

# Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 2 to Tuesday 8 November 2016

**Summary: Wet weather has returned this week across England. River flows have increased at three-quarters of indicator sites, but remain below normal or lower for the time of year at the majority of sites.**

## Rainfall

The past week has seen a return to wetter weather across most of England, with the highest rainfall totals seen in south-east, north-east and north-west England (Table 1 and Figure 1). Rainfall totals range from 18mm in east England to 32mm in south-east England. Cumulative rainfall totals for November to date range from 20% of the long term average (LTA) in south-west England to 43% in south-east England (Table 1).

## River flow

River flows have increased at three-quarters of indicator sites across England compared to the previous week. The latest daily mean river flows remain [normal](#) or lower for the time of year at all except one of the sites, with the majority of indicator sites being [below normal](#) or lower for the time of year (Figure 2).

## Outlook

Thursday will see showers moving into western parts of England in the morning, dying out later in the day leading to a dry start on Friday. Frontal rain will then move in from the west later on Friday and in to Saturday. Showers are possible in south-west England early on Sunday, but most areas will become dry through the day. On Monday and Tuesday, some showers are possible in the west of England, but it will remain mostly dry especially in south and east England.

Author: [E&B Hydrology Team](#)

Geographic regions	Latest Week: 02 to 08 Nov 2016	Latest month to date: Nov 2016		Last month: Oct 2016		Last 3 months: Aug 2016 to Oct 2016		Last 6 months: May 2016 to Oct 2016		Last 12 months: Nov 2015 to Oct 2016	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
north-west	25	25	21	40	32	284	84	564	99	1,658	143
north-east	25	25	31	52	71	203	93	382	96	1,101	134
central	20	20	31	27	45	143	77	334	95	819	115
east	18	18	32	40	79	129	84	312	103	666	111
south-east	32	32	43	29	42	115	60	293	84	761	105
south-west	21	21	20	47	48	199	78	384	86	1,087	108
England	24	24	29	39	52	170	80	364	94	963	119

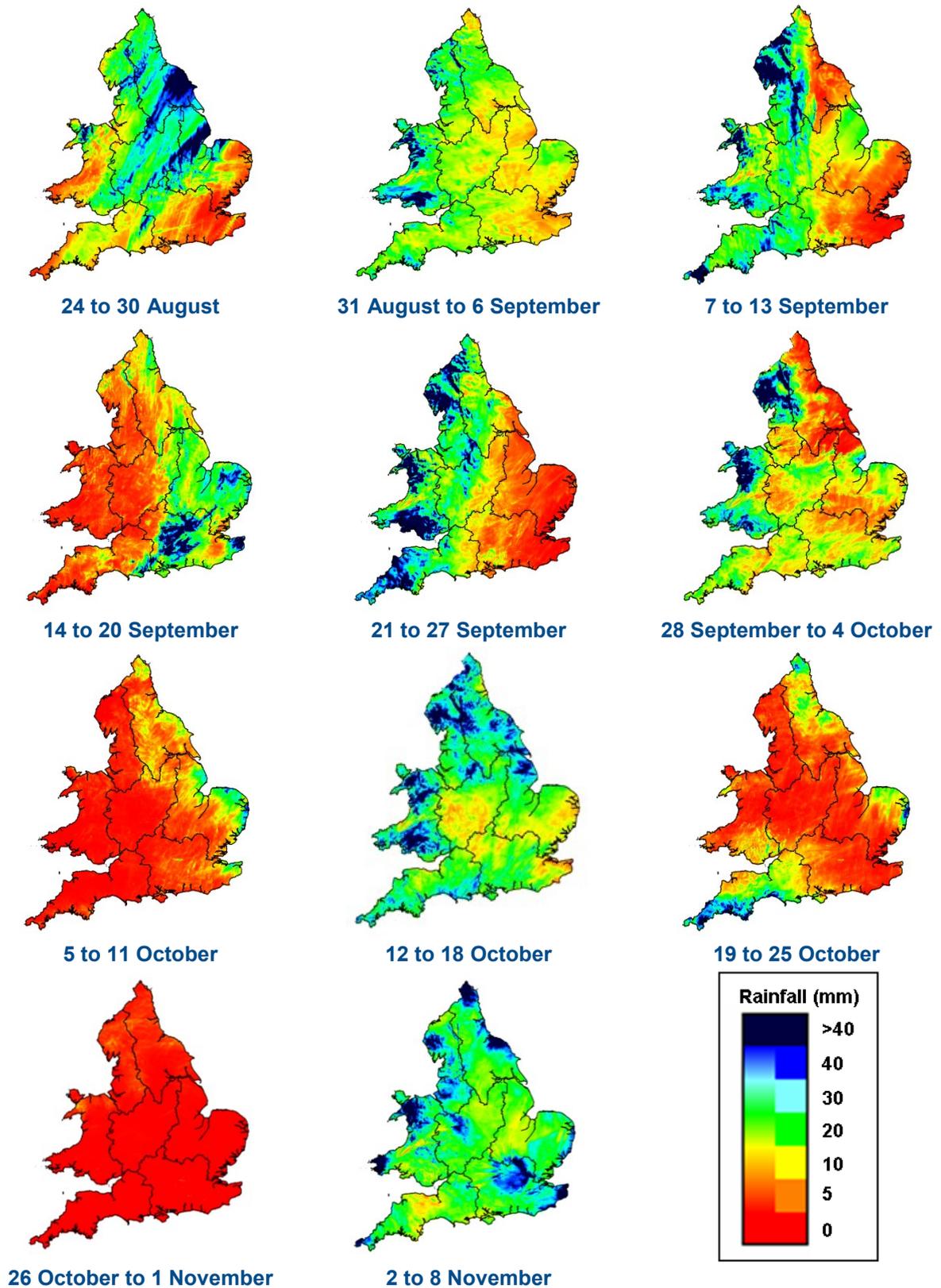
**Table 1** Latest rainfall summary information (Source: Met Office © Crown Copyright, 2016)<sup>1</sup>

<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 is 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.

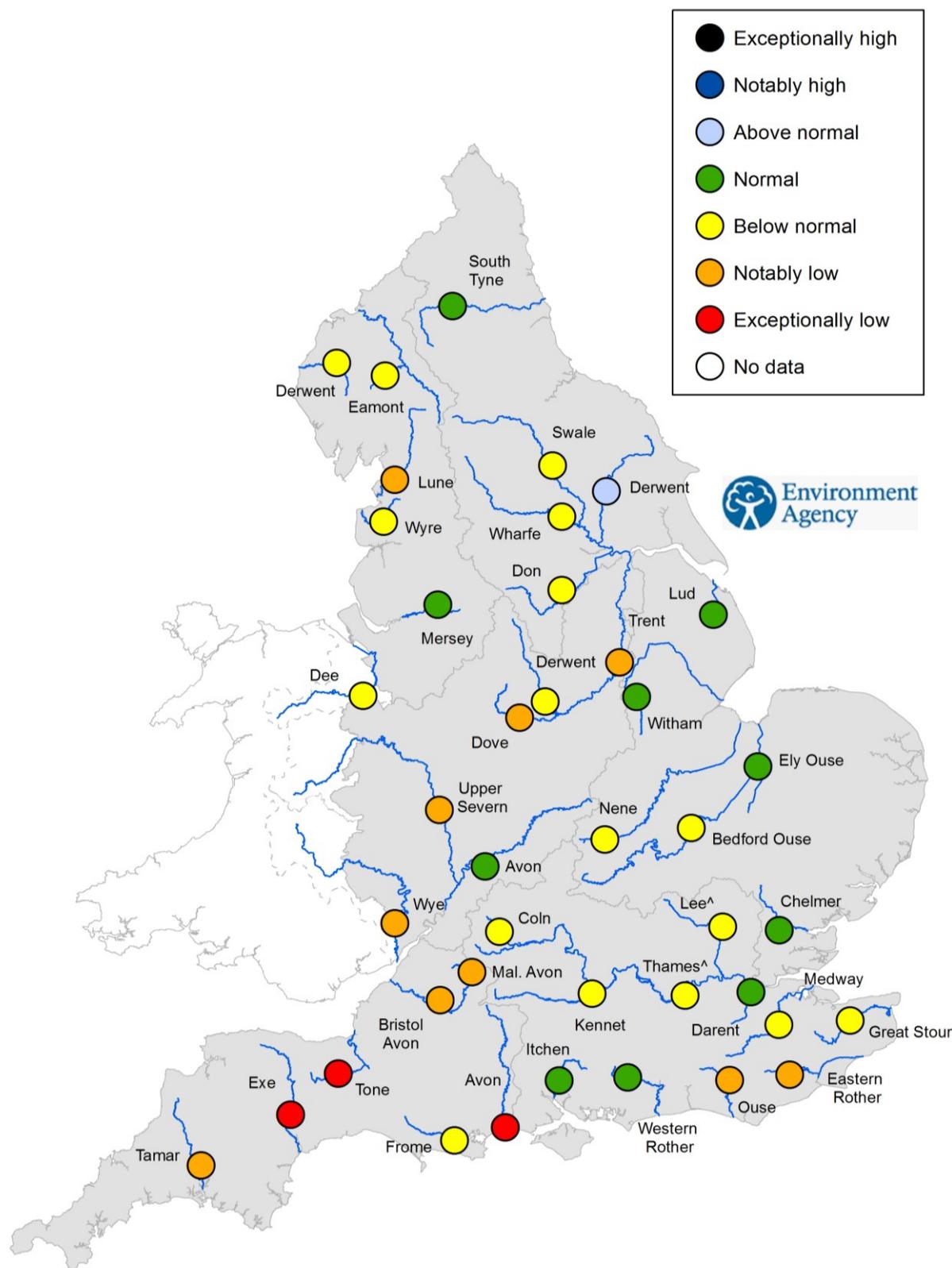
All data are provisional and may be subject to revision. The views expressed in this document are not necessarily those of the Environment Agency. Its officers, servants or agents accept no liability for any loss or damage arising from the interpretation or use of the information, or reliance upon views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

## Rainfall



**Figure 1** Weekly precipitation across England and Wales for the past 11 weeks. UKPP radar data (Source: Met Office © Crown Copyright, 2016). Note: Radar beam blockages may give anomalous totals in some areas. Crown copyright. All rights reserved. Environment Agency, 100026380, 2016.

# River flow



^ 'Naturalised' flows are provided for the Thames at Kingston and the Lee at Feildes Weir.

**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, 100026380, 2016.

<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.

## 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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