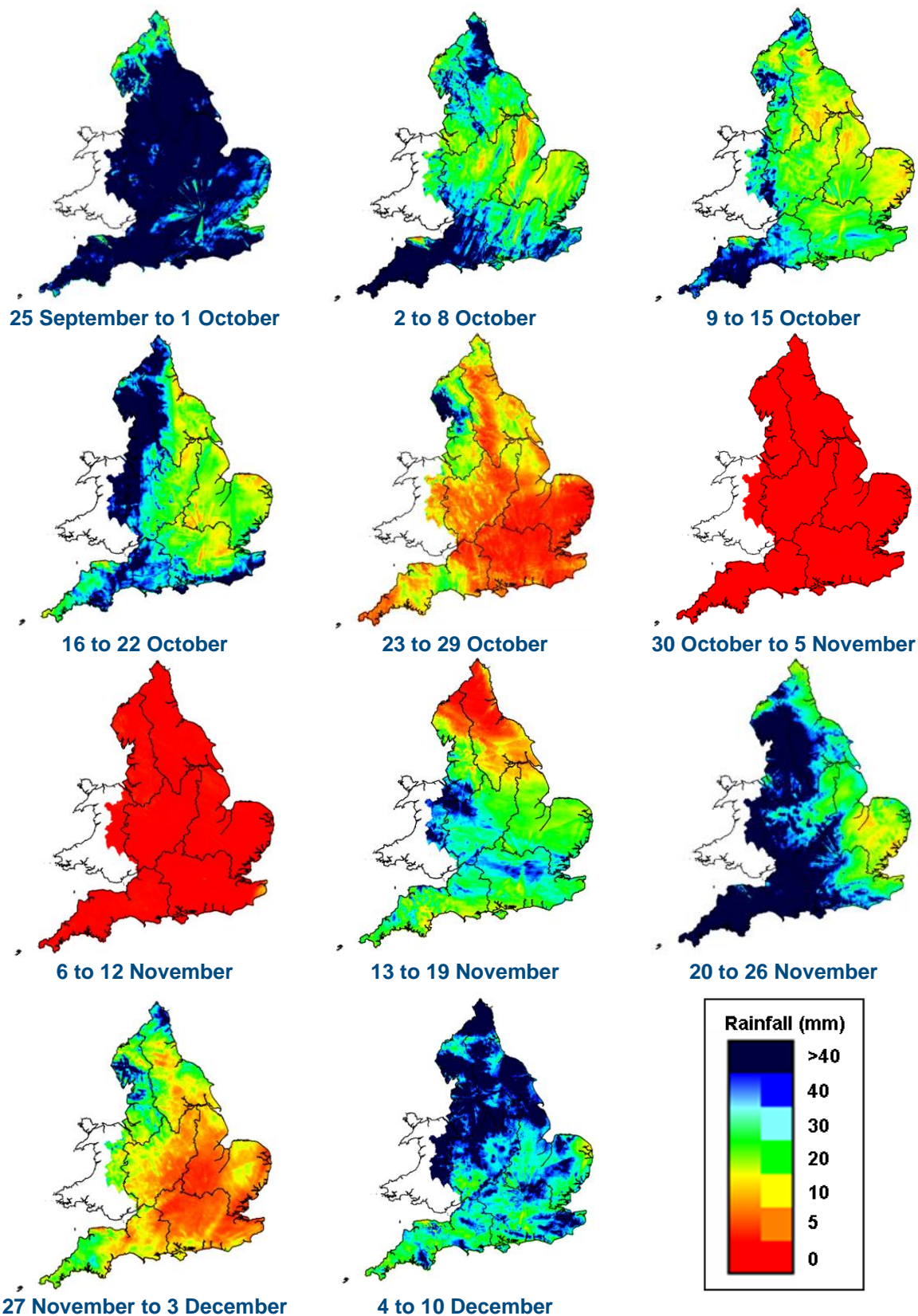
**Table 1** Latest rainfall summary information (Source: Met Office © Crown Copyright, 2024)<sup>1</sup>

<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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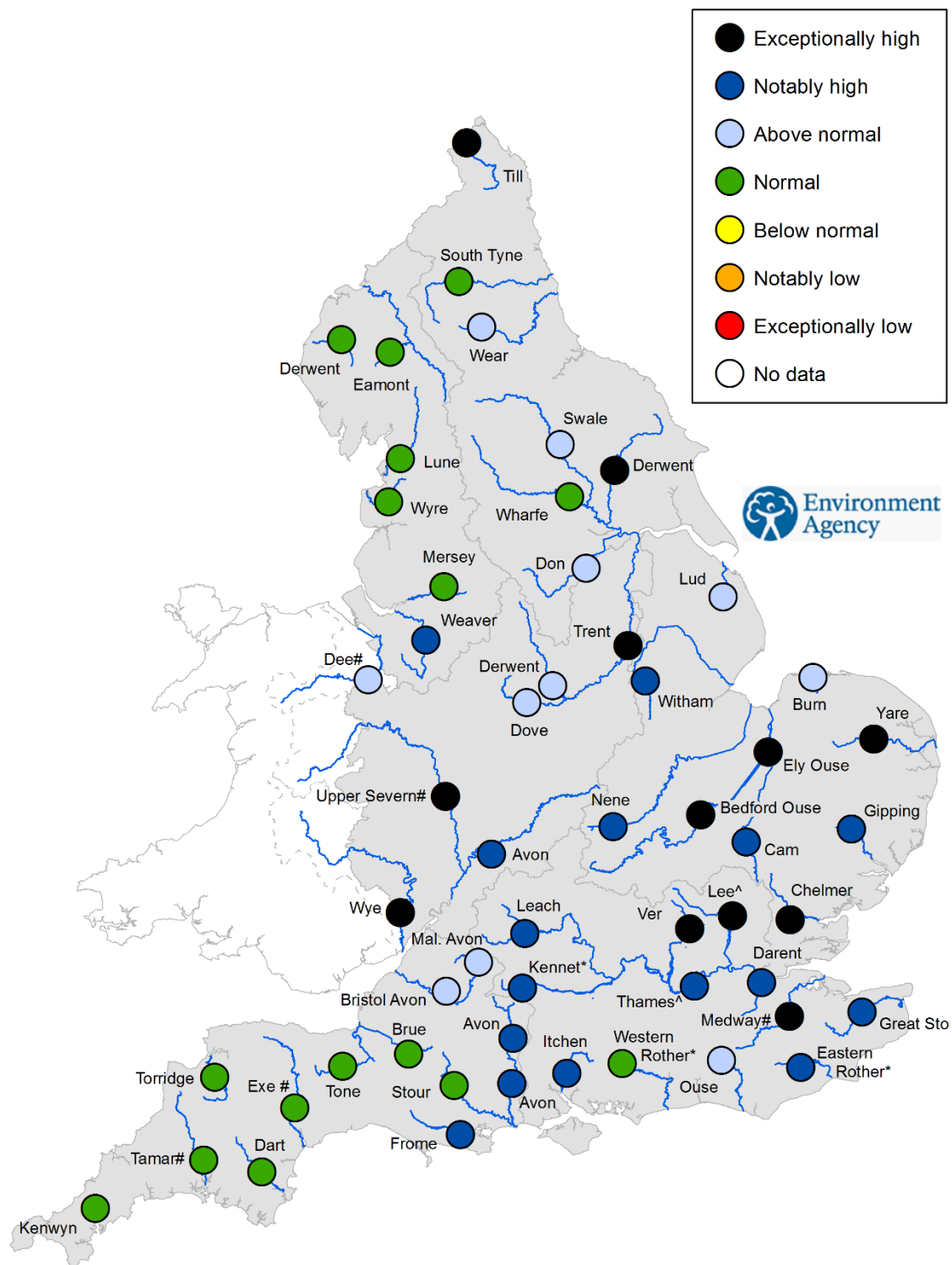


# Rainfall



**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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