

# Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 21 to Tuesday 27 October 2015

## Summary

The past week has seen variable rainfall totals across England, with much of east England, the Welsh Marches and central southern England being relatively dry, but wetter elsewhere. River flows have increased at most of our indicator sites. Half of the indicator sites are still classed as lower than **normal**.

- Rainfall totals for the past week range from 4mm in north-east England to 21mm in south-west England (Table 1 and Figure 1).
- Cumulative rainfall totals for the month to date range from 43% of the October long term average (LTA) in north-west England to 84% in east England (Table 1).
- River flows have increased at more than three quarters indicator sites over the past week.
- The latest daily mean flows are **below normal** or lower for the time of year at half of our indicator sites, with the majority of remaining sites being **normal** for the time of year (Figure 2).

## Outlook

Thursday and Friday will see bands of rain moving eastwards and north-eastwards across England, followed by spells of drier weather. Conditions will become generally more settled from Saturday onwards, with warm, sunny spells in the south-east particularly.

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

Geographic regions	Latest Week: 21 - 27 Oct '15	Latest month to date: Oct '15		Last month: Sep '15		Last 3 months: Jul '15 - Sep '15		Last 6 months: Apr '15 - Sep '15		Last 12 months: Oct '14 - Sep '15	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
north-west	13	53	43	50	45	272	91	500	97	1256	108
north-east	4	55	75	43	63	231	112	391	102	826	101
central	9	42	71	40	67	180	102	312	91	706	99
east	10	43	84	50	101	193	126	293	98	618	103
south-east	13	46	65	65	103	230	136	338	103	795	109
south-west	21	52	54	73	88	317	145	464	114	1078	107
England	12	48	64	53	77	233	119	372	101	846	105

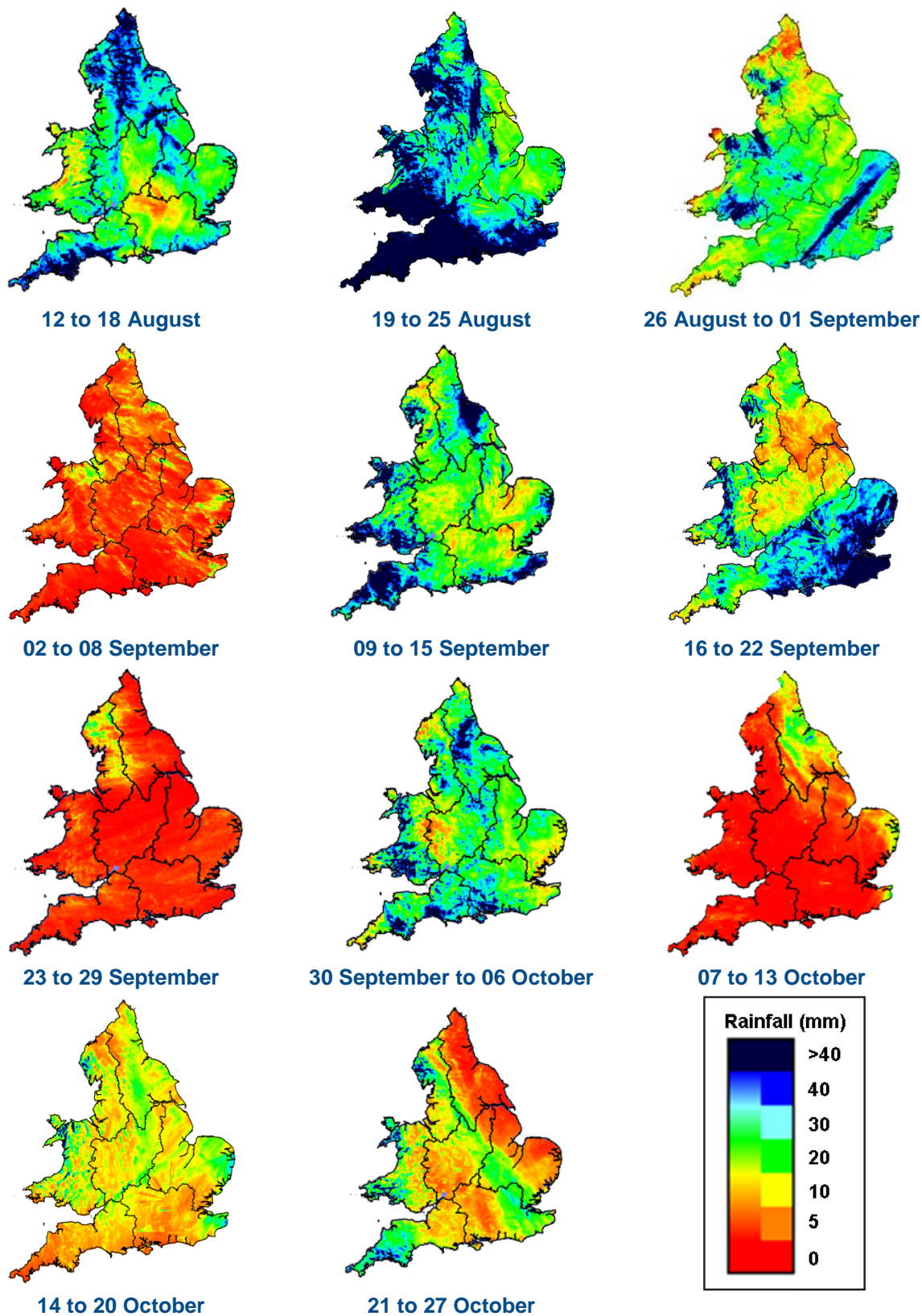
**Table 1:** Latest rainfall summary information (Source: Met Office © Crown Copyright, 2015)<sup>1</sup>

<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.

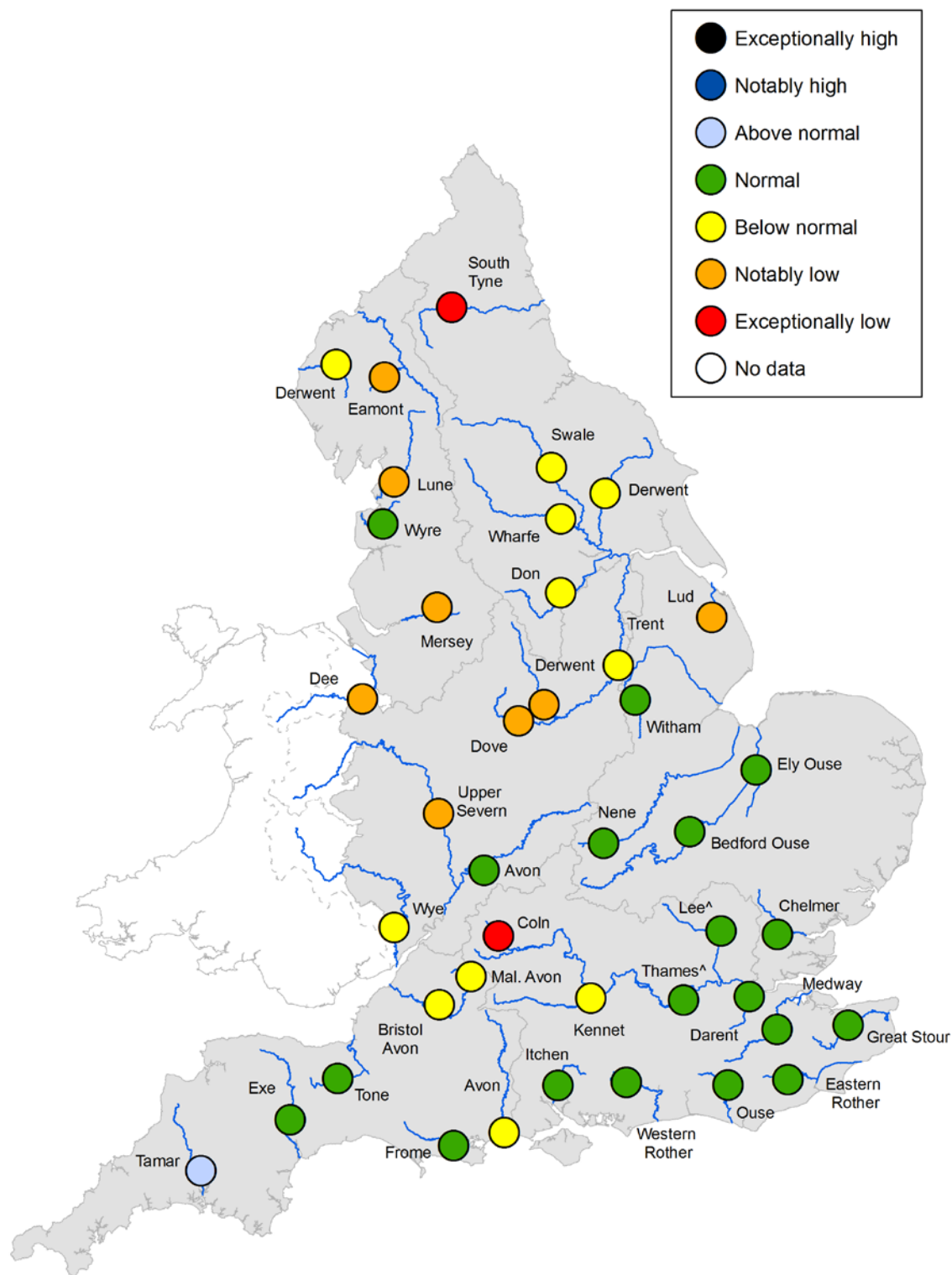
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**Figure 1:** Weekly precipitation across England and Wales for the past 11 weeks. UKPP radar data (Source: Met Office © Crown Copyright, 2015). Note: Radar beam blockages may give anomalous totals in some areas. Crown copyright. All rights reserved.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

# River Flow



<sup>^</sup> – ‘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, 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. Flow percentiles presented relate to an analysis for the time of year and not a whole year.