# Weekly rainfall and river flow summary 

## Weekly bulletin: Wednesday 22 to Tuesday 28 April 2015

## Summary

The past week has been wetter than last week across all of England, with most areas receiving more than 6 mm of rainfall. Over a third of our indicator sites are normal for the time of year.

- Rainfall totals for the past week range from 6 mm in central to 16 mm in the north-west (Table 1 and Figure 1).
- The rainfall totals for the month to date range from $38 \%$ of the April long term average (LTA) in south-west and south-east England to 65\% in the north-west (Table 1).
- The latest daily mean flows are normal for the time of year at over a third of our indicator sites and below normal or lower at the remaining two thirds (Figure 2).


## Outlook

Friday is mainly dry and settled, rain will move into the south and west moving north and east on Saturday. Heavy rain is possible on Saturday and Sunday, Monday and Tuesday will remain unsettled with longer spells of rain possible.

## Author: E\&B Hydrology Team

| Geographic regions | Latest <br> Week: <br> 22-28 <br> Apr '15 | Latest month to date: Apr '15 |  | Last month: <br> Mar '15 |  | Last 3 months: Jan '15-Mar '15 |  | Last 6 months: Oct '14-Mar '15 |  | Last 12 months: <br> Apr '14-Mar '15 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total (mm) | Total (mm) | $\begin{gathered} \text { \% } \\ \text { LTA } \end{gathered}$ | Total (mm) | $\begin{gathered} \text { \% } \\ \text { LTAA } \end{gathered}$ | Total (mm) | $\begin{gathered} \text { \% } \\ \text { LTA } \end{gathered}$ | Total (mm) | $\begin{gathered} \text { \% } \\ \text { LTA } \end{gathered}$ | Total (mm) | $\begin{gathered} \text { \% } \\ \text { LTA } \end{gathered}$ |
| north-west | 16 | 45 | 65 | 111 | 121 | 339 | 121 | 747 | 116 | 1181 | 102 |
| north-east | 10 | 26 | 46 | 63 | 93 | 184 | 90 | 433 | 99 | 814 | 99 |
| central | 6 | 20 | 38 | 50 | 87 | 153 | 88 | 394 | 106 | 750 | 105 |
| east | 7 | 19 | 41 | 25 | 54 | 113 | 83 | 324 | 108 | 655 | 110 |
| south-east | 9 | 19 | 38 | 26 | 43 | 174 | 97 | 458 | 115 | 795 | 109 |
| south-west | 13 | 24 | 40 | 46 | 55 | 262 | 93 | 609 | 101 | 1022 | 101 |
| England | 10 | 24 | 44 | 49 | 75 | 192 | 95 | 472 | 107 | 842 | 104 |

Table 1: Latest rainfall summary information (Source: Met Office © Crown Copyright) ${ }^{1}$

[^0]- 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.


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 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.

[^1]
[^0]:    ${ }^{1}$ Notes:

[^1]:    ${ }^{2}$ 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.

