

Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 16 to Tuesday 22 November 2016

Summary: Storm Angus brought wet weather to much of England. River flows have increased at all indicator sites.

Rainfall

The past week has been very wet across much of England (Figure 1). Rainfall totals ranged from 40mm in east England to 90mm in south-west England. Cumulative rainfall totals for November to date range from 107% of the long term average (LTA) in north-west England to 142% in central England (Table 1).

River flow

River flows increased at all reported sites across England compared to the previous week. The latest daily mean river flows are above normal or higher for the time of year at the majority of sites. The remaining sites were normal for the time of year (Figure 2).

Outlook

Light rain and showers affecting parts of southern England will clear by Thursday. Many areas will be dry until Sunday, when light rain may affect parts of north-east England. Monday and Tuesday will remain largely settled, although rain may affect the north-west later on Tuesday.

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Geographic regions	Latest Week: 16 to 22 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	63	128	107	40	32	284	84	564	99	1,658	143
north-east	52	101	124	52	71	203	93	382	96	1,101	134
central	57	93	142	27	45	143	77	334	95	819	115
east	40	73	126	40	79	129	84	312	103	666	111
south-east	53	99	134	29	42	115	60	293	84	761	105
south-west	90	132	126	47	48	199	78	384	86	1,087	108
England	58	101	126	39	52	170	80	364	94	963	119

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.

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Rainfall

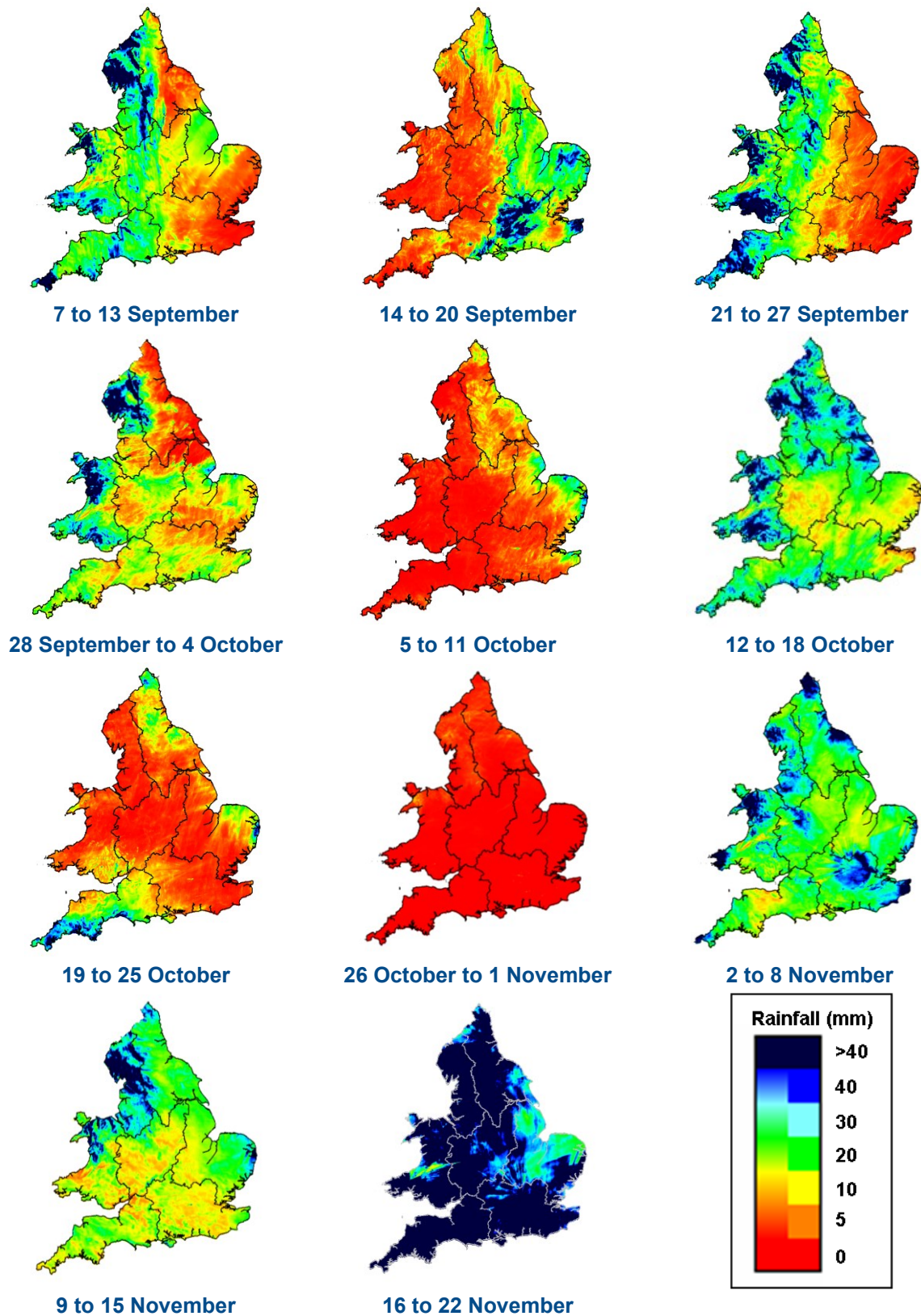
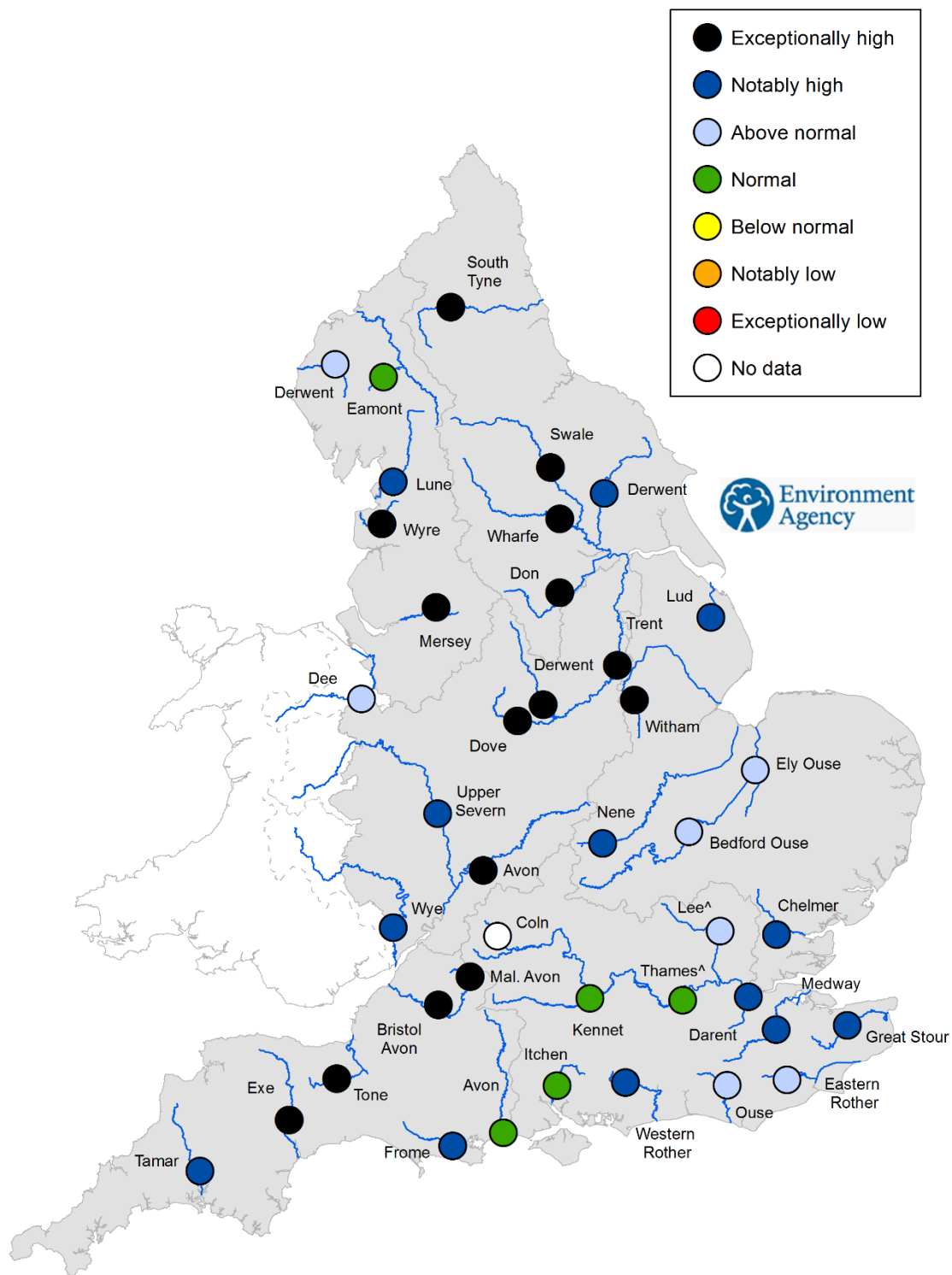


Figure 1 Weekly precipitation across England and Wales for the past 11 weeks. UKPP radar data (Source: Met Office © Crown Copyright, 2016). Note: Radar beam blockages may give anomalous totals in some areas. Crown copyright. All rights reserved. Environment Agency, 100026380, 2016.

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](#)