

# Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 2 to Tuesday 8 September 2015

## Summary

It has been a dry week across the whole of England. River flows have decreased at all of our indicator sites and are **normal** or higher for the time of year at three quarters of our indicator sites.

- Rainfall totals for the past week range from 1mm in south-east and south-west England to 4mm in north-west, north-east and east England (Table 1 and Figure 1).
- Cumulative rainfall totals for the first 6 days of September ranged from 2% of the September long term average (LTA) in south-west England to 11% in central England (Table 1).
- River flows have decreased at all of our indicator sites over the past week. The latest daily mean flows are currently **normal** or higher for the time of year at three-quarters of our indicator sites, with two-thirds of sites being **normal** or higher for the time of year (Figure 2).

## Outlook

Thursday and most of Friday will be fine and dry. A frontal system is expected to move eastwards overnight on Friday and into Saturday, with the potential for some heavy showery rain. During Saturday the rain will move north and east with heavy showers developing over central and eastern parts. Much of England will be dry on Sunday, although showery rain may spread to the south and west later. Monday and Tuesday are likely to be unsettled.

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

Geographic regions	Latest Week: 02 - 08 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	4	12	10	112	108	268	101	562	113	1224	105
north-east	4	5	8	92	122	221	113	411	108	803	98
central	3	7	11	80	124	178	103	322	94	678	95
east	4	5	10	66	120	168	108	269	91	585	98
south-east	1	3	5	101	176	192	120	299	92	742	102
south-west	1	1	2	144	191	287	145	438	107	1020	101
England	3	5	8	97	140	214	115	368	101	808	100

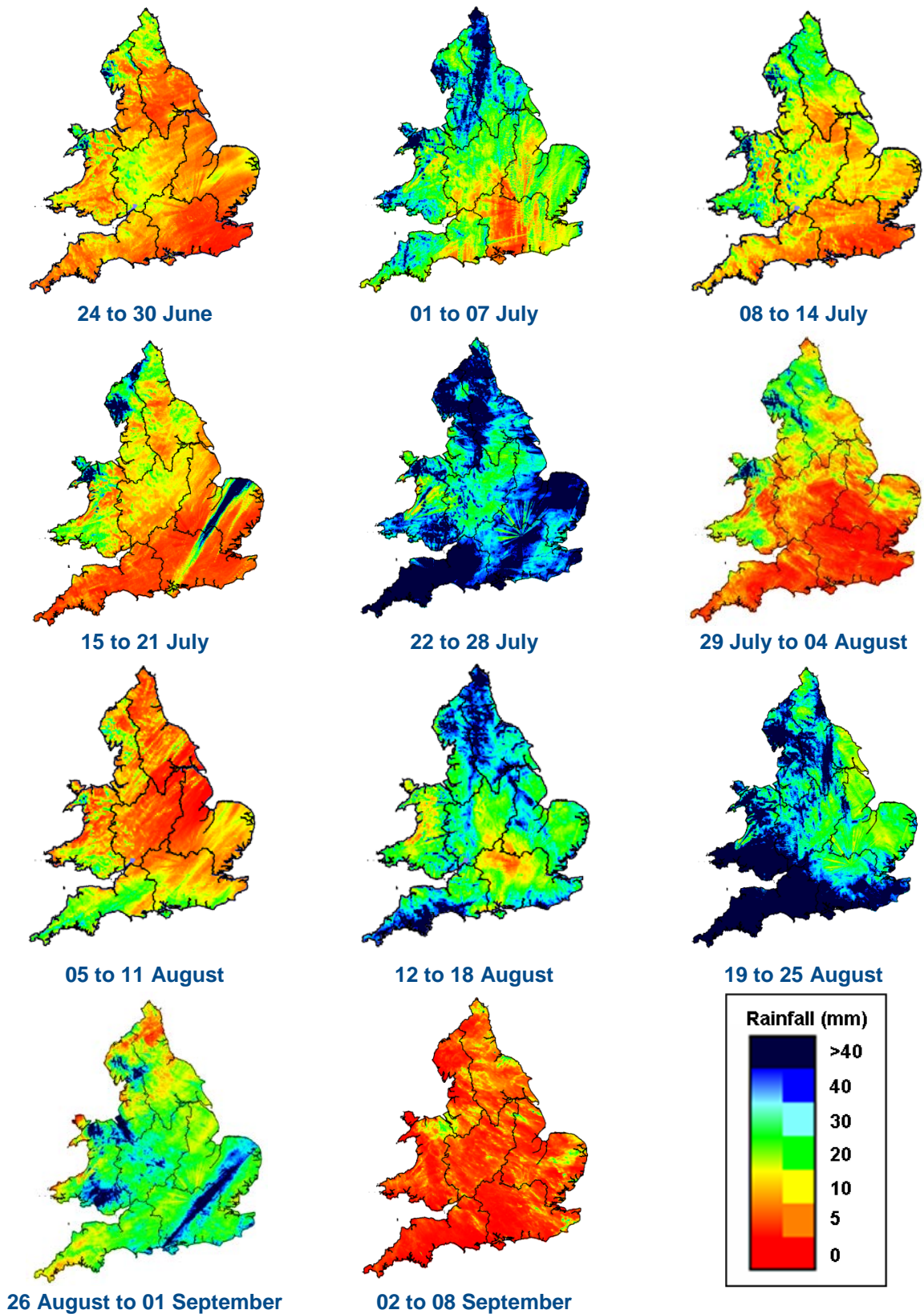
**Table 1:** Latest rainfall summary information (Source: Met Office © Crown Copyright)<sup>1</sup>

<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.

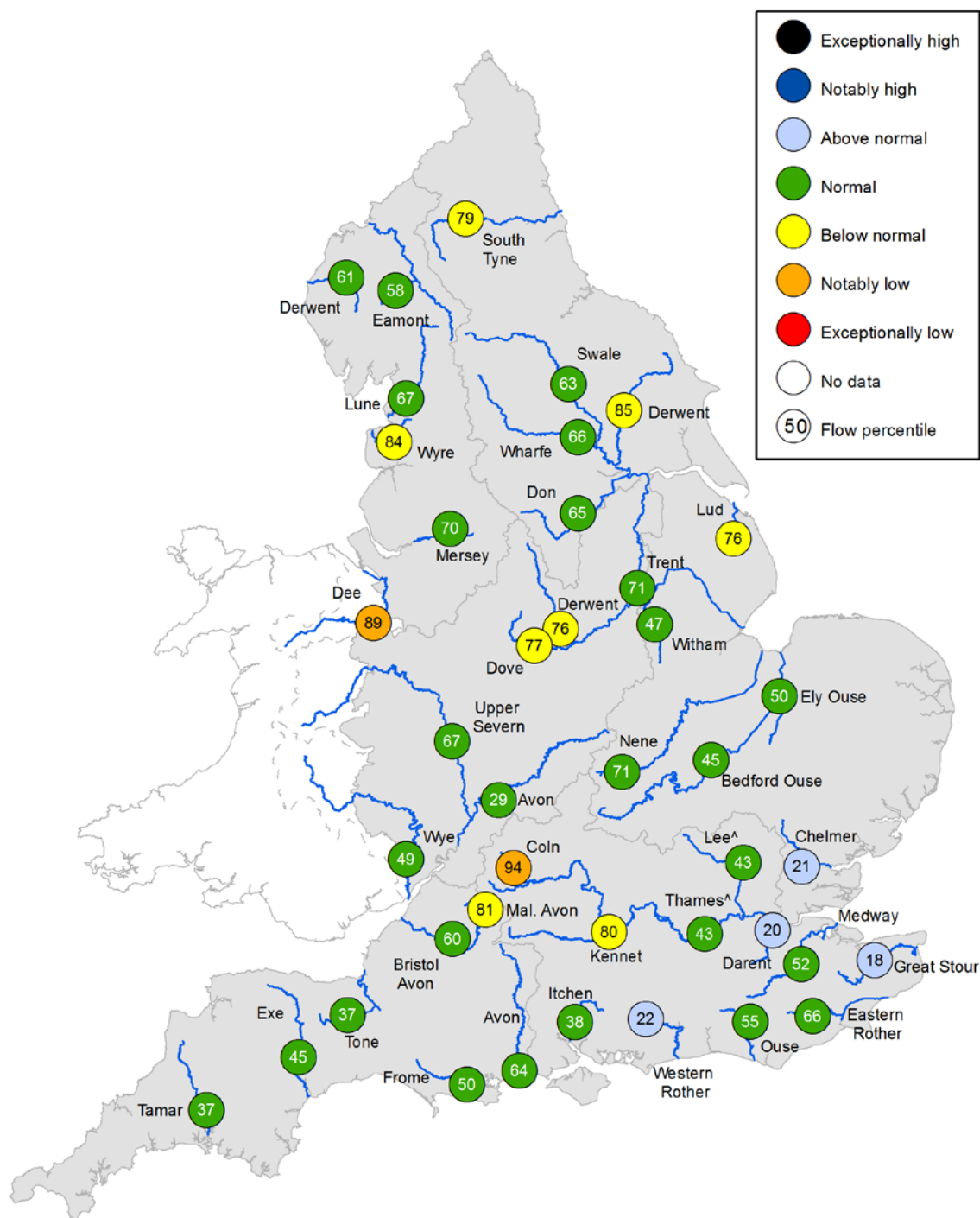
All data are provisional and may be subject to revision. The views expressed in this document are not necessarily those of the Environment Agency. Its officers, servants or agents accept no liability for any loss or damage arising from the interpretation or use of the information, or reliance upon views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





**Figure 1:** Weekly precipitation across England and Wales for the past 11 weeks. UKPP radar data (Source: Met Office © Crown Copyright, 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.