

# Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 08 to Tuesday 14 July 2015

## Summary

Most parts of England received some rainfall in the past week, although there were areas in the south and east that had very little. River flows have decreased at half of our indicator sites, but remain **normal** or higher for the time of year at the majority of sites.

- Rainfall totals for the past week range from 7mm in south-east England to 16mm in north-west England (Table 1 and Figure 1).
- Cumulative rainfall totals for the first 14 days of July ranged from 35% of the July long term average (LTA) in south-east England to 70% in north-east England (Table 1).
- River flows have decreased at half of our indicator sites over the past week. The latest daily mean flows are currently **normal** or higher for the time of year at two thirds of our indicator sites and **below normal** or lower, for the time of year at the rest (Figure 2).

## Outlook

Thursday will be warm and dry for much of the day in southern areas, however with the risk of heavy thundery showers later in the day. Friday is likely to see wet weather in the north, clearing through Saturday whilst southern areas remain mainly dry. Sunday will be mostly dry, but with rain arriving from the west later in the day, before unsettled weather for most on Monday and Tuesday.

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

| Geographic regions | Latest Week:<br>08 - 14<br>Jul '15 | Latest month to date:<br>Jul '15 |       | Last month:<br>Jun '15 |       | Last 3 months:<br>Apr '15 - Jun '15 |       | Last 6 months:<br>Jan '15 - Jun '15 |       | Last 12 months:<br>Jul '14 - Jun '15 |       |
|--------------------|------------------------------------|----------------------------------|-------|------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|--------------------------------------|-------|
|                    | Total (mm)                         | Total (mm)                       | % LTA | Total (mm)             | % LTA | Total (mm)                          | % LTA | Total (mm)                          | % LTA | Total (mm)                           | % LTA |
| north-west         | 16                                 | 46                               | 56    | 45                     | 58    | 228                                 | 104   | 567                                 | 113   | 1218                                 | 105   |
| north-east         | 12                                 | 43                               | 70    | 34                     | 57    | 160                                 | 91    | 344                                 | 91    | 777                                  | 95    |
| central            | 12                                 | 32                               | 61    | 39                     | 67    | 133                                 | 79    | 285                                 | 84    | 683                                  | 96    |
| east               | 12                                 | 27                               | 55    | 25                     | 49    | 100                                 | 69    | 213                                 | 76    | 591                                  | 99    |
| south-east         | 7                                  | 17                               | 35    | 27                     | 50    | 108                                 | 68    | 283                                 | 83    | 724                                  | 99    |
| south-west         | 13                                 | 32                               | 53    | 43                     | 69    | 148                                 | 78    | 410                                 | 87    | 936                                  | 93    |
| England            | 12                                 | 32                               | 56    | 34                     | 58    | 140                                 | 81    | 332                                 | 89    | 788                                  | 98    |

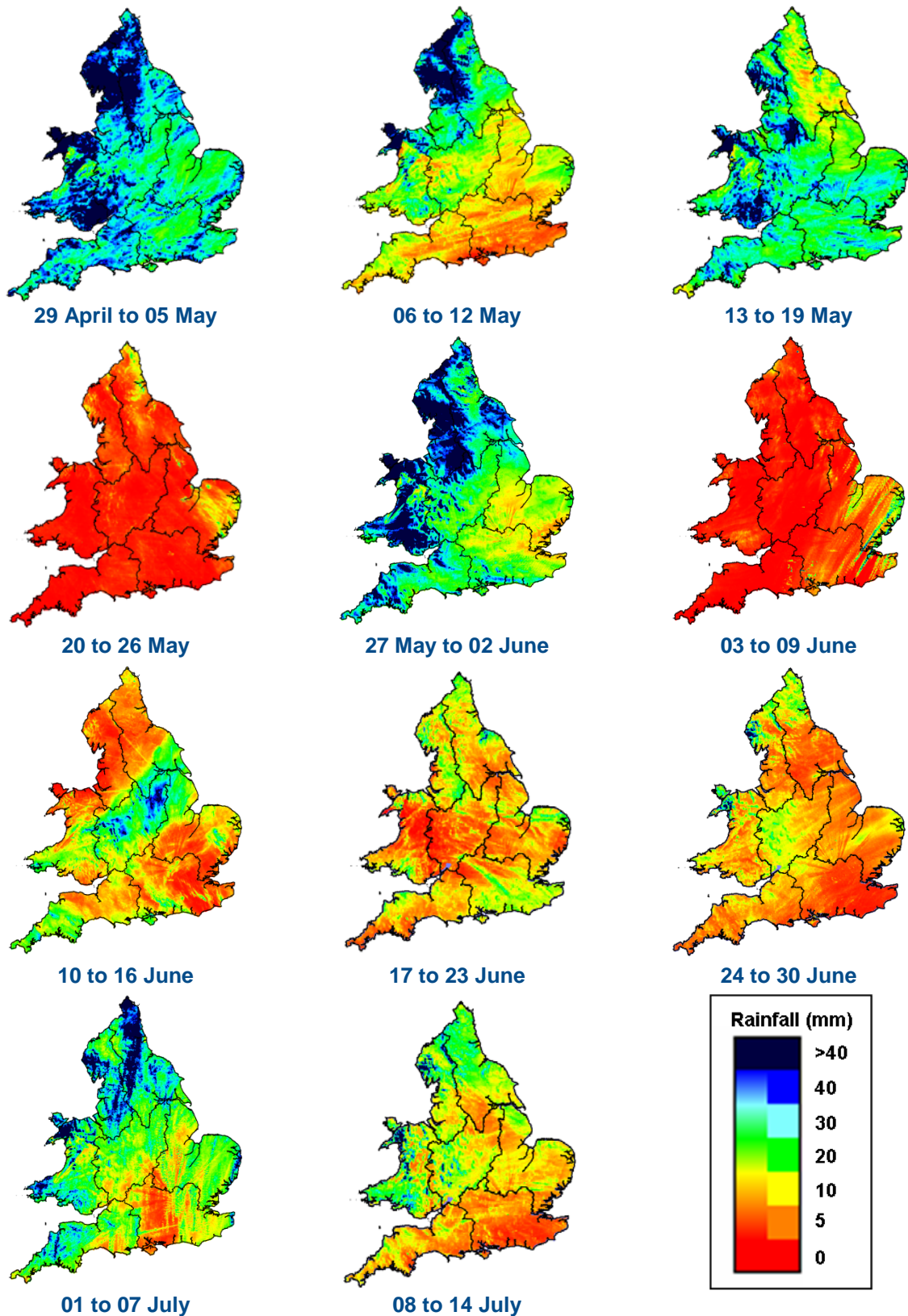
**Table 1:** Latest rainfall summary information (Source: Met Office © Crown Copyright)<sup>1</sup>

<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.

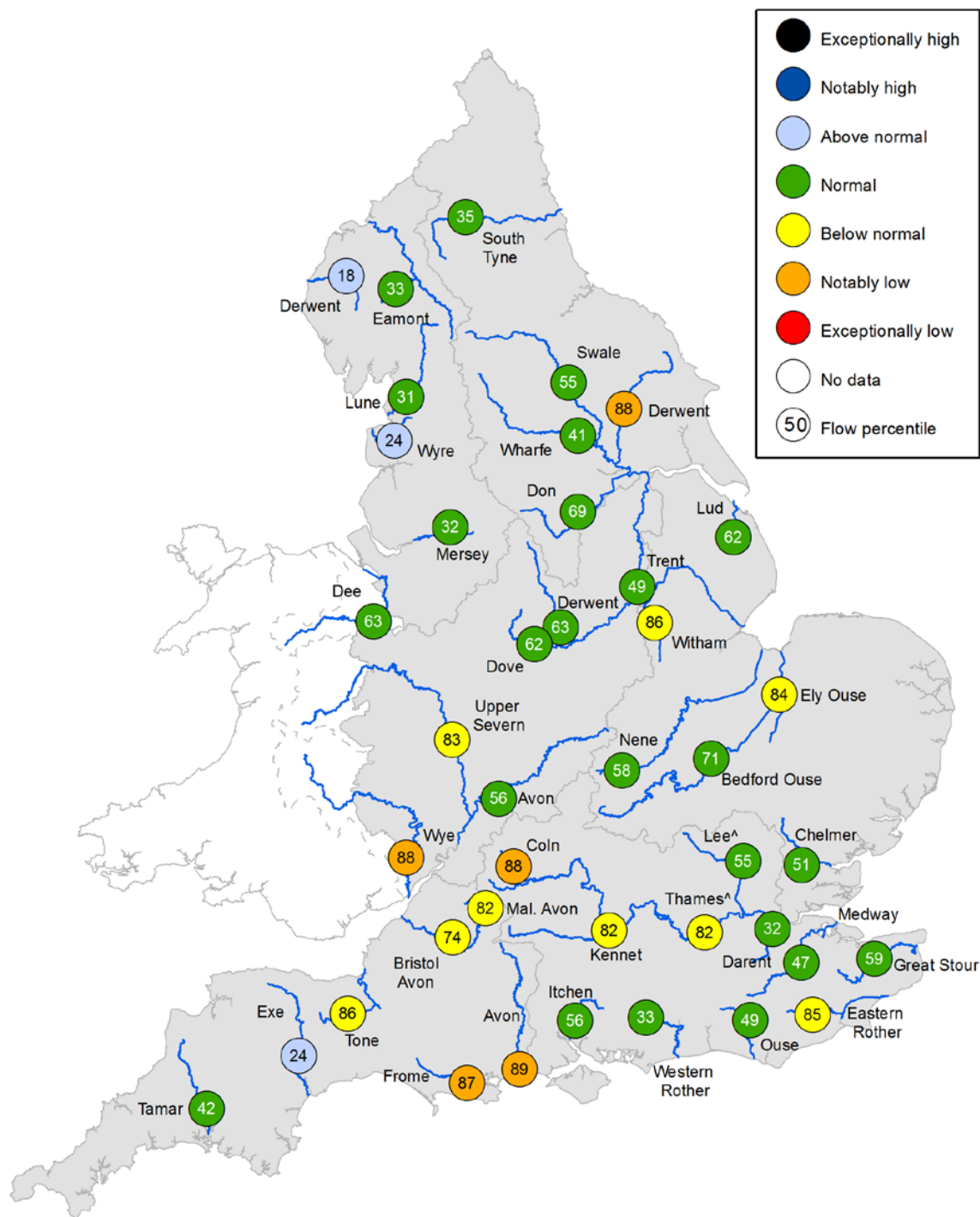
All data are provisional and may be subject to revision. The views expressed in this document are not necessarily those of the Environment Agency. Its officers, servants or agents accept no liability for any loss or damage arising from the interpretation or use of the information, or reliance upon views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