

Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 7 to Tuesday 13 December 2016

Summary: A wetter week than last week has seen river flows increase. The majority of sites are normal or below normal for the time of year.

Rainfall

The past week was wetter than the previous two weeks across England (Figure 1). Rainfall totals ranged from 10mm in south-east England to 24mm in north-west England. Cumulative rainfall totals for December range from 15% of the long term average (LTA) in south-east England to 28% in east England (Table 1).

River flow

River flows increased at the majority of reported sites across England compared to the previous week. The latest daily mean river flows are currently [normal](#) or lower for the time of year at all sites (Figure 2).

Outlook

Patchy rain on Wednesday will clear on Thursday. Outbreaks of light rain are likely in the west on Thursday and Friday. The weekend will be mostly dry and settled conditions will continue on Monday and Tuesday.

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

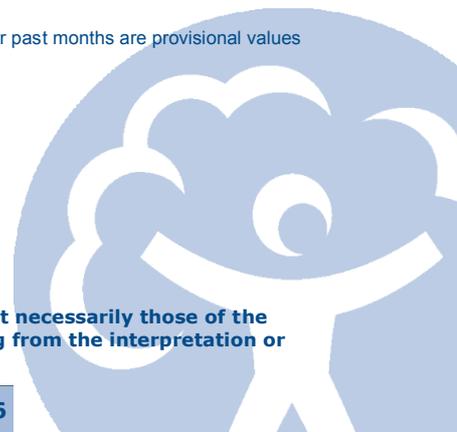
Geographic regions	Latest Week: 7 to 13 Dec 2016	Latest month to date: Dec 2016		Last month: Nov 2016		Last 3 months: Sep 2016 to Nov 2016		Last 6 months: Jun 2016 to Nov 2016		Last 12 months: Dec 2015 to Nov 2016	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
north-west	24	28	23	135	113	282	80	653	105	1,536	132
north-east	14	18	23	110	135	219	98	450	107	1,056	129
central	17	19	26	94	144	176	95	374	104	830	116
east	15	16	28	72	124	161	102	335	107	671	112
south-east	10	11	15	99	134	176	85	329	90	782	107
south-west	19	20	17	131	125	262	92	454	94	1,093	108
England	16	18	21	104	129	206	92	415	101	949	117

Table 1 Latest rainfall summary information (Source: Met Office © Crown Copyright, 2016)¹

¹ 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

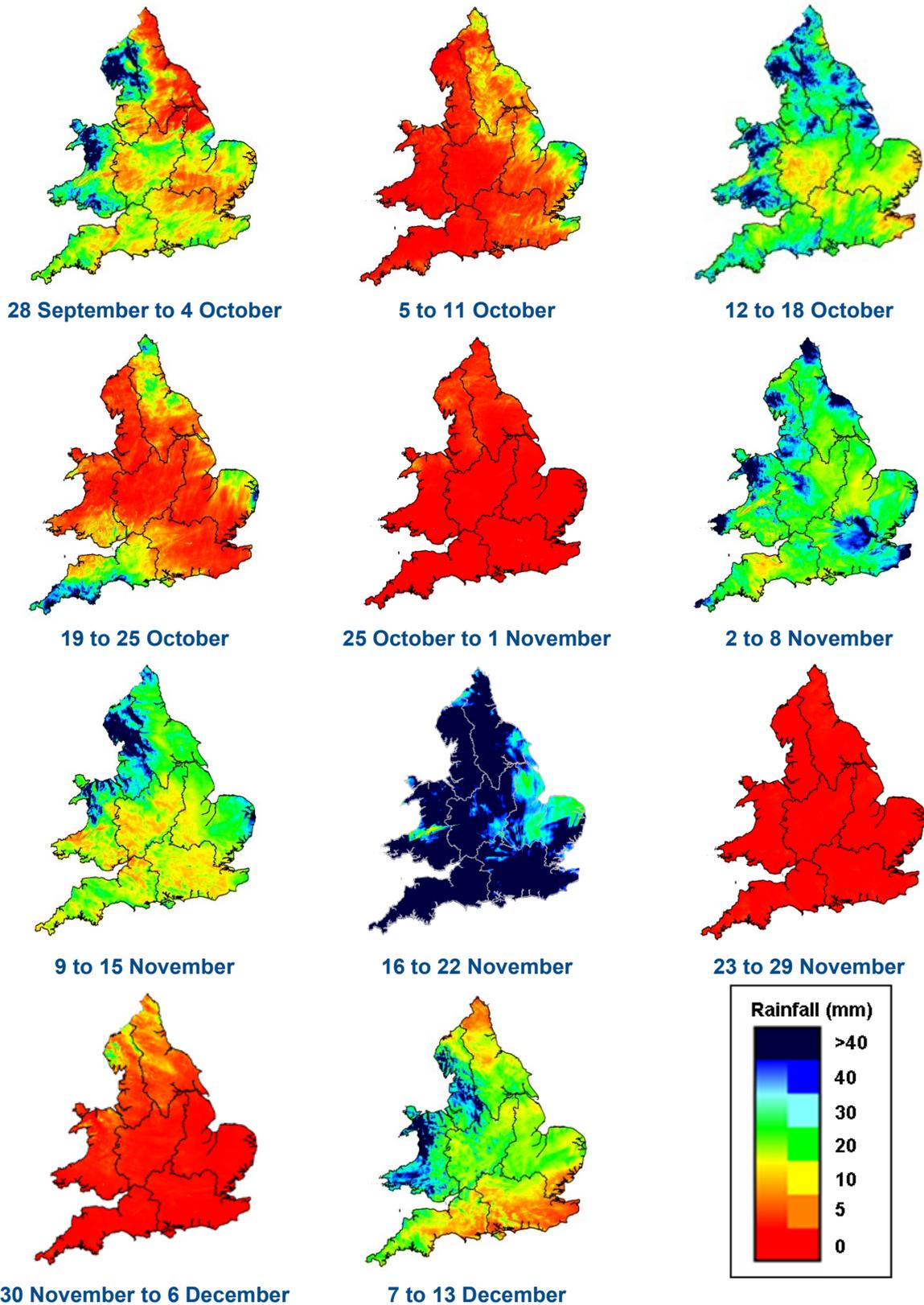
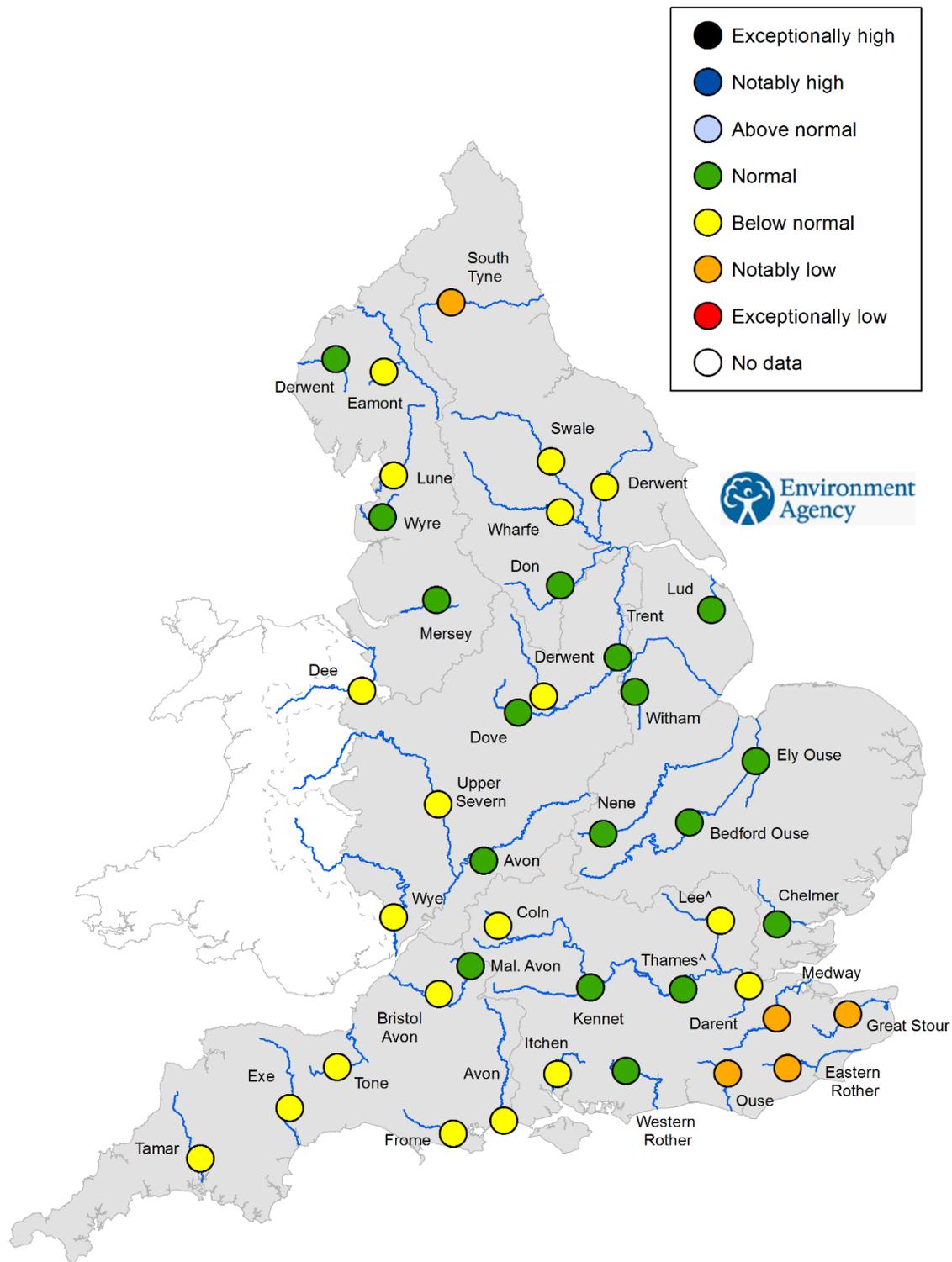


Figure 1 Weekly precipitation across England and Wales for the past 11 weeks. UKPP radar data (Source: Met Office © Crown Copyright, 2016). Note: Radar beam blockages may give anomalous totals in some areas. Crown copyright. All rights reserved. Environment Agency, 100026380, 2016.

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 year² (Source: Environment Agency). Crown copyright. All rights reserved. Environment Agency, 100026380, 2016.

²Flow 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

[Return to summary page](#)