

# Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 26 August to Tuesday 01 September 2015

## Summary

It has been another wet week across much of England, especially in south-east England. Cumulative rainfall totals for August were above the August long term average (LTA) across England, and were nearly double the LTA in south-west England. River flows are **normal** or higher for the time of year at all but 3 of our indicator sites.

- Rainfall totals for the past week range from 11mm in north-east England to 37mm in south-east England (Table 1 and Figure 1).
- Cumulative rainfall totals for August ranged from 108% of the August long term average (LTA) in north-west England to 191% in south-west England (Table 1).
- River flows have decreased at just over half of our indicator sites over the past week. The latest daily mean flows are currently **normal** or higher for the time of year at all but 3 of our indicator sites, with over half of sites **above normal** or higher for the time of year (Figure 2).

## Outlook

Thursday will see some scattered showers across much of England, with some more persistent rain or frequent showers in North Sea coastal areas. This rain will continue into Friday across East Anglia before clearing later in the day, with the rest of England remaining mostly settled. There may be some light rain or drizzle on Saturday but this is expected to clear later, leaving mostly settled conditions for the rest of the day and continuing for Sunday and into next week.

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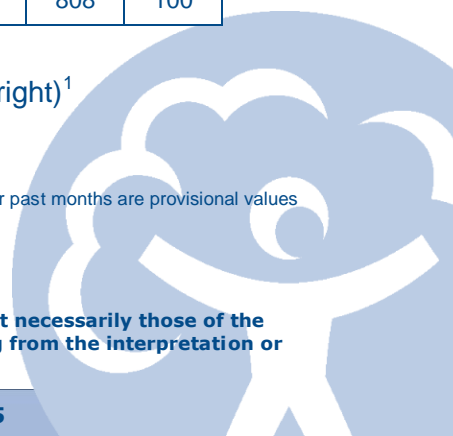
Geographic regions	Latest Week: 26 Aug - 01 Sep '15	Latest month to date: Sep '15		Last month: Aug '15		Last 3 months: Jun '15 - Aug '15		Last 6 months: Mar '15 - Aug '15		Last 12 months: Sep '14 - Aug '15	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
north-west	22	8	7	112	108	268	101	562	113	1224	105
north-east	11	1	2	92	122	221	113	411	108	803	98
central	24	4	6	80	124	178	103	322	94	678	95
east	22	1	2	66	120	168	108	269	91	585	98
south-east	37	2	3	101	176	192	120	299	92	742	102
south-west	18	0.2	0.2	144	191	287	145	438	107	1020	101
England	22	3	4	97	140	214	115	368	101	808	100

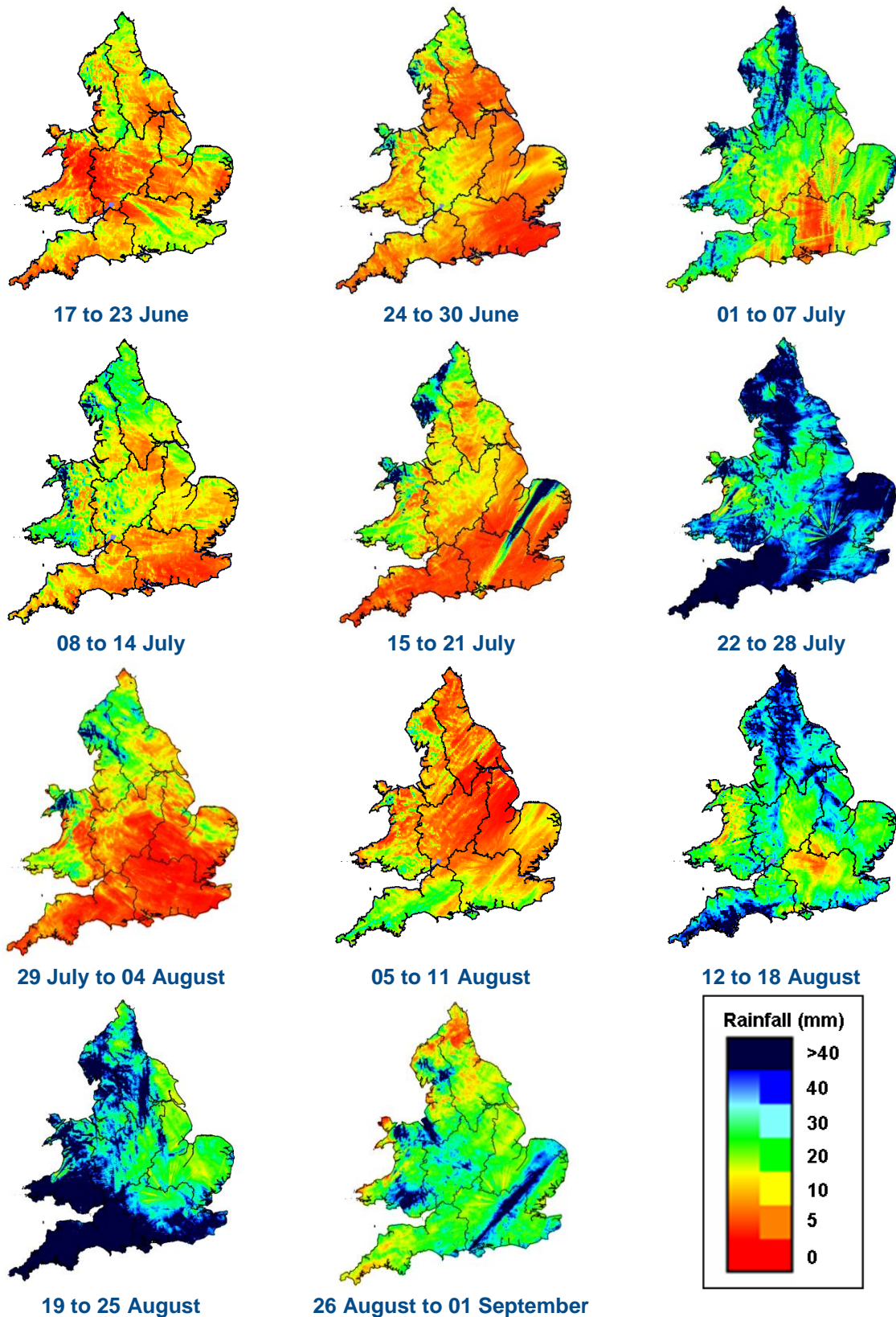
**Table 1:** Latest rainfall summary information (Source: Met Office © Crown Copyright)<sup>1</sup>

<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.

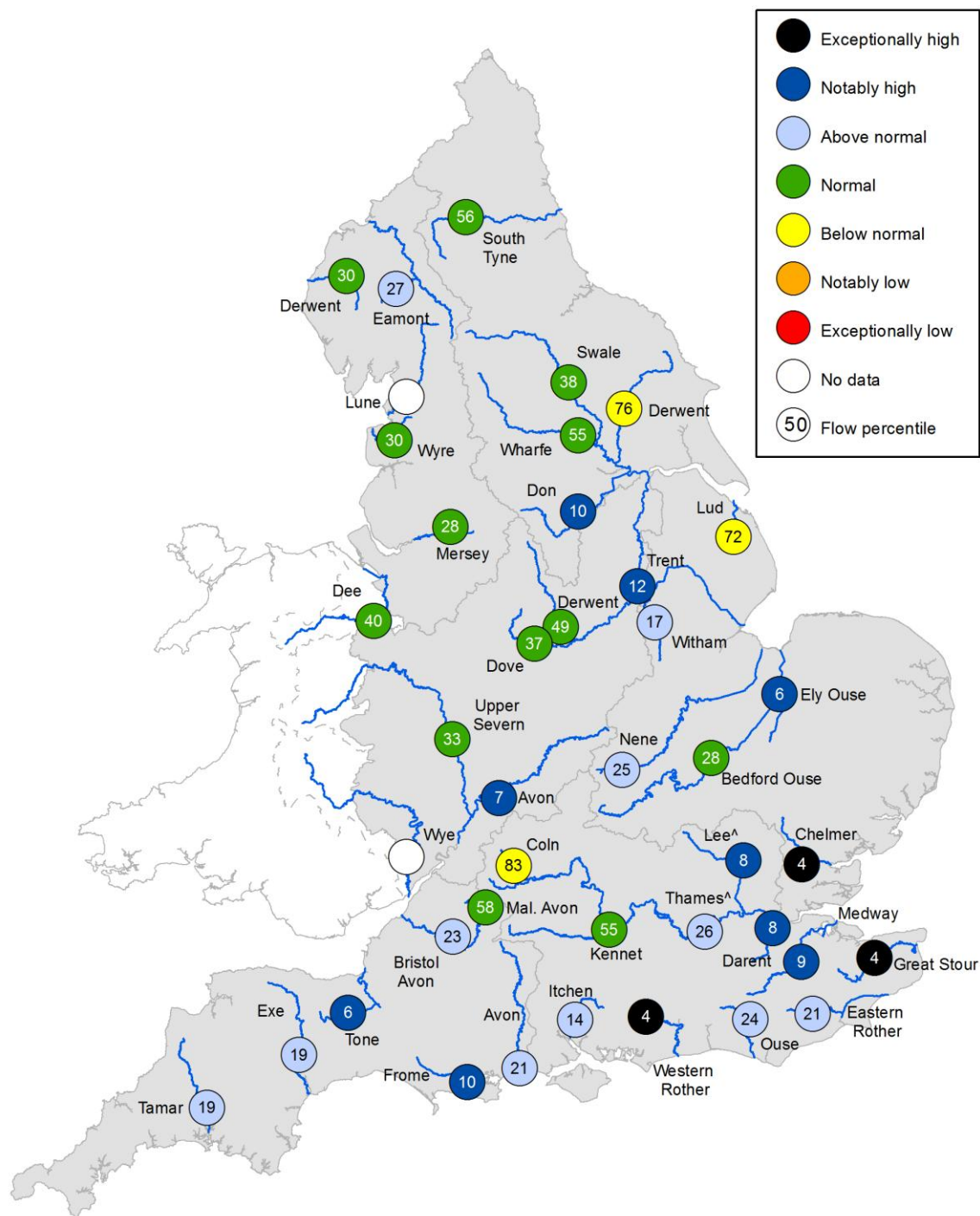
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**Figure 1:** Weekly precipitation across England and Wales for the past 11 weeks. UKPP radar data (Source: Met Office © Crown Copyright, 2015). Note: Radar beam blockages may give anomalous totals in some areas. Crown copyright. All rights reserved. Environment Agency, 100026380, 2015.

# 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 for the same time of year, expressed as a percentile<sup>2</sup> (Source: Environment Agency). Crown copyright. All rights reserved. Environment Agency, 100026380, 2015.

<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. For example, a flow percentile of 5 indicates that the current flow has only been equalled or exceeded approximately 5% of the time within the historic record for that time of year – i.e. a very high flow. A flow percentile of 95 indicates that the current flow has been equalled or exceeded approximately 95% of the time – i.e. a low flow. Flow percentiles presented relate to an analysis for the time of year and not a whole year.