

# Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 09 to Tuesday 15 July 2014

## Summary

It has been a relatively dry week across central and south west England and wetter in the east. River flows have decreased at the majority of indicator sites.

- Rainfall totals for the past week range from 4 millimetres (mm) in central and southwest England to 26 mm in the east (Table 1 and Figure 1).
- Cumulative rainfall totals for July to date range from 37% of the July long term average (LTA) in central England to 73% in the east (Table 1).
- The latest daily mean river flows are **normal** for the time of year at just under two thirds of indicator sites; flows at nine sites across the east and southeast of England are higher than **normal**, with the rivers Chelmer and Darent being **exceptionally high** for the time of year (Figure 2).

## Outlook

Most of England will remain dry on Thursday and Friday, although there will be a risk of isolated thunderstorms across parts of southwest England overnight into Friday and again during the day on Friday across central and northern England. From Friday evening and through Saturday, thundery rain is expected to move north across a broad swathe of England bringing the risk of very intense torrential downpours. Isolated showers and thunderstorms will follow on Sunday, mainly across eastern England. Monday will be mainly dry although frontal rain may move into the west later in the day. Unsettled weather is expected to continue on Tuesday, particularly in the north and west.

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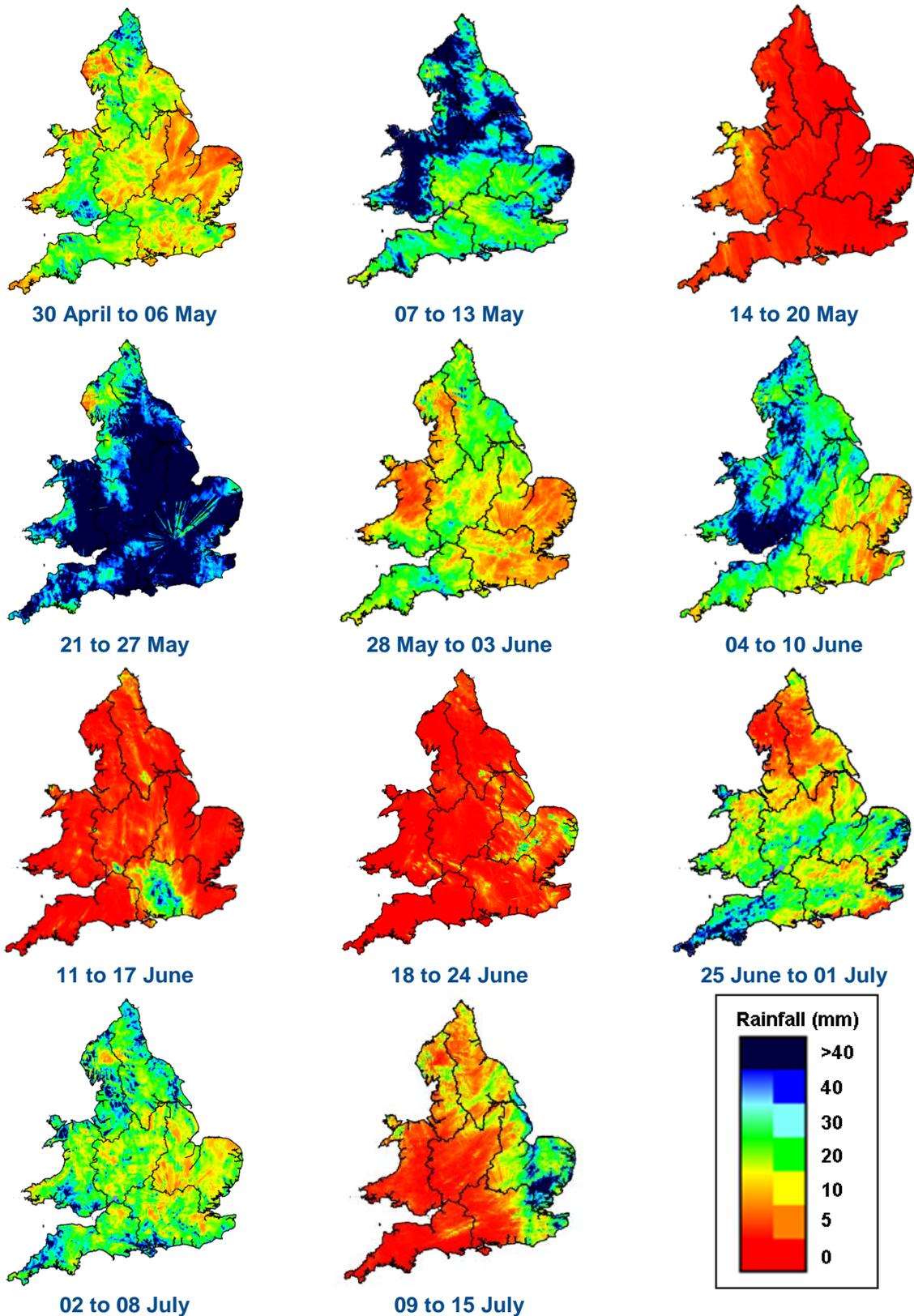
Geographic regions	Latest Week: 09 - 15 Jul '14	Latest month to date: Jul '14		Last month: Jun '14		Last 3 months: Apr '14 - Jun '14		Last 6 months: Jan '14 - Jun '14		Last 12 months: Jul '13 - Jun '14	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
North West	11	38	46	44	56	192	87	632	126	1352	116
North East	10	29	47	46	77	201	114	495	130	961	117
Central	4	19	37	53	93	197	118	487	143	916	128
East	26	36	73	37	73	155	106	346	123	671	112
South East	8	23	47	36	67	182	114	548	161	1016	140
South West	4	26	42	64	102	252	133	741	157	1384	137
England	11	28	49	46	78	195	113	527	141	1015	126

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

<sup>1</sup> Notes:

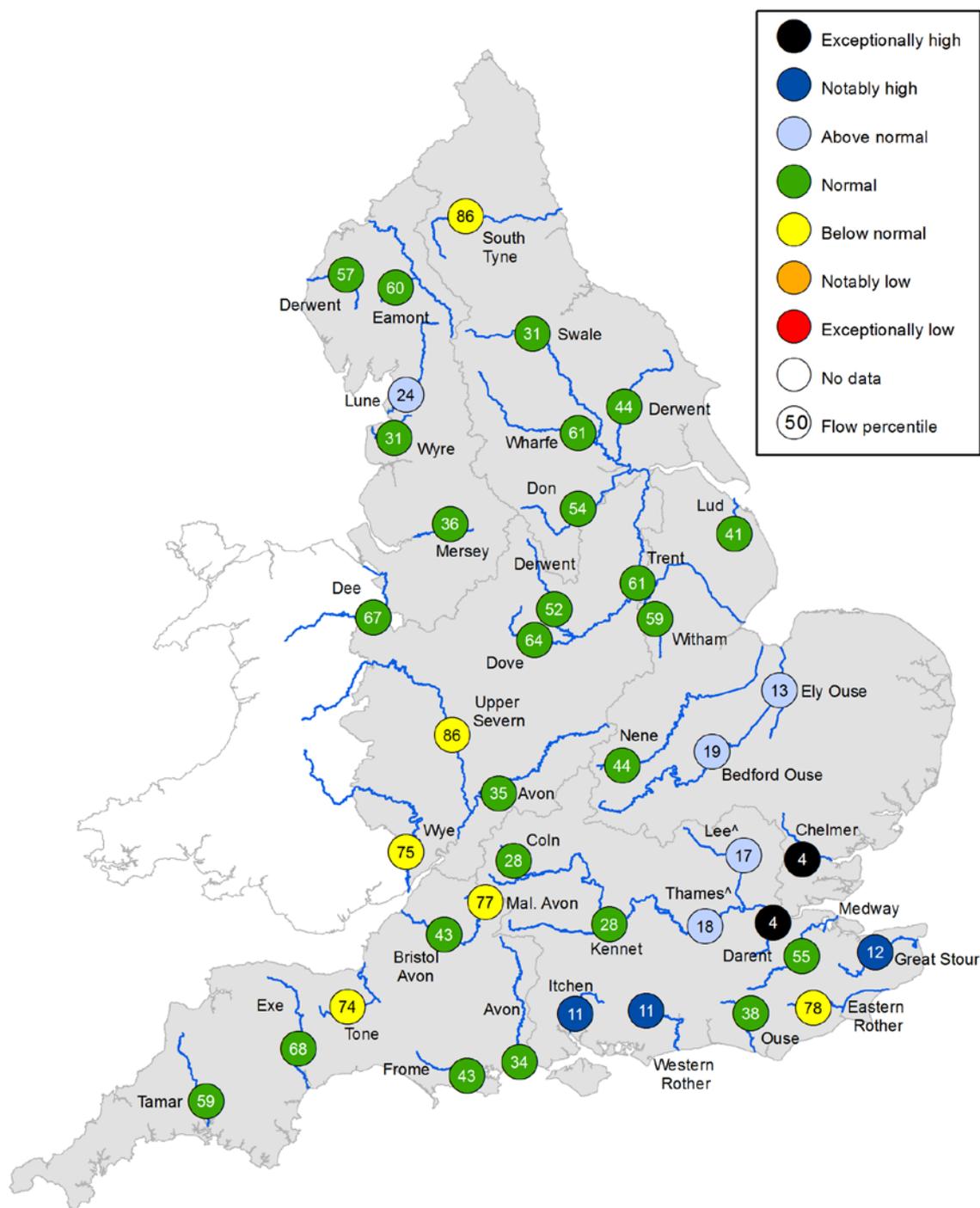
- LTA = long term average rainfall for 1961 – 1990
- Data for the current month are calculated using MORECS (Met Office Rainfall and Evaporation Calculation System); data for past months are provisional values from the National Climate Information Centre (NCIC).
- The data is rounded to the nearest millimetre 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 eleven weeks. UKPP radar data (Source: Met Office © Crown Copyright, 2014). Note: Radar beam blockages may give anomalous totals in some areas. Crown copyright. All rights reserved. Environment Agency, 100026380, 2014.

# 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, 2014.

<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.