

Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 01 to Tuesday 07 July 2015

Summary

The past week has been wet across much of England, with all areas receiving more than 10mm of rain. The cumulative rainfall for the first 7 days of the month is between one-fifth and half of the long term average for the whole of July. River flows are **normal** for the time of year at half of our indicator sites.

- Rainfall totals for the past week range from 10mm in south-east England to 30mm in north-west and north-east England (Table 1 and Figure 1).
- Cumulative rainfall totals for the first 7 days of July ranged from 20% of the July long term average (LTA) in south-east England to 50% in north-east England (Table 1).
- River flows have increased at over half of our indicator sites. The latest daily mean flows are currently **normal** for the time of year at half of our indicator sites and **below normal** or lower, for the time of year at eighteen sites (Figure 2).

Outlook

Thursday and most of Friday will be dry. Some rain may affect northern England on Friday evening and further showers are likely on Saturday. Further outbreaks of rain are expected on Sunday, interspersed with drier periods, especially in the south and east. Monday is likely to be largely dry across southern and eastern England and more unsettled further north and west. Sunshine and showers are expected on Tuesday.

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

Geographic regions	Latest Week: 01 - 07 Jul '15	Latest month to date: Jul '15		Last month: Jun '15		Last 3 months: Apr '15 - Jun '15		Last 6 months: Jan '15 - Jun '15		Last 12 months: Jul '14 - Jun '15	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
north-west	30	30	37	45	58	228	104	567	113	1218	105
north-east	30	30	50	34	57	160	91	344	91	777	95
central	20	20	38	39	67	133	79	285	84	683	96
east	15	15	30	25	49	100	69	213	76	591	99
south-east	10	10	20	27	50	108	68	283	83	724	99
south-west	19	19	31	43	69	148	78	410	87	936	93
England	20	20	35	34	58	140	81	332	89	788	98

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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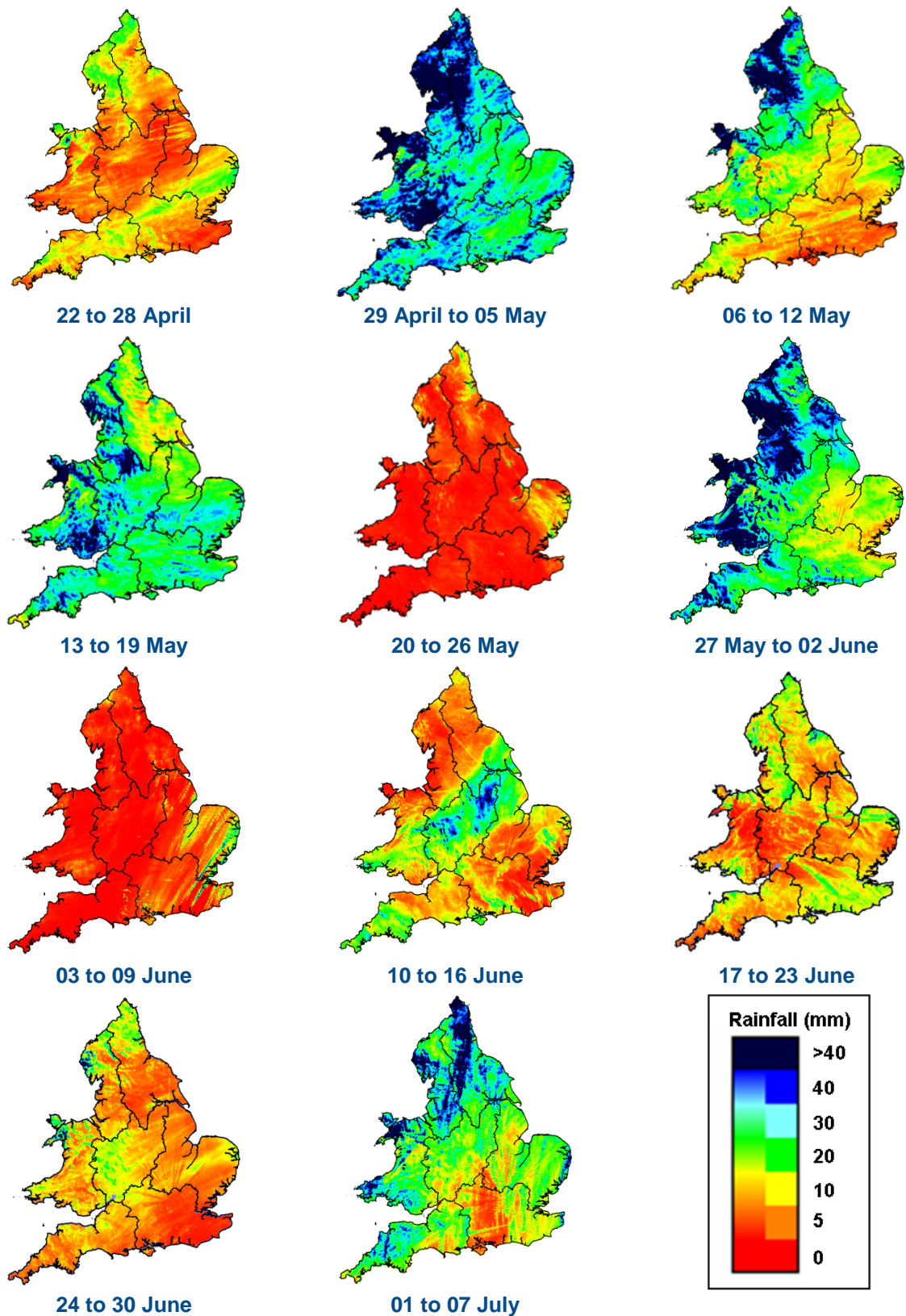
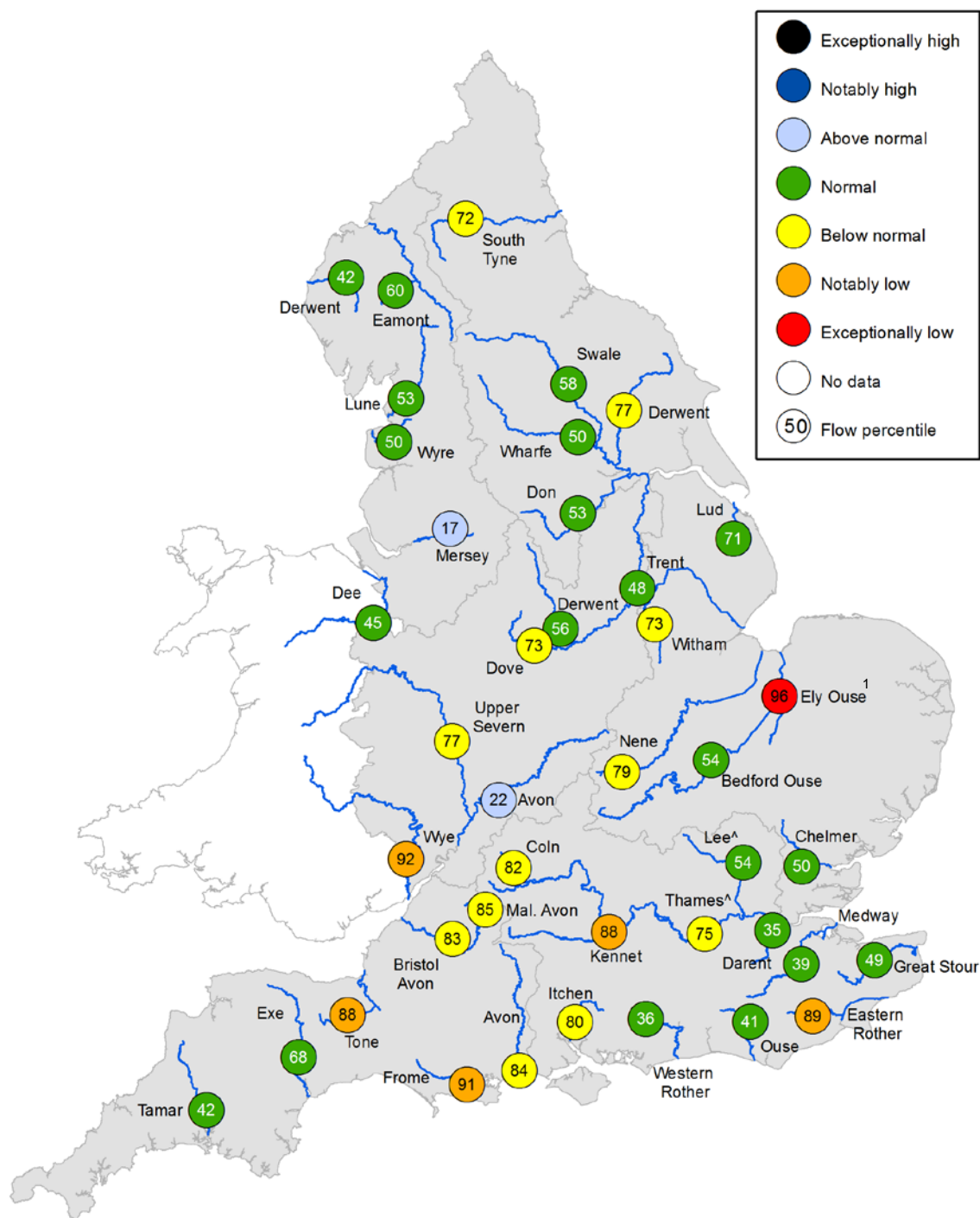


Figure 1: Weekly precipitation across England and Wales for the past 11 weeks. UKPP radar data (Source: Met Office © Crown Copyright, 2015). Note: Radar beam blockages may give anomalous totals in some areas. Crown copyright. All rights reserved. Environment Agency, 100026380, 2015.

River Flow



^ – ‘Naturalised’ flows are provided for the Thames at Kingston and the Lee at Feildes Weir.

1 Sluice gates on the Ely Ouse at Denver have been closed to maintain levels upstream, thus reducing the flows downstream

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 percentile² (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.