Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 10 to Tuesday 16 June 2015

Summary

The past week has been varied across England, with central areas receiving 25mm of rainfall while other areas received much less. River flows have decreased at over half of indicator sites compared to the previous week, with over half sites being **normal** for the time of year.

- Rainfall totals for the past week range from less than 7mm in north-west and south-west England to 25mm in central England (Table 1 and Figure 1).
- Cumulative rainfall totals for the month range from 26% of the June long term average (LTA) in south-east to 59% in the central England (Table 1).
- River flows have decreased over half of our indicator sites. The latest daily mean flows are **normal** for the time of year at over half of our indicator sites with just a third of sites now **below normal** or **notably low** for the time of year (Figure 2).

Outlook

Persistent and local heavy rain to the high ground of the north-west will weaken as it moves south-east overnight. This should clear the coast by Thursday morning. Conditions should be dry for much of England during Thursday and into Friday. On Saturday there is the potential for showers to develop across parts of England. These are likely to become more widespread on Sunday, possibly becoming heavy and thundery locally. The beginning of the week looks to be unsettled with cloud and showers in the north-west while the south-east will be mostly dry and warm.

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Geographic regions	Latest Week: 10 - 16 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	7	29	37	130	178	293	126	679	125	1216	105
north-east	9	23	39	96	160	189	103	387	97	789	96
central	25	34	59	75	130	144	86	310	87	700	98
east	12	17	34	55	114	101	71	240	84	607	102
south-east	7	14	26	60	110	107	65	308	85	734	101
south-west	13	29	47	81	122	151	71	446	85	948	94
England	12	24	40	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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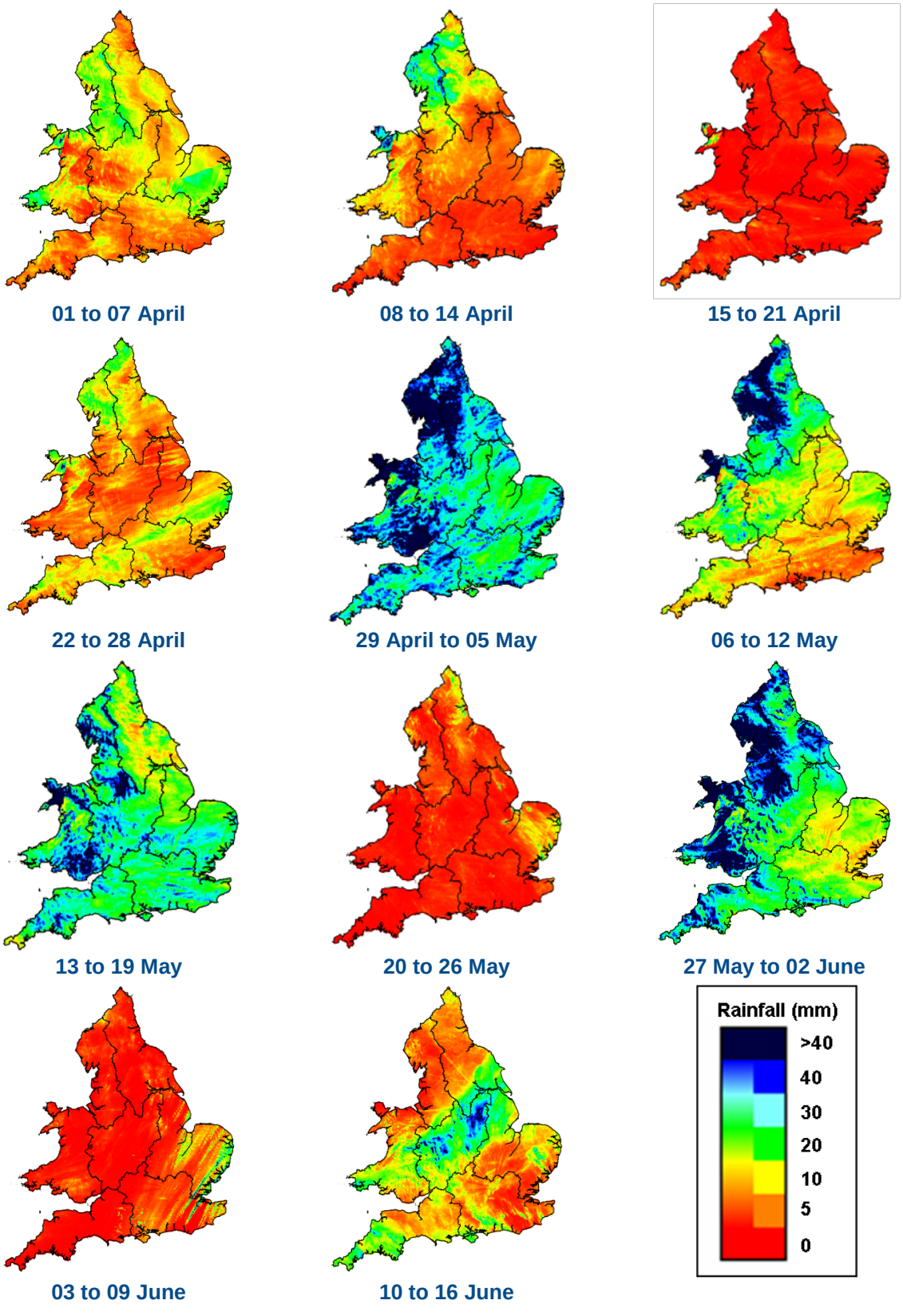

Figure 1: Weekly precipitation across England and Wales for the past 11 weeks. UKPP radar data (Source: Met Office © Crown Copyright, 2015). Note: Radar beam blockages may give anomalous totals in some areas. Crown copyright. All rights reserved. Environment Agency, 100026380, 2015.

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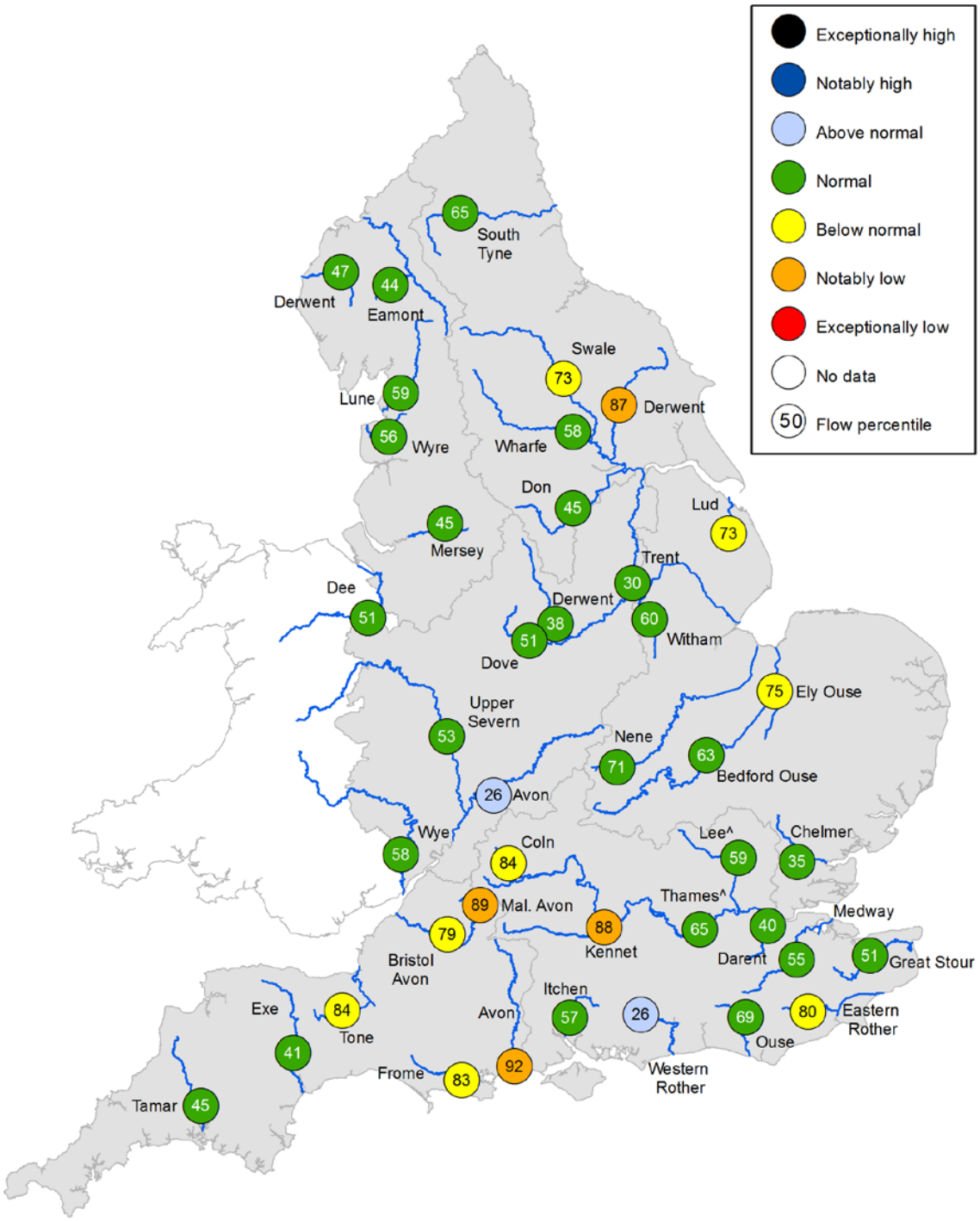
River Flow



^ – '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[2] 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.

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