

# Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 08 to Tuesday 14 April 2015

## Summary

The past week has been largely dry across most of England, with most areas receiving less than 10 mm of rainfall. River flows have fallen at almost all of our indicator sites compared to last week, with two thirds of our indicator sites now **normal** for the time of year.

- Rainfall totals for the past week range from 2 mm in south-east and south-west England to 16 mm in the north-west (Table 1 and Figure 1).
- The rainfall totals for the month to date range from 18% of the April long term average (LTA) in south-west England to 41% in the north-west (Table 1).
- River flows have decreased at the majority of our indicator sites compared to the previous week. The latest daily mean flows are **normal** for the time of year at two thirds of our indicator sites, although there are 4 sites that are now **notably low** for the time of year (Figure 2).

## Outlook

The next week is expected to be largely dry across all of England, apart from a few very localised heavy showers over the south of England on Thursday and Friday

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

Geographic regions	Latest Week: 08 - 14 Apr '15	Latest month to date: Apr '15		Last month: Mar '15		Last 3 months: Jan '15 - Mar '15		Last 6 months: Oct '14 - Mar '15		Last 12 months: Apr '14 - Mar '15	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
north-west	16	28	41	111	121	339	121	747	116	1181	102
north-east	9	16	28	63	93	184	90	433	99	814	99
central	3	14	26	50	87	153	88	394	106	750	105
east	3	11	24	25	54	113	83	324	108	655	110
south-east	2	10	19	26	43	174	97	458	115	795	109
south-west	2	11	18	46	55	262	93	609	101	1022	101
England	5	14	25	49	75	192	95	472	107	842	104

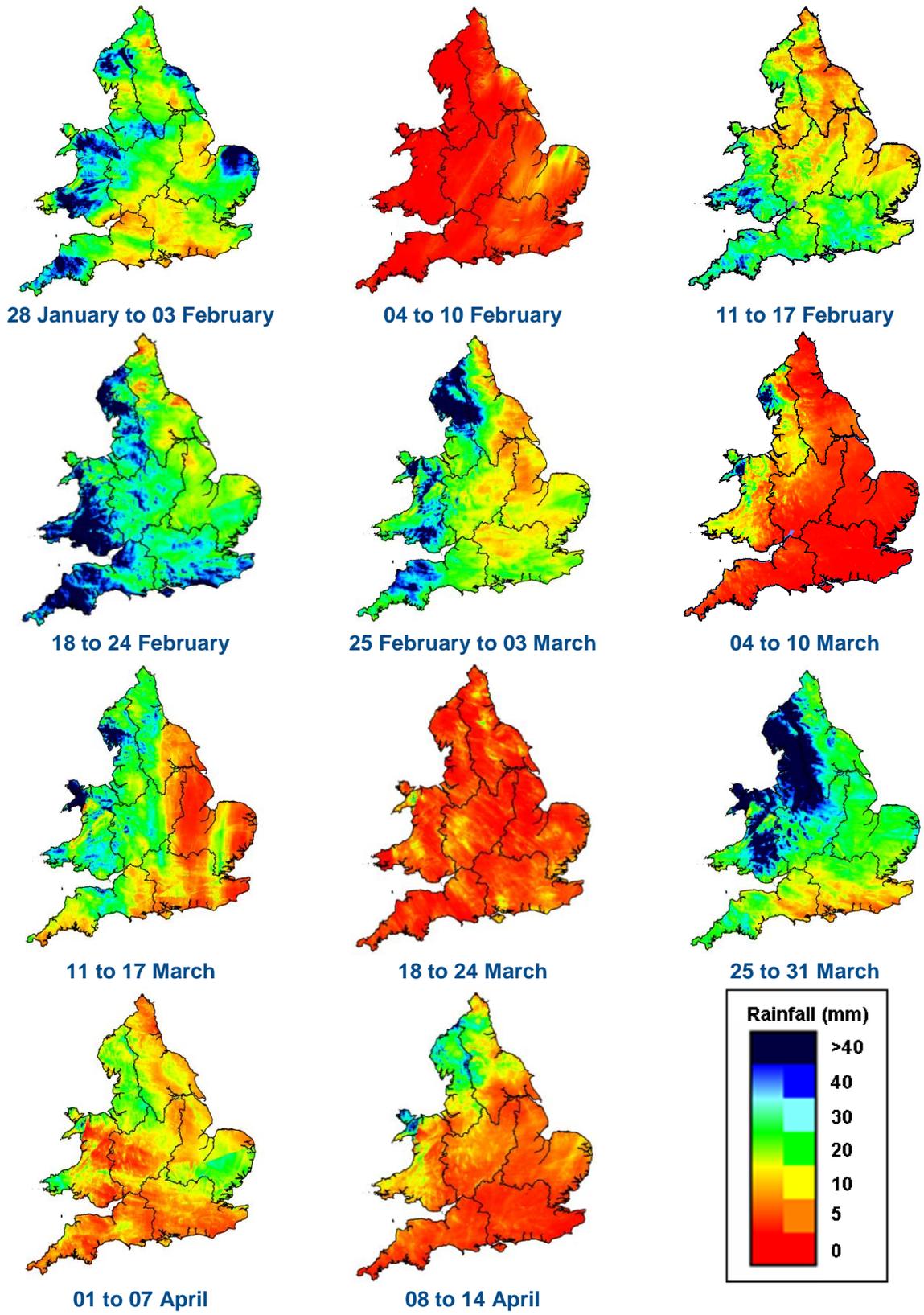
**Table 1:** Latest rainfall summary information (Source: Met Office © Crown Copyright)<sup>1</sup>

<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.

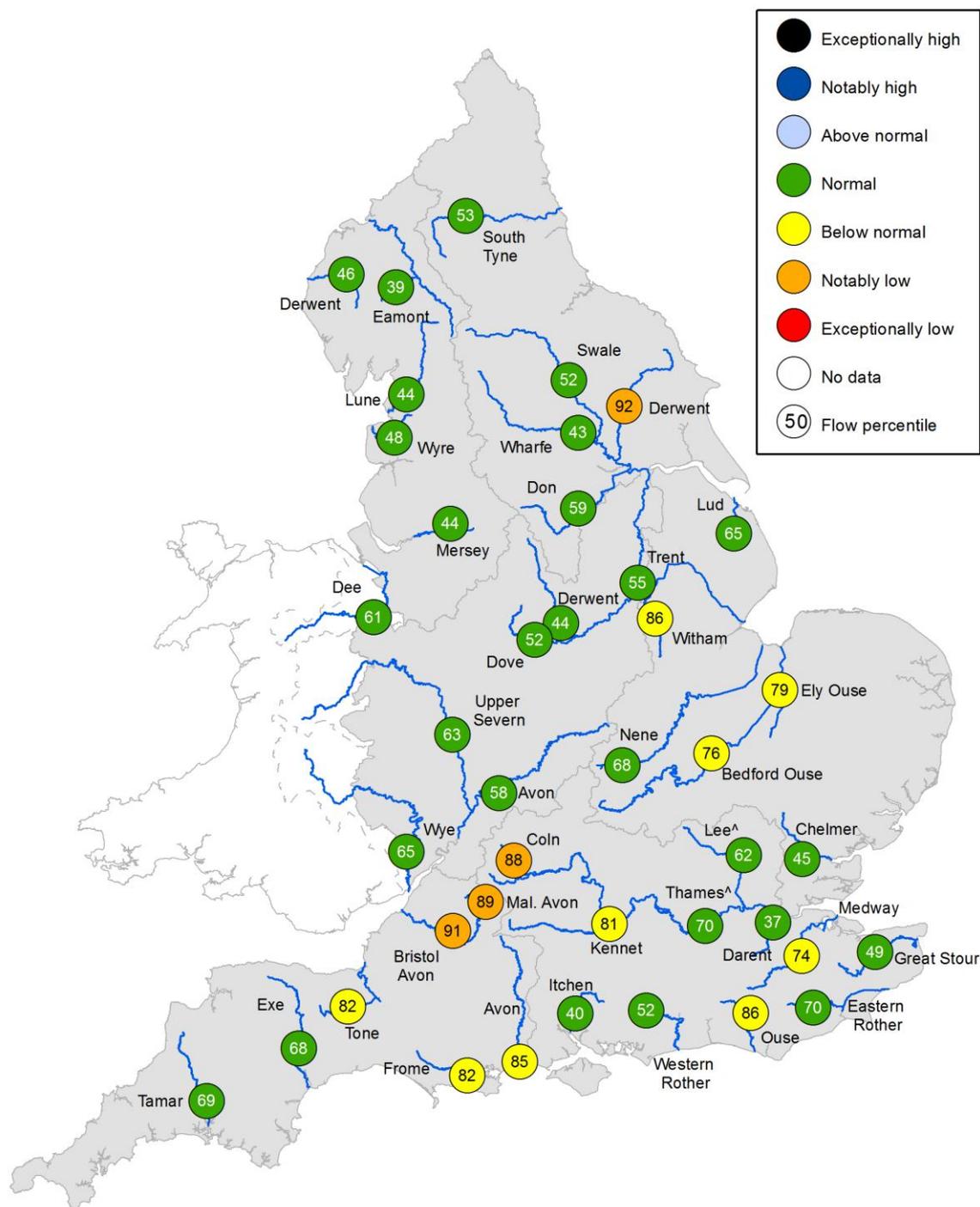
All data are provisional and may be subject to revision. The views expressed in this document are not necessarily those of the Environment Agency. Its officers, servants or agents accept no liability for any loss or damage arising from the interpretation or use of the information, or reliance upon views 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 expressed as a percentile<sup>2</sup> and classed relative to an analysis of historic daily mean flows for the same time of year (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.