

Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 27 May to Tuesday 02 June 2015

Summary

The past week has been wet across England, with most areas receiving more than 20mm. River flows have increased at the majority of indicator sites compared to the previous week, with nearly all sites being **normal** or higher for the time of year.

- Rainfall totals for the past week range from 13mm in east England to 46mm in the north-west (Table 1 and Figure 1).
- Cumulative rainfall totals for the first two days of the month range from 5% of the June long term average (LTA) in east England to 27% LTA in the north-west (Table 1).
- River flows have increased at three-quarters of our indicator sites. The latest daily mean flows are **normal** or higher for the time of year at the majority of our indicator sites and 5 sites are **exceptionally high** for the time of year (Figure 2).

Outlook

The settled conditions on Thursday will be followed by rain across many areas of England on Friday and into Saturday. The rain will be heavy and thundery showers in the south and east of England and lighter elsewhere. Dry and settled conditions are expected for Sunday through to Tuesday.

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

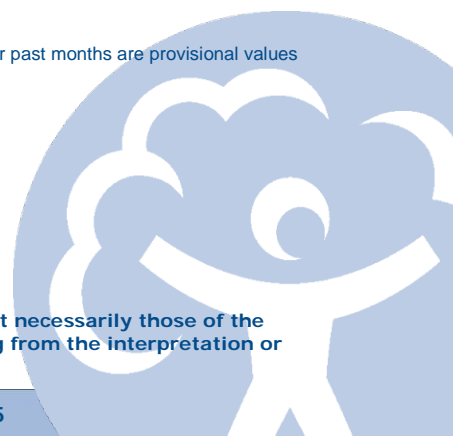
Geographic regions	Latest Week: 27 May - 02 Jun '15	Latest month to date: Jun '15		Last month: May '15		Last 3 months: Mar '15 - May '15		Last 6 months: Dec '14 - May '15		Last 12 months: Jun '14 - May '15	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
north-west	46	21	27	130	178	293	126	679	125	1216	105
north-east	32	13	22	96	160	189	103	387	97	789	96
central	20	9	15	75	130	144	86	310	87	700	98
east	13	3	5	55	114	101	71	240	84	607	102
south-east	17	6	11	60	110	107	65	308	85	734	101
south-west	30	16	26	81	122	151	71	446	85	948	94
England	25	10	17	79	135	154	86	372	94	800	99

Table 1: Latest rainfall summary information (Source: Met Office © Crown Copyright)¹

¹ 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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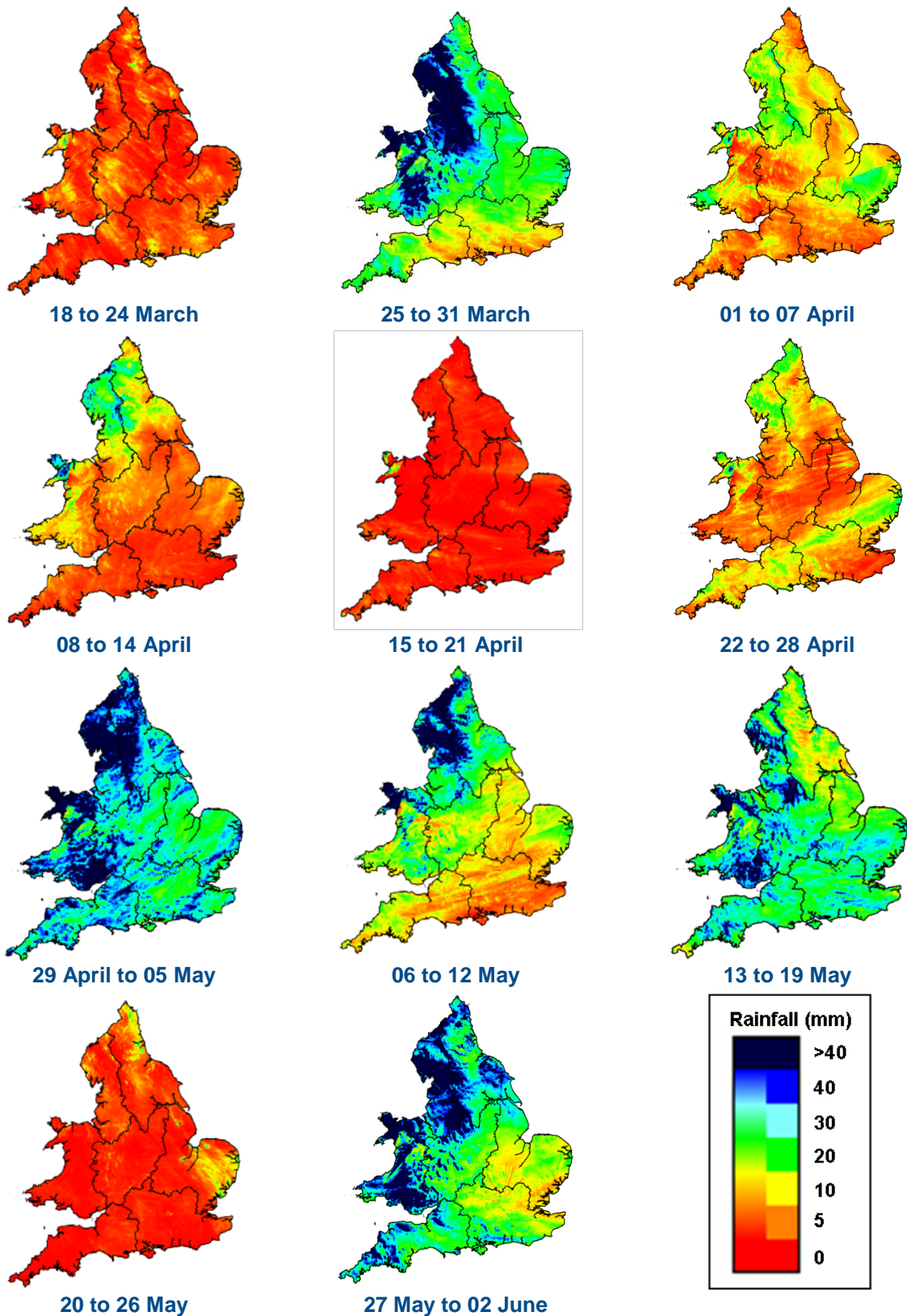
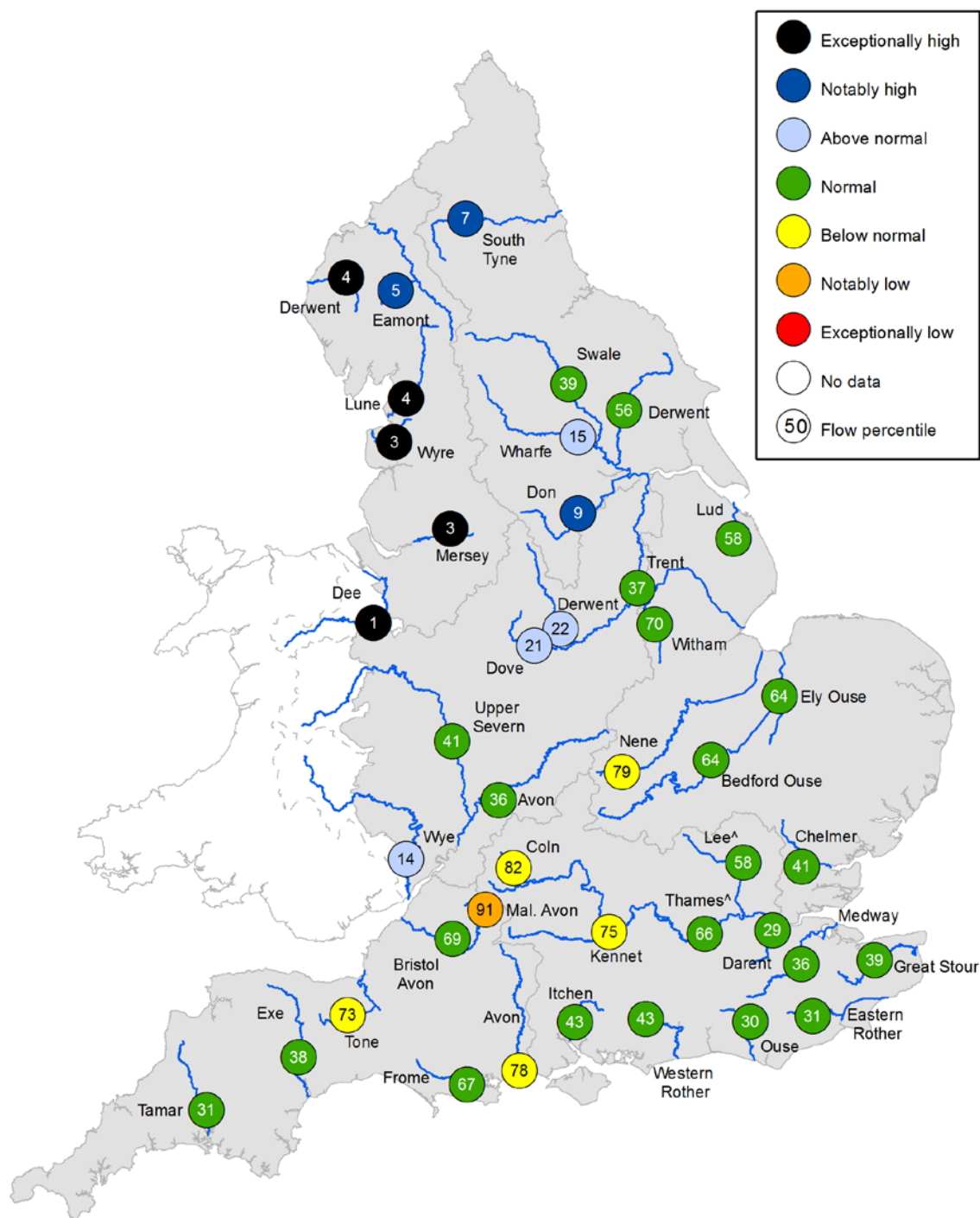


Figure 1: Weekly precipitation across England and Wales for the past 11 weeks. UKPP radar data (Source: Met Office © Crown Copyright, 2015). Note: Radar beam blockages may give anomalous totals in some areas. Crown copyright. All rights reserved. Environment Agency, 100026380, 2015.

River Flow



^ – ‘Naturalised’ flows are provided for the Thames at Kingston and the Lee at Feildes Weir.

Figure 2: Latest daily mean river flow expressed as a percentile² 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.

² 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.