

# Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 17 July to Tuesday 23 July 2024

**Summary:** It has been a dry week across much of England, although all of the country has already received more rain than we would expect for July as a whole. River flows decreased across majority of the country, but flows at all reporting sites remained classed as normal or above for the time of year.

## Rainfall

It has been a drier week across England with majority of the region receiving rainfall below 10mm except for the north-west and south-west England. Rainfall totals for the month to date ranged from 73mm in central England to 85mm in the north-east (Figure 1). All regions have already received more than the expected long term average (LTA) rainfall for the whole month (Table 1).

## River flow

River flows have decreased at all but 2 of reporting sites compared to the previous week, with river flows at all sites classed as normal or above for the time of year. Twenty three sites (42% of the total) were classed as [normal](#) and 19 sites (35%) were classed as [above normal](#) for the time of year. Flows at 9 sites (17% of the total) were classed as [notably high](#), and 3 sites (6%) were classed as [exceptionally high](#) for the time of year (Figure 2).

## Outlook

Thursday is forecast to bring spells of heavier rain moving along the south coast with showery conditions further north. Friday and into the weekend will be drier with sunny spells and showers, with risk of thunder for much of England on Saturday. Sunday is expected drier and warm in the south. On Monday, breezier conditions with more cloud and outbreaks of rain are expected to move in from the west.

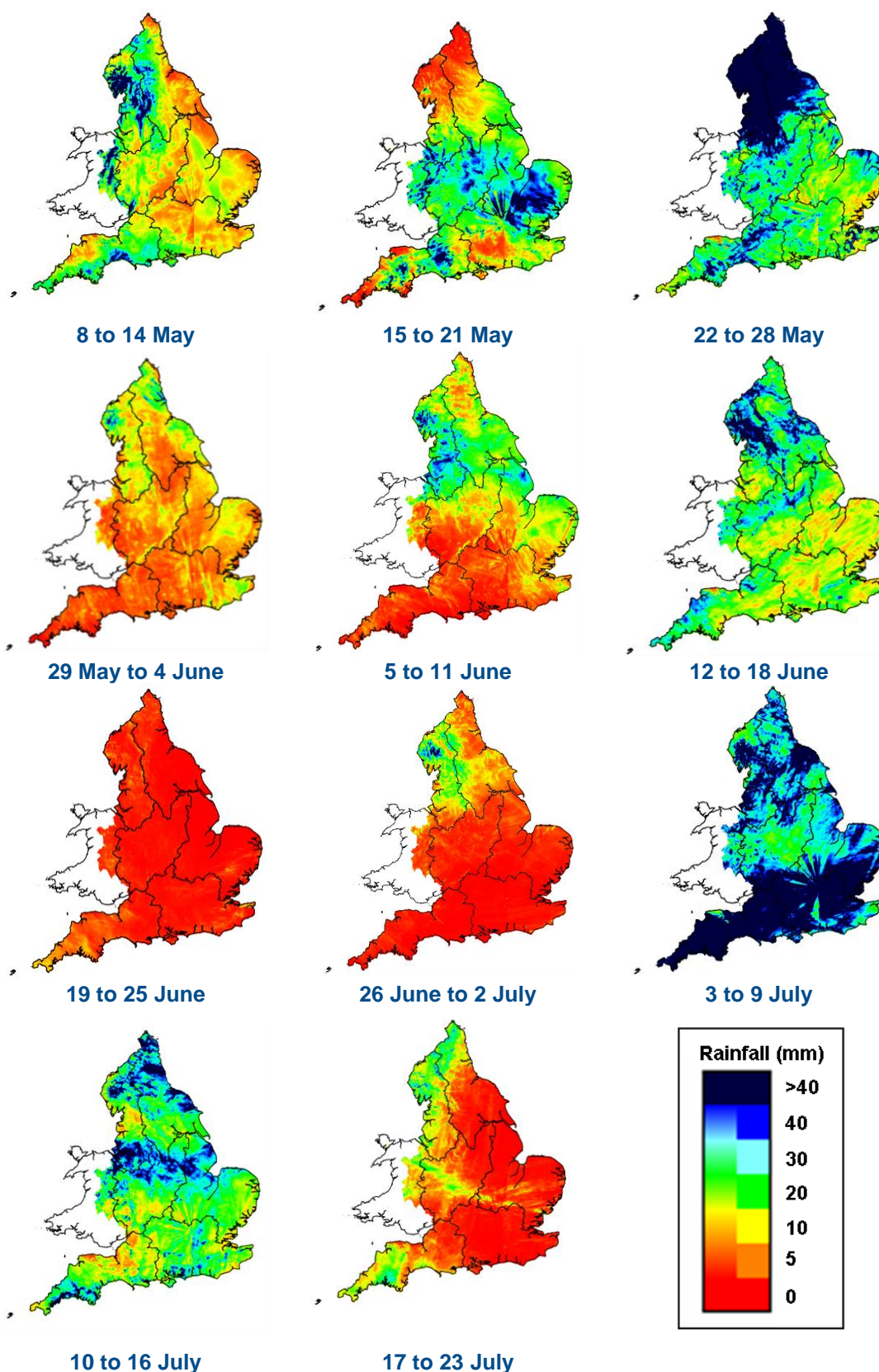
Geographic regions	Latest Week: 17 to 23 Jul 2024	Latest month to date: Jul 2024		Last month: Jun 2024		Last 3 months: Apr to Jun 2024		Last 6 months: Jan to Jun 2024		Last 12 months: Jul 2023 to Jun 2024	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
north-west	13	85	100	70	86	330	146	753	146	1,763	147
north-east	6	80	129	45	73	231	129	495	128	1,217	145
central	5	73	139	32	55	183	108	454	132	1,045	145
east	1	79	158	26	51	155	106	358	127	842	140
south-east	2	74	152	19	34	165	102	473	138	1,064	145
south-west	13	84	136	27	43	212	110	667	140	1,494	146
England	6	79	136	34	57	203	116	512	135	1,189	145

**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.

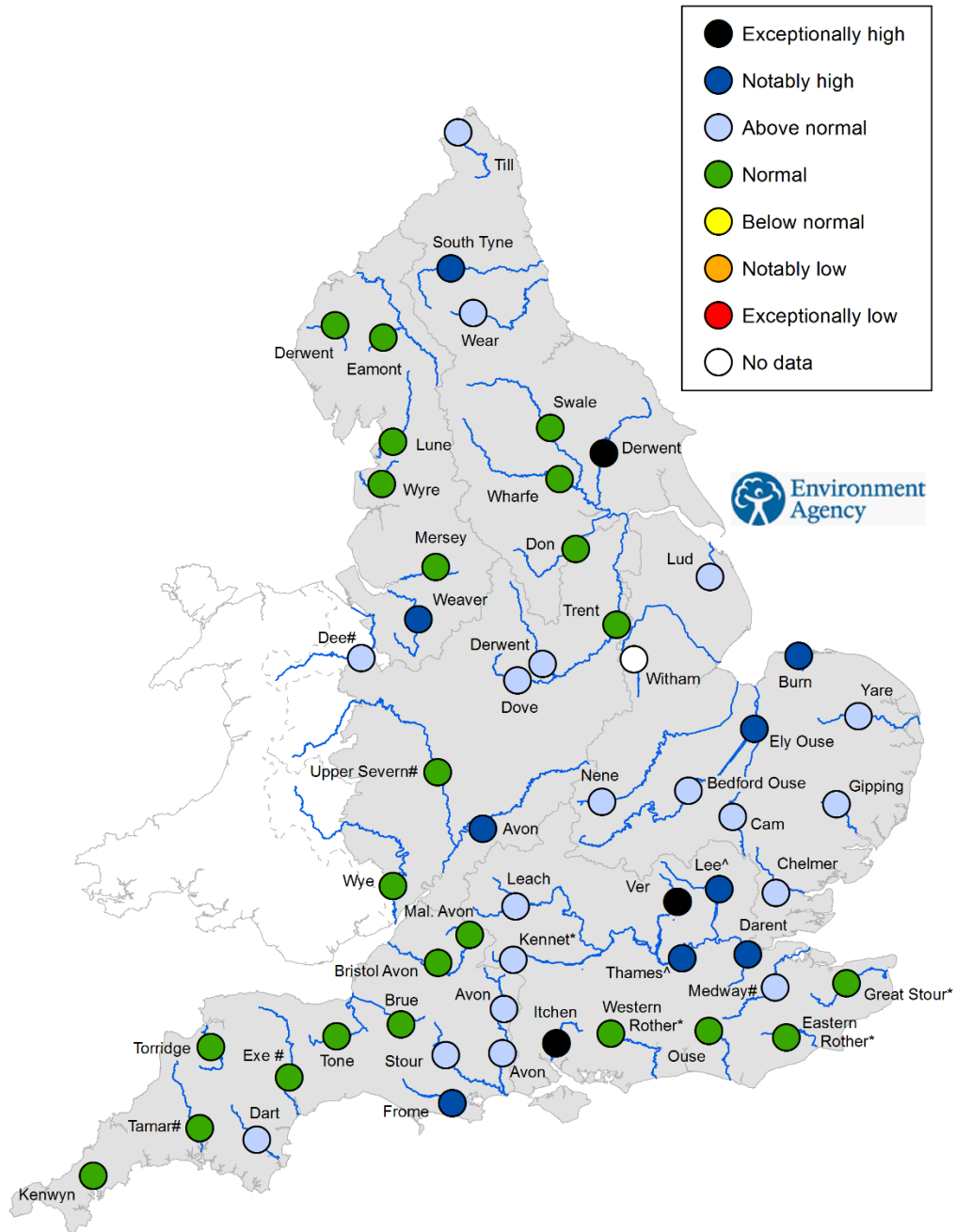
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# Rainfall



**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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