

# Weekly rainfall and river flow summary

## Weekly bulletin: Wednesday 6 to Tuesday 12 July 2016

**Summary:** The past week has again been wet in the north-west. River flows remain mostly normal or higher for the time of year.

### Rainfall

The past week has again been wet in north-west England, but drier for much of the rest of England especially in the south-west. Rainfall totals range from 7mm in south-west England to 31mm in north-west England (Table 1 and Figure 1). Cumulative rainfall totals for the month to date range from 20% of the July long term average (LTA) in south-west England to 56% in north-west England (Table 1).

### River flow

River flows have increased at just over half of our indicator sites compared to last week, particularly those located in northern England. The latest daily mean flows are [normal](#) or higher for the time of year at all but one of our sites (Figure 2).

### Outlook

Thursday will be dry across most of England. On Friday a warm front pushes in from the Atlantic bringing mainly light rain for north-west England. The following cold front is expected to move slowly southwards across England over the weekend bringing some showery rain in places. On Monday and Tuesday further spells of light rain are expected, mainly in north and west England, with mostly dry weather elsewhere.

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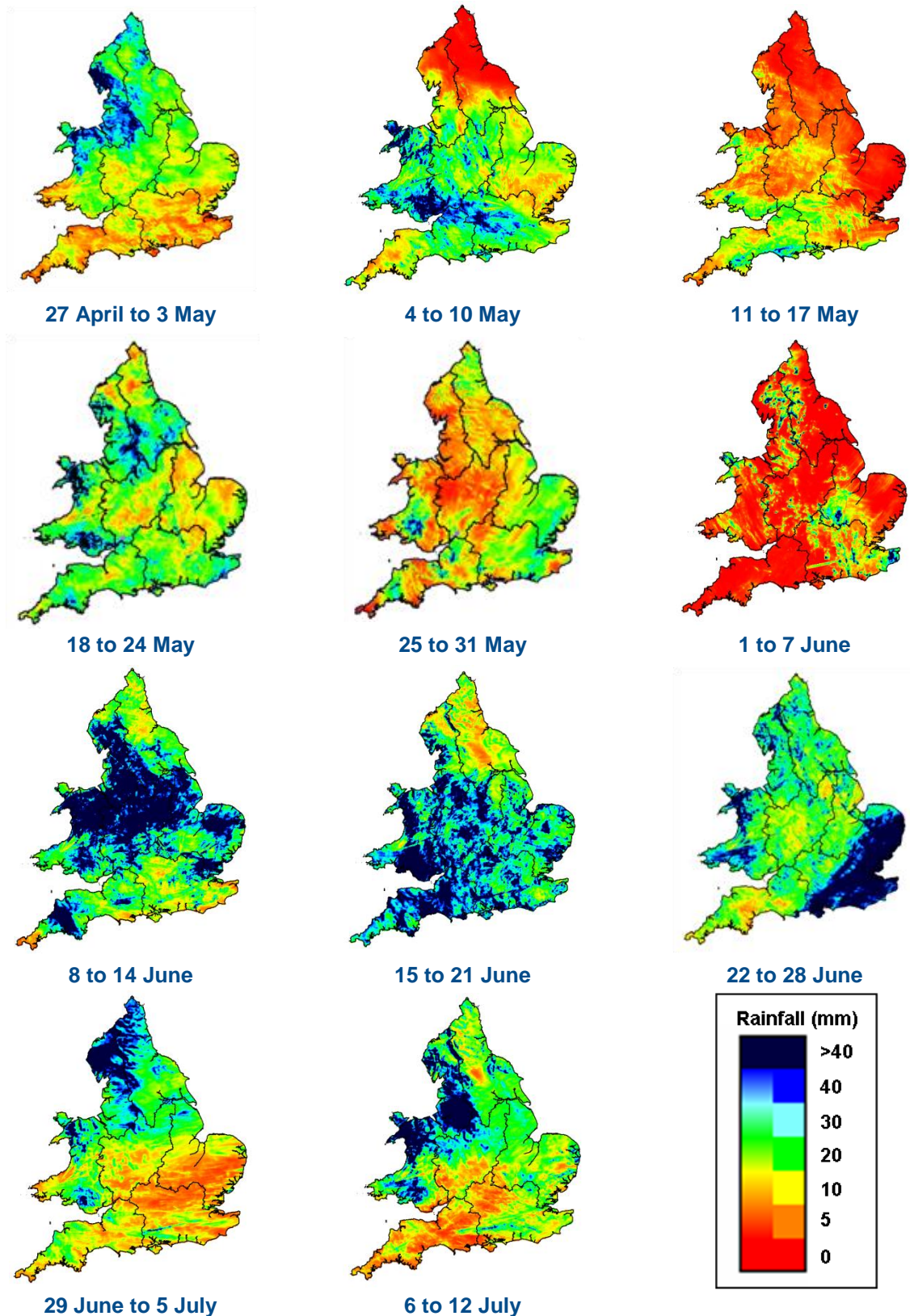
Geographic regions	Latest Week: 6 to 12 Jul 2016	Latest month to date: Jul 2016		Last month: Jun 2016		Last 3 months: Apr 2016 to Jun 2016		Last 6 months: Jan 2016 to Jun 2016		Last 12 months: Jul 2015 to Jun 2016	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
north-west	31	46	56	129	164	274	124	694	139	1,599	138
north-east	17	31	51	80	135	203	115	505	133	1,142	139
central	20	24	47	106	184	226	134	466	136	879	123
east	14	18	37	102	200	211	145	385	137	743	124
south-east	11	14	29	95	176	213	134	474	140	908	125
south-west	7	12	20	100	160	213	112	604	128	1,235	122
England	16	23	40	101	170	220	127	505	135	1,040	129

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

<sup>1</sup> Notes:

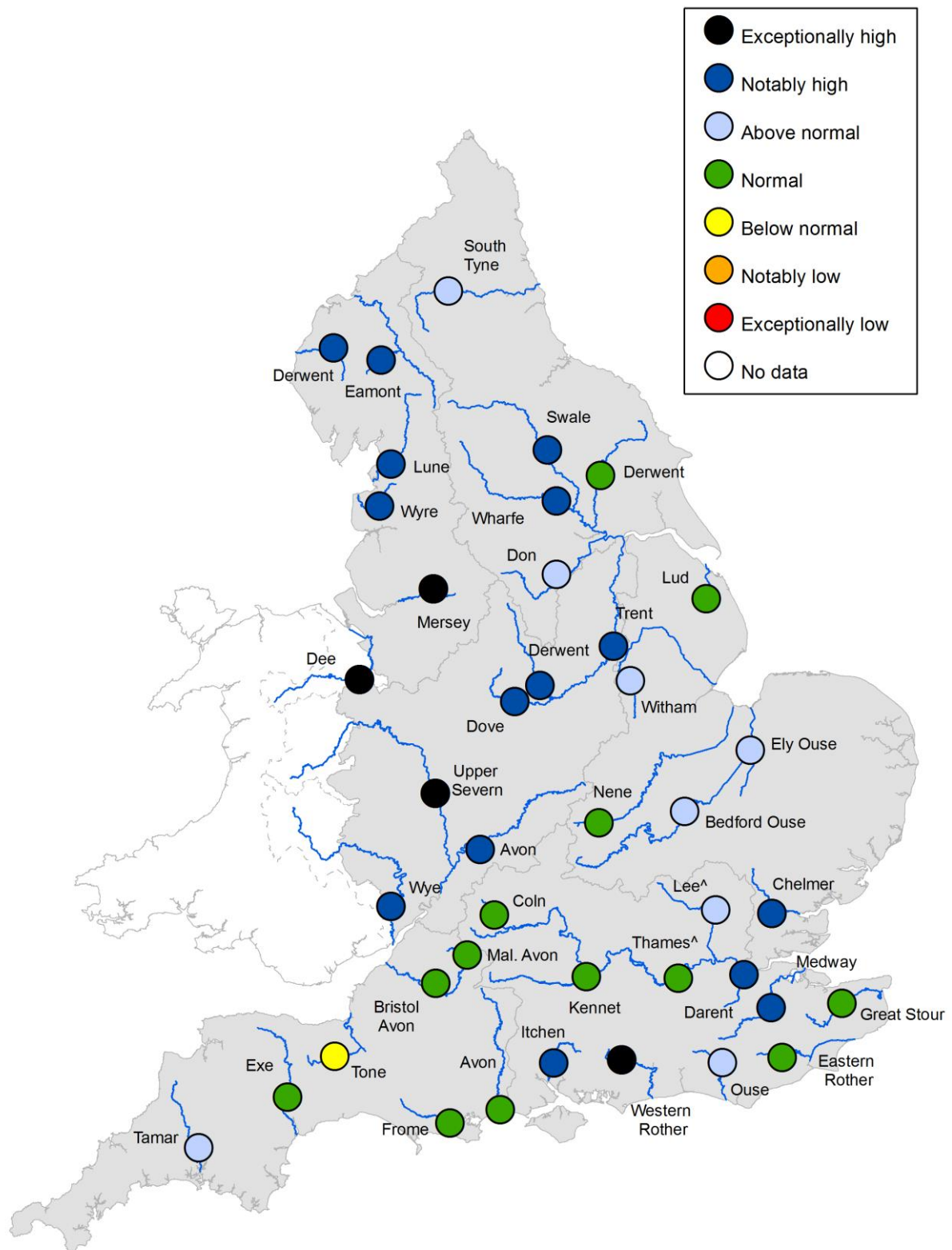
- LTA = long term average rainfall for 1961 – 1990.
- Data for the current month are calculated using MORECS (Met Office Rainfall and Evaporation Calculation System); data for past months are provisional values from the National Climate Information Centre (NCIC).
- The data is rounded to the nearest 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.



**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

[Return to summary page](#)