

Weekly rainfall and river flow summary



Environment
Agency

Weekly bulletin: Wednesday 24 to Tuesday 30 June 2015

Summary

The past week has been relatively dry across all of England, with most areas receiving less than 5mm of rainfall. River flows have decreased at almost all of the indicator sites compared to the previous week.

- Rainfall totals for the past week range from 2mm in east and south-east England to 8mm in north-west England (Table 1 and Figure 1).
- Cumulative rainfall totals for June ranged from just 50% of the June long term average (LTA) in south-east England to 76% in central England, with much of England receiving less than 60% of the June LTA (Table 1).
- River flows have decreased at nearly all of our indicator sites. The latest daily mean flows are currently **below normal** or lower for the time of year at three fifths of our indicator sites. Eleven sites are now **notably low** or lower, for the time of year (Figure 2).

Outlook

On Thursday, thundery showers will spread in from the south to affect most parts of England. Most of Friday will be dry before further thunderstorms break out later on Friday and into early Saturday morning. The rest of Saturday and Sunday will be largely dry, although there is the risk of some heavy showers moving into northern and western areas on Sunday. On Monday a frontal system arrives from the west to bring more persistent rain for western England. Generally changeable conditions are then expected on Tuesday, with dry weather interspersed with rain or heavy showers.

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

Geographic regions	Latest Week: 24 Jun - 30 Jun '15	Latest month to date: Jun '15		Last month: May '15		Last 3 months: Mar '15 - May '15		Last 6 months: Dec '14 - May '15		Last 12 months: Jun '14 - May '15	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
north-west	8	45	57	130	178	293	126	679	125	1216	105
north-east	5	35	60	96	160	189	103	387	97	789	96
central	3	44	76	75	130	144	86	310	87	700	98
east	2	28	55	55	114	101	71	240	84	607	102
south-east	2	27	50	60	110	107	65	308	85	734	101
south-west	5	42	67	81	122	151	71	446	85	948	94
England	4	36	61	79	135	154	86	372	94	800	99

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.

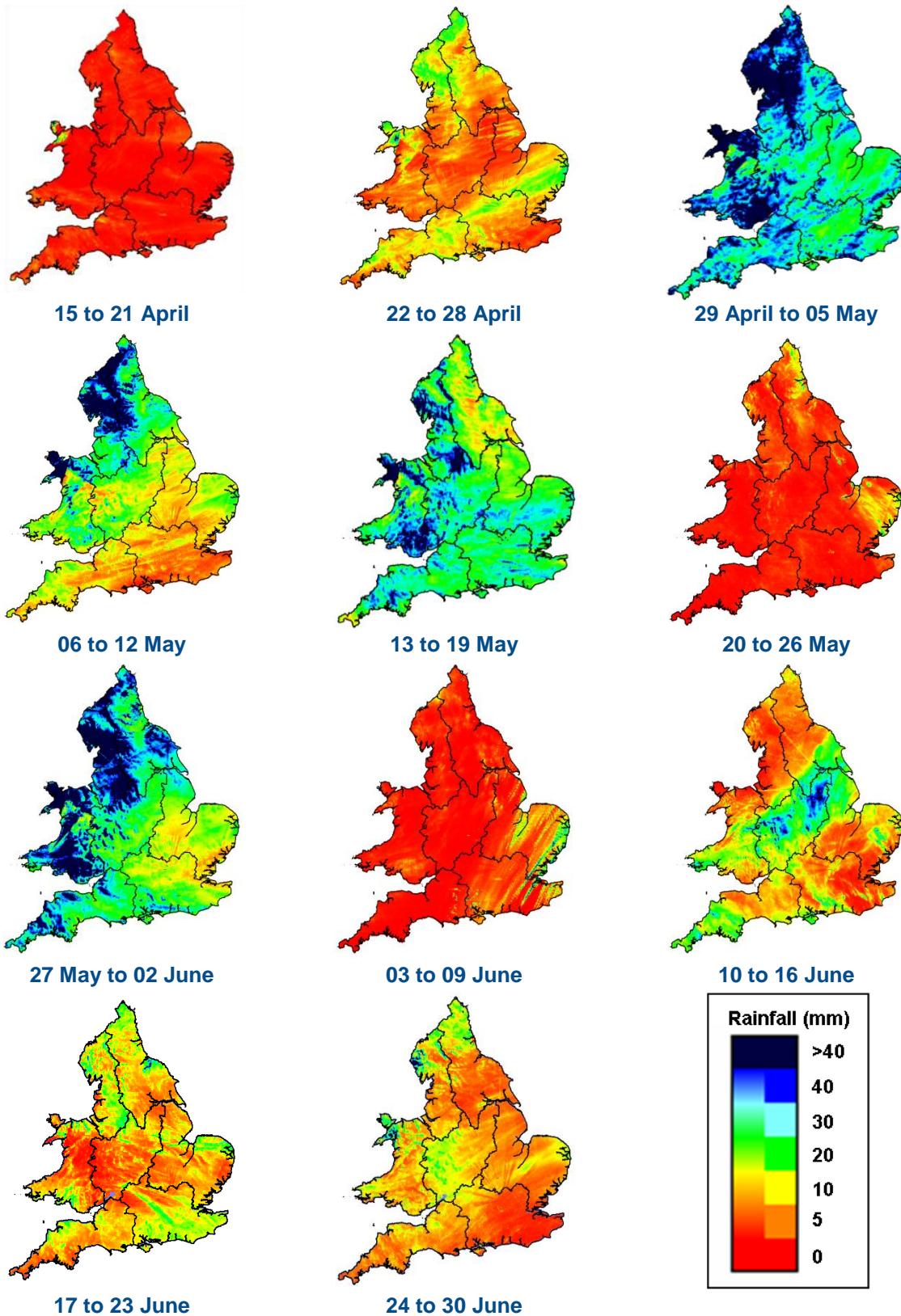
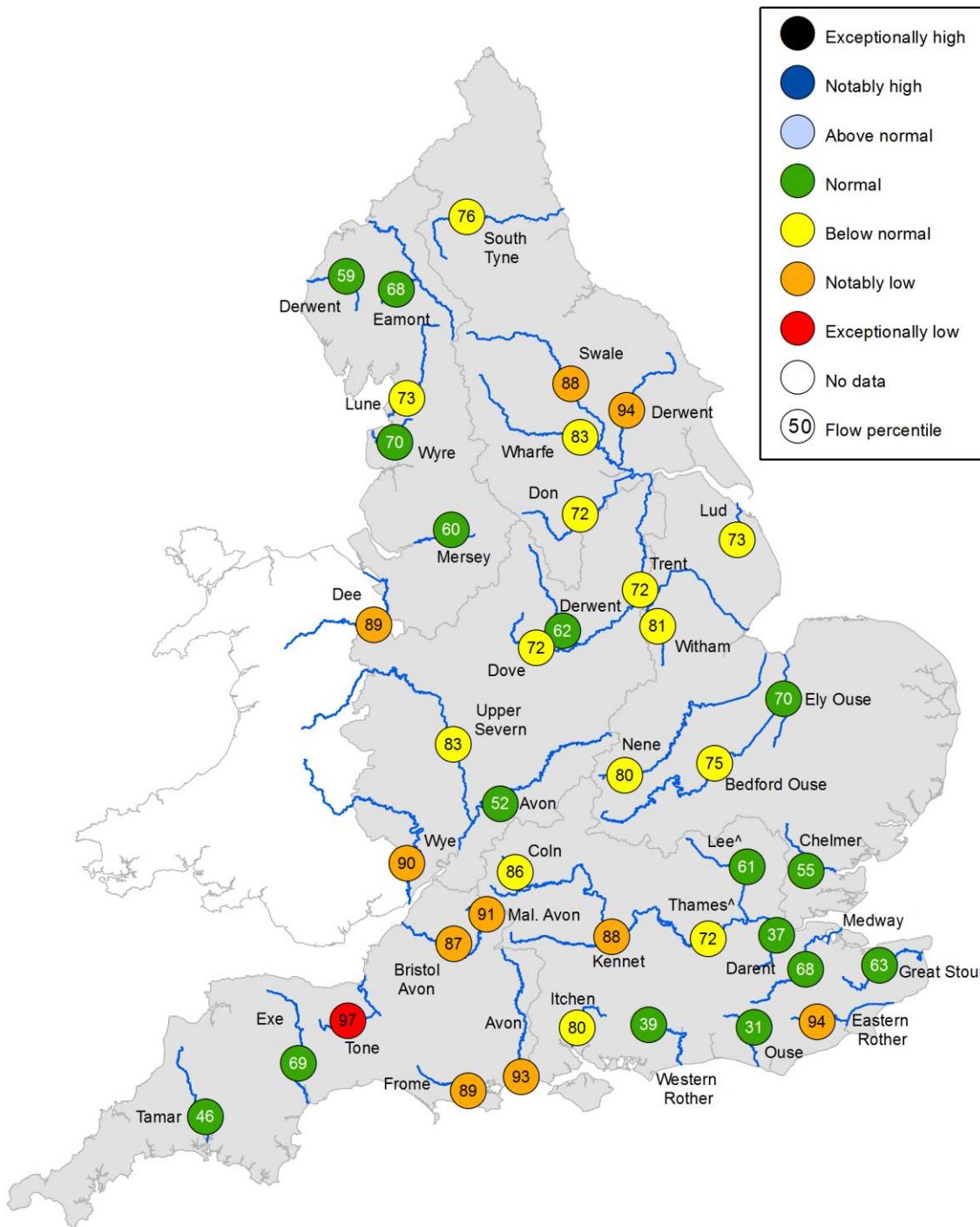


Figure 1: Weekly precipitation across England and Wales for the past 11 weeks. UKPP radar data (Source: Met Office © Crown Copyright, 2015). Note: Radar beam blockages may give anomalous totals in some areas. Crown copyright. All rights reserved. Environment Agency, 100026380, 2015.

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 percentile² 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.

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.