

# Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 11 – Tuesday 17 June 2014

## Summary

The past week has been dry across almost all of England with most areas receiving very little rainfall, although there were some heavy showers in central southern England over the weekend. As a result, river flows have decreased at nearly all our indicator sites and the majority of sites are now *normal* for the time of year.

- Rainfall totals for the past week range from less than 1 mm in southwest England to 8 mm in the southeast (Table 1 and Figure 1).
- Cumulative rainfall totals for the month to date range from 39% of the June long term average (LTA) in east England to 69% in central England (Table 1).
- River flows have decreased at nearly all our indicator sites this week compared to last week. The latest daily mean river flows are now *normal* for the time of year at just over three quarters of our indicator sites (Figure 2).
- There are still just under a quarter of our indicator sites that are *above normal* or *notably high* for the time of year (Figure 2).

## Outlook

There is a low risk of some isolated heavy showers developing in the far south and south east England on Thursday. High pressure centred to the west of Ireland will continue to bring predominantly dry and settled weather for all of England over the rest of the week.

Author: [Katharine McChesney](#) (Water Resources Technical Services)

Geographic regions	Latest Week: 11 - 17 Jun '14	Latest month to date: date: Jun '14		Last month: May '14		Last 3 months: Mar '14 - May '14		Last 6 months: Dec '13 - May '14		Last 12 months: Jun '13 - May '14	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
North West	2	40	50	94	129	238	102	757	140	1362	117
North East	2	39	66	106	177	213	116	547	136	955	116
Central	3	40	69	97	168	188	112	506	142	897	125
East	1	20	39	96	199	142	100	355	125	654	109
South East	8	25	46	76	139	182	111	662	184	1007	138
South West	0.7	36	58	94	142	253	120	854	162	1340	133
England	3	32	54	94	160	198	111	594	149	1000	124

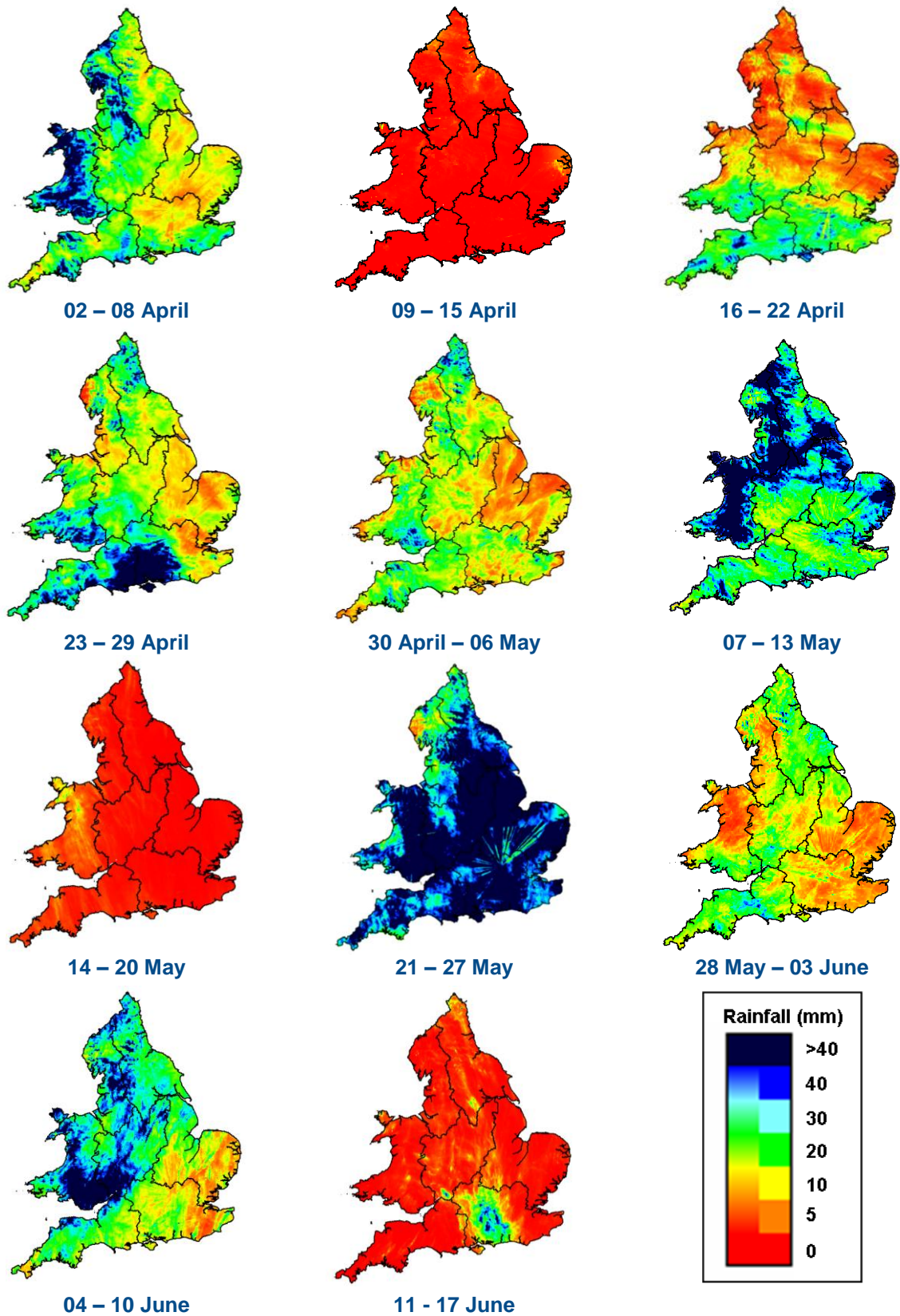
**Table 1:** Latest rainfall summary information (Source: Met Office © Crown Copyright)<sup>1</sup>

<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.

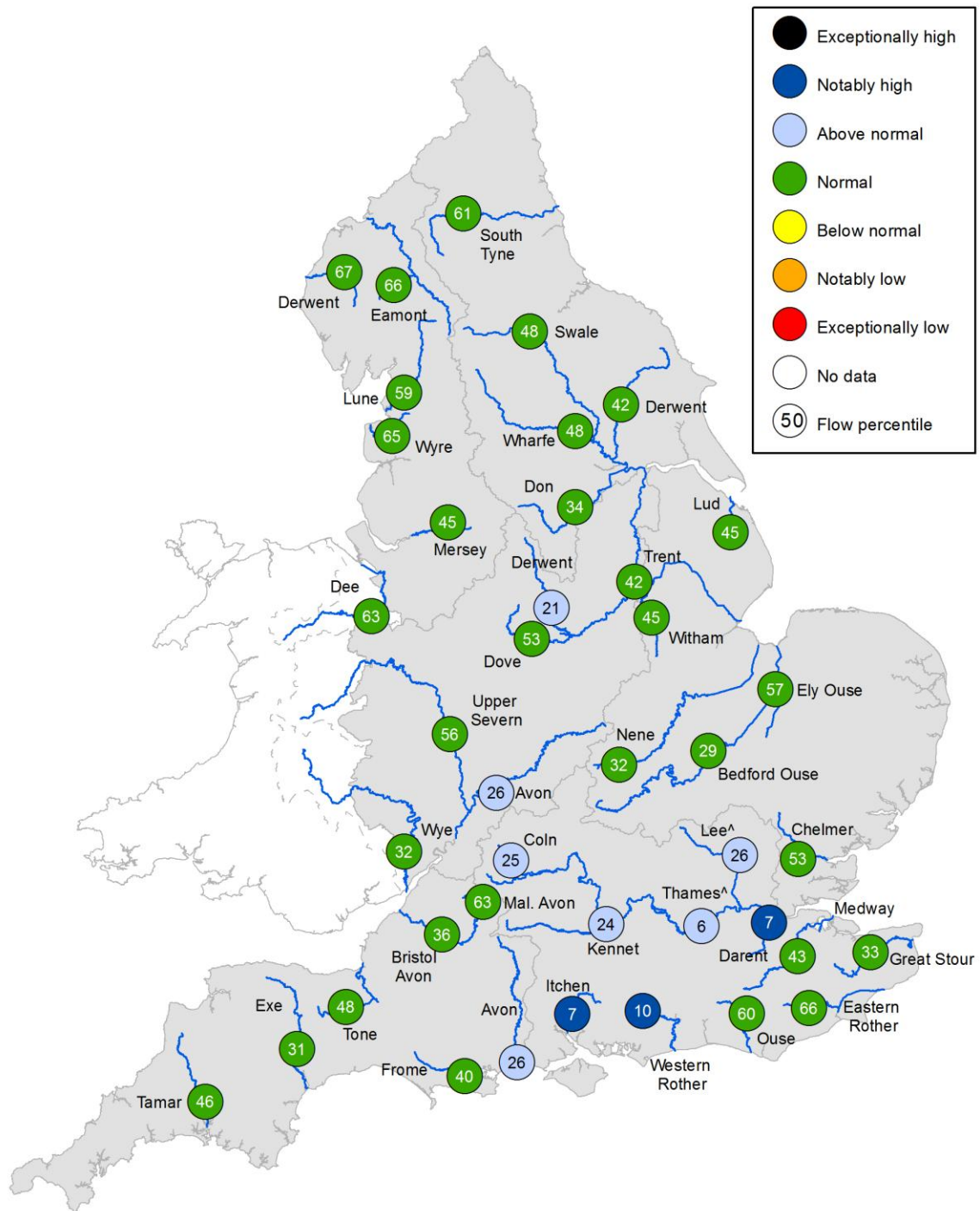
**All data are provisional and may be subject to revision. The views expressed in this document are not necessarily those of the Environment Agency. Its officers, servants or agents accept no liability for any loss or damage arising from the interpretation or use of the information, or reliance upon 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.