

# Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 24 April to Tuesday 30 April 2024

**Summary:** It has been wetter week across all of England. River flows at most sites were classed as above normal or higher for the time of year.

## Rainfall

It has been a wetter week across all of England compared to last week. Rainfall totals for the week ranged from 13mm in north-west England to 33mm in south-east England (Table 1, Figure 1). Rainfall totals for April have ranged from 124% of the long-term average in east England to 195% of the long-term average in north-west England (Table 1).

## River flow

River flows have increased at 54% of the sites we report and decreased at 46% since last week. Flows at most of reporting sites, 44 sites (80%) across England were classed as higher than normal. 14 sites (25%) were classed as [exceptionally high](#), 12 sites (22%) as [notably high](#) and 18 sites (33%) as [above normal](#) for the time of year. (Figure 2). No sites have reported flows [below normal](#) or lower.

## Outlook

The forecast for Thursday is for areas of rain across southern areas with risk of thunderstorms. It should be dry elsewhere with low cloud reforming in parts of north and east England. On Friday some heavy showers, potentially thundery, are forecast across central England though it should be mainly dry weather with sunny spells across south west England. The weekend will remain unsettled with rain and heavy showers, at times, but with sunnier spells from time to time. These conditions are likely to persist into Monday.

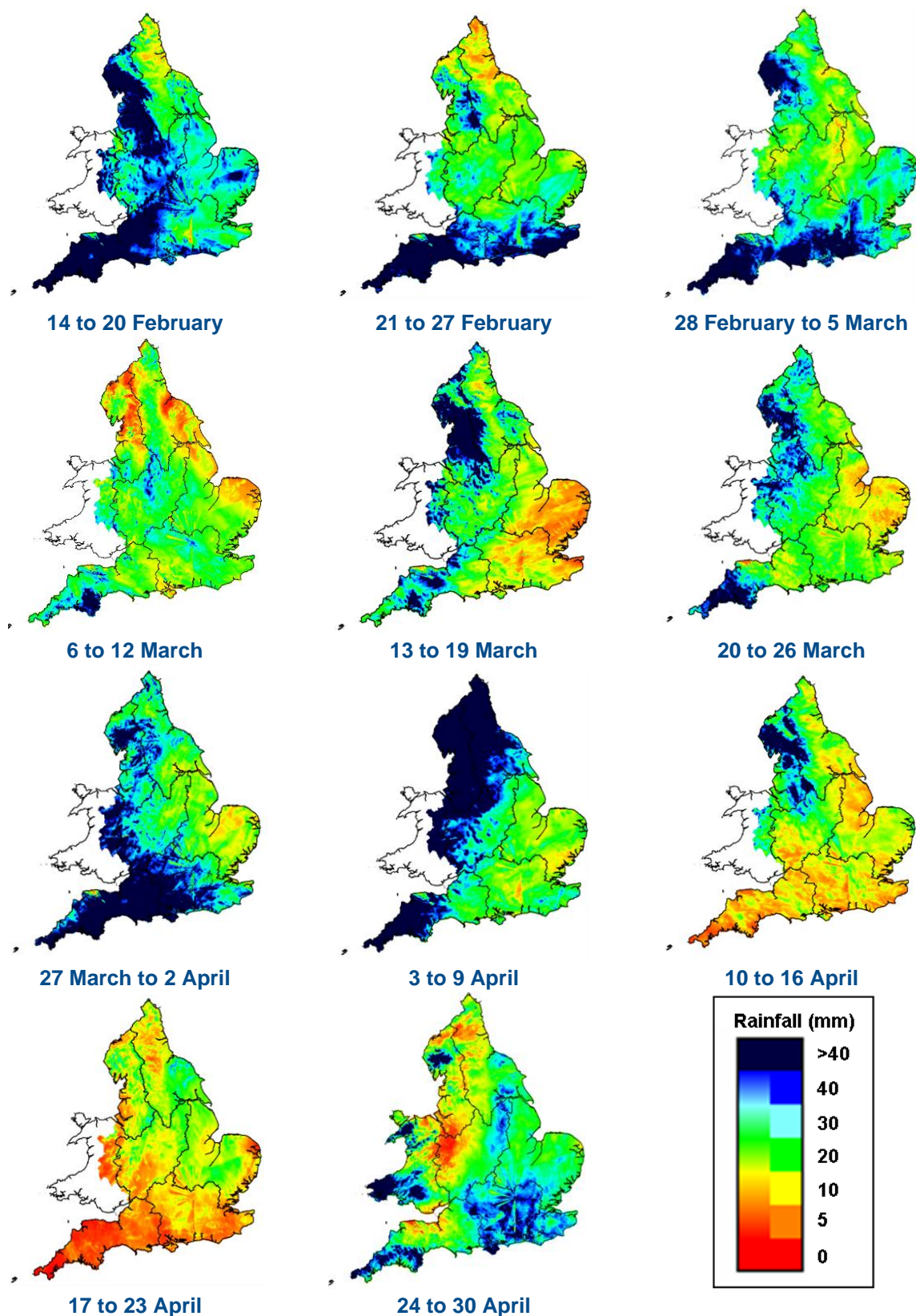
Geographic regions	Latest Week: 24 to 30 Apr 2024	Latest month to date: Apr 2024		Last month: Mar 2024		Last 3 months: Jan to Mar 2024		Last 6 months: Oct 2023 to Mar 2024		Last 12 months: Apr 2023 to Mar 2024	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
north-west	13	138	195	125	132	423	146	959	145	1,600	134
north-east	16	99	171	79	114	263	127	684	153	1,115	133
central	19	74	139	96	166	271	155	635	170	1,003	139
east	23	58	124	47	100	203	150	493	165	809	135
south-east	33	75	146	93	157	308	170	686	171	1,043	142
south-west	29	93	151	151	176	455	160	960	158	1,456	143
England	23	86	154	94	142	309	151	712	160	1,129	138

**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.

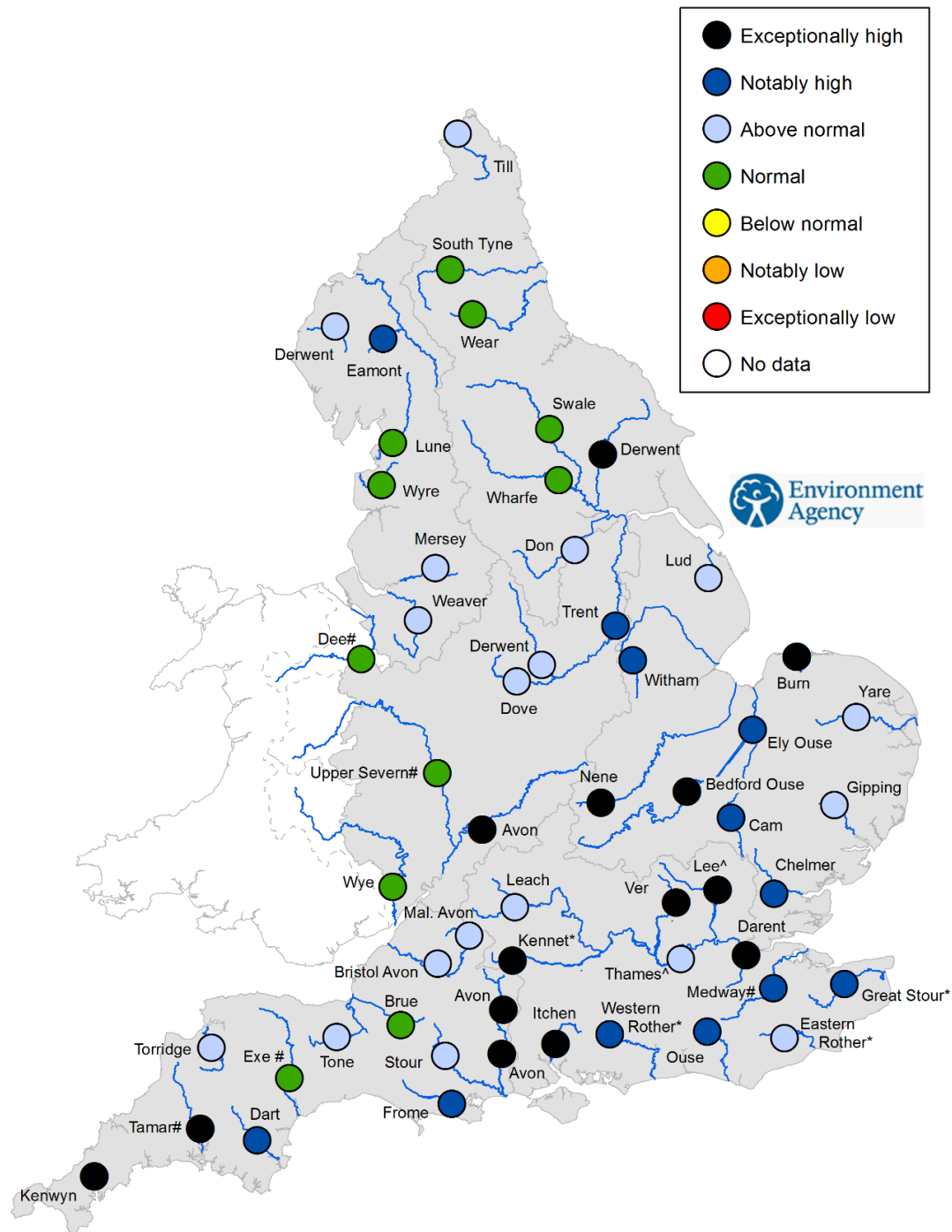
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# Rainfall



**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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