

Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 27 July to Tuesday 2 August 2016

Summary: The past week has been particularly wet in the south-west. River flows are normal or higher for the time of year at all sites.

Rainfall

The past week has been wetter than the previous weeks for southern and central England, especially in south-west and south-east England. Rainfall totals ranged from 14mm in north-west, central and east England to 40mm in south-west England (Table 1 and Figure 1). Cumulative rainfall totals for July ranged from 38% of the long term average (LTA) in south-west England to 126% in north-west England (Table 1).

River flow

River flows have increased at all of our indicator sites in the south of England compared to last week, while the majority of sites in the north of England have decreased. The latest daily mean flows are [normal](#) for the time of year at all our indicator sites, with 7 sites now [exceptionally high](#) for the time of year, all located in the south of England (Figure 2).

Outlook

Showers are possible across most parts of England on Thursday, some may turn heavy in the afternoon and evening. From Friday and over the weekend conditions are expected to be mainly dry across England with small amounts of rainfall possible in some areas. Monday is expected to remain largely dry, while some showery weather may move in on Tuesday.

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Geographic regions	Latest Week: 27 Jul to 2 Aug 2016	Latest month to date: Aug 2016		Last month: Jul 2016		Last 3 months: May 2016 to Jul 2016		Last 6 months: Feb 2016 to Jul 2016		Last 12 months: Aug 2015 to Jul 2016	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
north-west	14	6	5	104	126	280	120	602	128	1,600	138
north-east	15	2	3	58	94	179	99	408	113	1,106	135
central	14	10	15	32	62	192	115	405	124	852	119
east	14	7	13	32	64	183	123	347	124	697	117
south-east	24	21	36	21	43	178	113	371	118	869	119
south-west	40	36	48	23	38	184	97	452	108	1,165	115
England	20	13	19	41	72	194	111	417	119	1,002	124

Table 1: Latest rainfall summary information (Source: Met Office © Crown Copyright, 2016)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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Rainfall

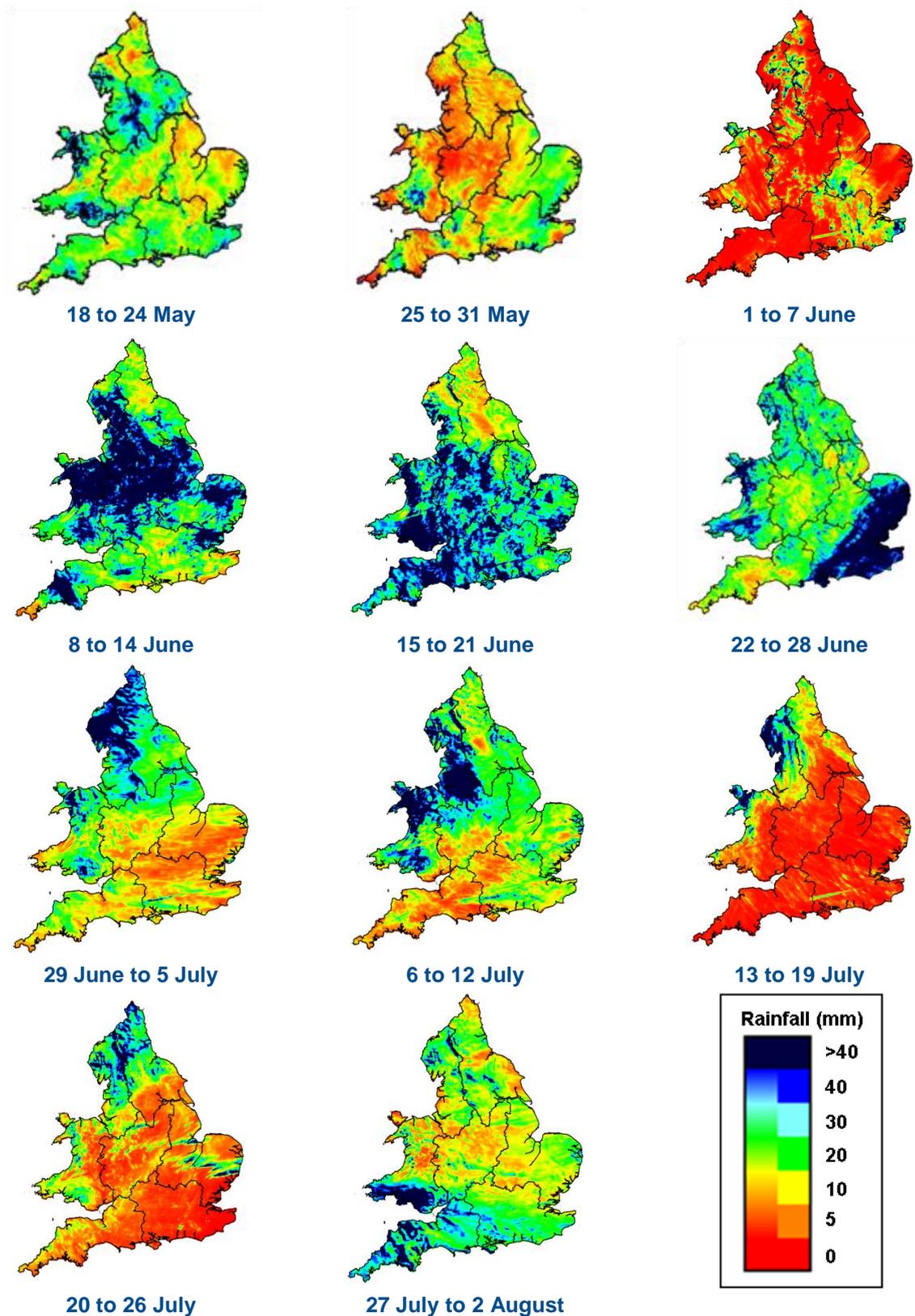
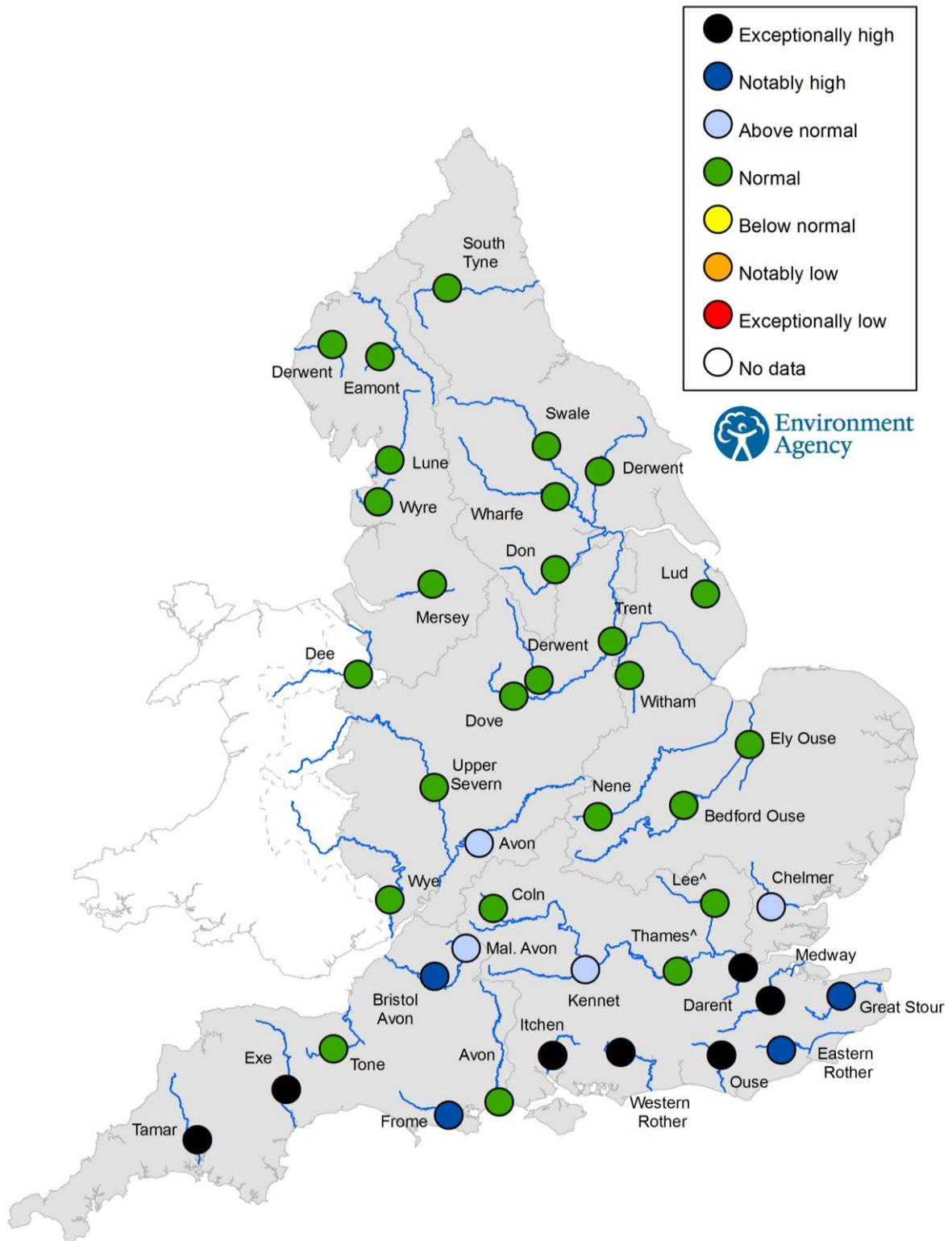


Figure 1: Weekly precipitation across England and Wales for the past 11 weeks. UKPP radar data (Source: Met Office © Crown Copyright, 2016). Note: Radar beam blockages may give anomalous totals in some areas. Crown copyright. All rights reserved. Environment Agency, 100026380, 2016.

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, classed by flow percentile for the same time of year² (Source: Environment Agency). Crown copyright. All rights reserved. Environment Agency, 100026380, 2016.

²Flow 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. Flow percentiles presented relate to an analysis for the time of year and not a whole year.

River flow categories

Exceptionally high	Value likely to fall within this band 5% of the time
Notably high	Value likely to fall within this band 8% of the time
Above normal	Value likely to fall within this band 15% of the time
Normal	Value likely to fall within this band 44% of the time
Below normal	Value likely to fall within this band 15% of the time
Notably low	Value likely to fall within this band 8% of the time
Exceptionally low	Value likely to fall within this band 5% of the time

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