

Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 27 July to Tuesday 2 August 2022

Summary: It has been a wet week across the northern half of the country and a drier week in the southern parts of England compared with last week. River flows decreased across a majority of sites we report on with most still being classed as below normal or lower for the time of year.

Rainfall

It has been a wetter week in northern England compared with last week, central England is similar to last week and it is drier in southern England compared with last week. Rainfall totals ranged from less than 1mm in south-east England to 35mm in north-west England (Table 1, Figure 1). Rainfall totals for July ranged from only 11% of the long-term average (LTA) in south-east England to 80% of the LTA in north-west England (Table 1).

River flow

River flows decreased at 58% of the sites we report on compared with the previous week. 18% of sites were classed as [normal](#), 29% were classed as [below normal](#), 24% were classed as [notably low](#) whilst 18% of sites were classed as [exceptionally low](#) for the time of year. Flows were [above normal](#) for 6% of sites, [notably high](#) for 2% of sites and [exceptionally high](#) for 4% of sites for the time of year (Figure 2).

Outlook

Thursday will be dry with sunny spells in the south and feeling much fresher, though still warm. Scattered showers further north. Friday to Sunday will be generally dry with spells of sunshine. Temperatures around average, but with chilly nights initially, becoming warmer later.

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Geographic regions	Latest Week: 27 Jul to 02 Aug 2022	Latest month to date: Aug 2022		Last month: Jul 2022		Last 3 months: May to Jul 2022		Last 6 months: Feb to Jul 2022		Last 12 months: Aug 2021 to Jul 2022	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
north-west	35	8	7	68	80	211	88	489	101	1,156	97
north-east	22	8	10	42	67	134	73	328	88	716	85
central	8	3	5	20	39	113	67	269	81	593	82
east	5	1	2	8	17	82	55	187	67	439	73
south-east	<1	0	0	5	11	88	55	207	65	541	74
south-west	3	0	0	13	22	126	66	308	73	808	79
England	11	3	4	23	39	119	66	282	78	671	81

Table 1 Latest rainfall summary information (Source: Met Office © Crown Copyright, 2022)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 are 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.

Rainfall

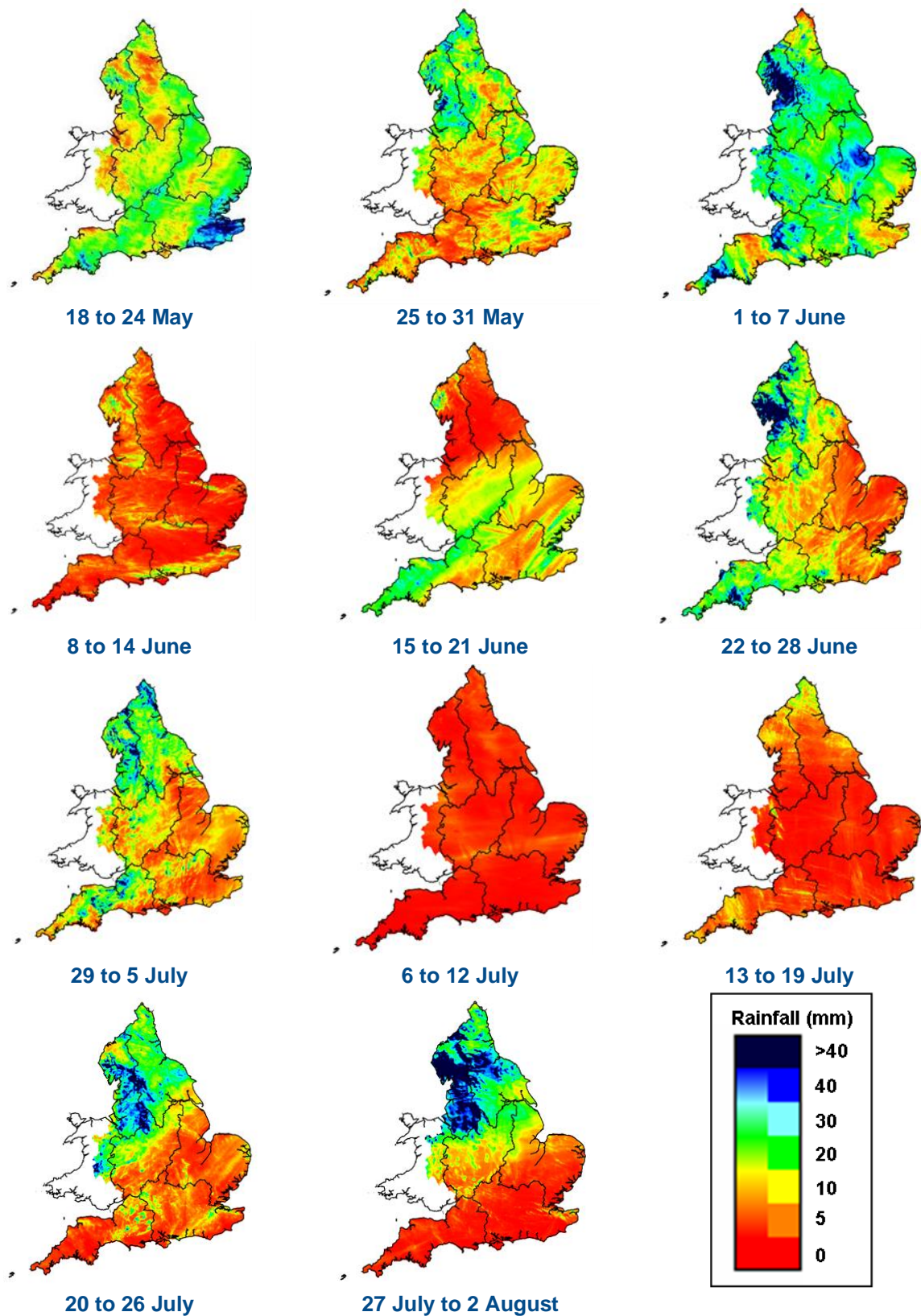
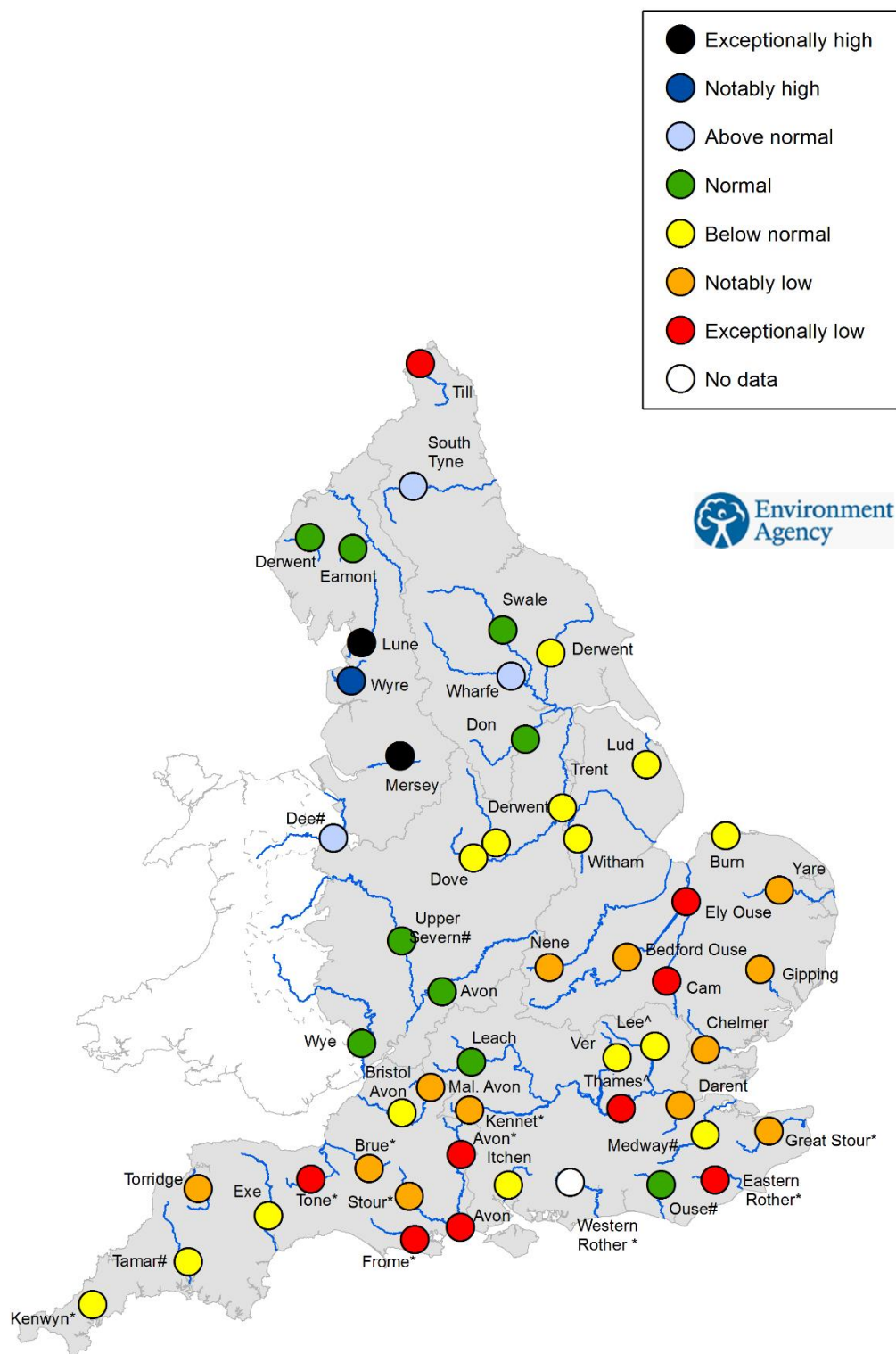


Figure 1 Weekly precipitation across England and Wales for the past 11 weeks. UKPP radar data (Source: Met Office © Crown Copyright, 2022). Note: Images may sometimes include straight lines originating from the centre of the radar, resulting from tall trees and buildings located near the radar installation affecting its performance. This does not reflect actual conditions on the ground. Crown copyright. All rights reserved. Environment Agency, 100024198, 2022.

River flow



^ 'Naturalised' flows are provided for the River Thames at Kingston and the River Lee at Feildes Weir.

* Flows may be currently overestimated at these sites so the data should be treated with caution

Flows may be impacted at these sites by water releases from upstream reservoirs.

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, 100024198, 2022³.

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.

³The flow sites in this report are indicator sites providing a National overview and a subset of a wider flow monitoring network.

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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