

# Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 21 to Tuesday 27 September 2016

**Summary:** East and south-east England have been dry, with wetter weather in south-west, central and north England. River flows are mostly normal for the time of year.

## Rainfall

Over the past week east and south-east England have been dry, with the remainder of the country experiencing wetter weather. Rainfall totals range from 2 mm in east England to 29 mm in north-west England (Table 1 and Figure 1). Cumulative rainfall totals for September to date range from 72% of the long term average (LTA) in north-east England to 96% in south-west England (Table 1).

## River flow

River flows have increased at approximately two-thirds of our indicator sites in England compared to the previous week. The latest daily mean flows are [normal](#) for the time of year at the majority of our indicator sites, with two sites [above normal](#) for the time of year and six sites [below normal](#) (Figure 2).

## Outlook

After a brief spell of heavy rain on Thursday morning, blustery showers will move in later on Thursday into Friday, most frequent over north England. Saturday will see showery weather as low pressure moves east across the country. Sunday and into Monday will be dry for most parts of England as high pressure dominates, but later on Monday a frontal system moving into far western parts may bring some rain. Tuesday is likely to be dry, especially in east and south-east England.

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Geographic regions	Latest Week: 21 to 27 Sep 2016	Latest month to date: Sep 2016		Last month: Aug 2016		Last 3 months: Jun 2016 to Aug 2016		Last 6 months: Mar 2016 to Aug 2016		Last 12 months: Sep 2015 to Aug 2016	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
north-west	29	83	75	138	133	371	140	600	120	1,630	140
north-east	15	50	72	94	124	231	118	432	114	1,107	135
central	15	53	87	60	94	198	114	399	117	827	116
east	2	43	87	40	73	174	112	354	119	669	112
south-east	3	49	77	37	64	153	96	355	109	803	110
south-west	26	79	96	68	91	192	97	406	99	1,097	109
England	14	57	82	68	98	209	113	411	113	972	120

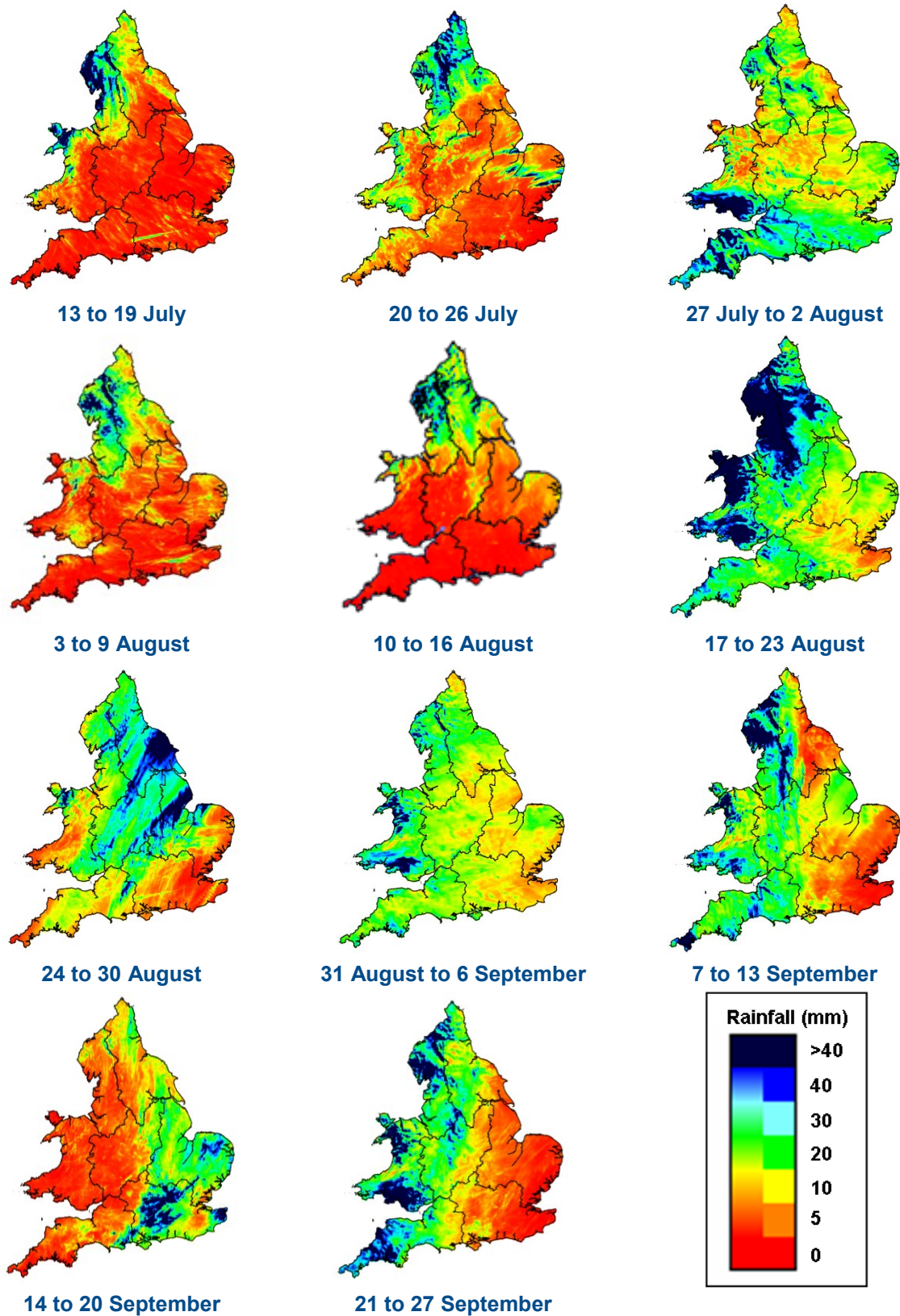
**Table 1:** Latest rainfall summary information (Source: Met Office © Crown Copyright, 2016)<sup>1</sup>

<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.

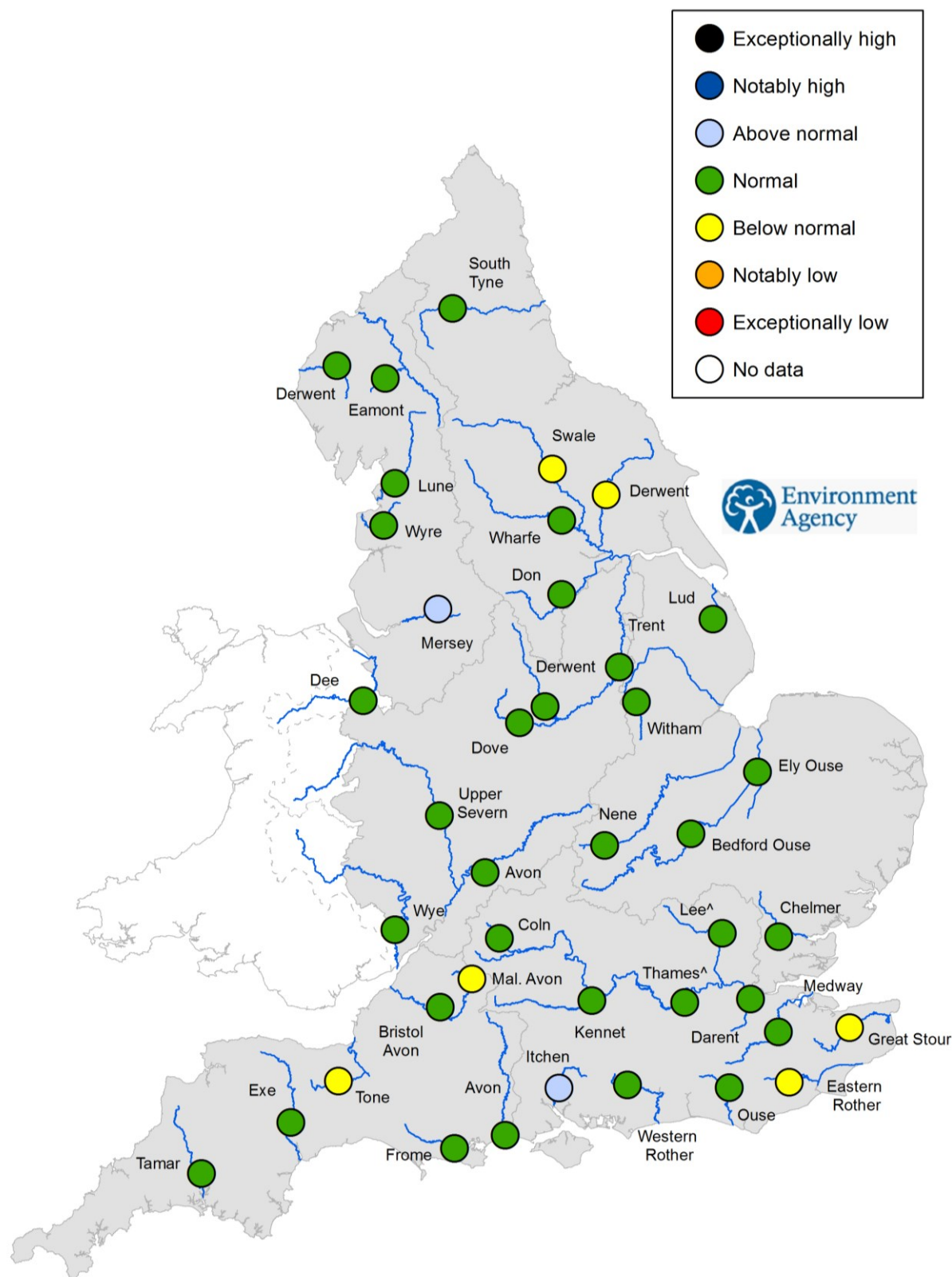
**All data are provisional and may be subject to revision. The views expressed in this document are not necessarily those of the Environment Agency. Its officers, servants or agents accept no liability for any loss or damage arising from the interpretation or use of the information, or reliance upon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