Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 24 July to Tuesday 30 July 2024

Summary: It has been another dry week across England. River flows have decreased at nearly all reporting sites compared to the previous week, with almost all river flows classed as normal or above for the time of year.

Rainfall

It has been another dry week across England with the majority of the country receiving less rainfall and only the south-east receiving more rainfall than the previous week. Rainfall totals for the week ranged from just 1mm in central and east England to 7mm in south-west England. (Figure 1). All regions continue to exceed the expected long term average (LTA) rainfall for the month to date (Table 1).

River flow

River flows have decreased at all but one of reporting sites compared to the previous week. Almost all river flows at reporting sites were classed as normal or above for the time of year. 2 sites in south-east England were classed as exceptionally high, 3 sites were notably high and 13 sites were above normal. Almost two-thirds of sites were classed as normal for the time of year whilst 1 other site was classed as below normal for the time of year. (Figure 2).

Outlook

Thursday is forecast to have thundery showers across parts of central England moving east throughout the day. It will feel cooler moving into Friday with the majority of the country being sunny and dry, this theme will also continue into the weekend. Monday and Tuesday will see mixed conditions with light rain showers and sunny intervals across most of England.

Geographic regions	Latest Week: 24 to 30 Jul 2024	Latest month to date: Jul 2024		Last month: Jun 2024		Last 3 months: Apr to Jun 2024		Last 6 months: Jan to Jun 2024		Last 12 months: Jul 2023 to Jun 2024	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
north-west	4	89	105	70	86	330	146	753	146	1,763	147
north-east	3	84	134	45	73	231	129	495	128	1,217	145
central	1	74	141	32	55	183	108	454	132	1,045	145
east	1	80	161	26	51	155	106	358	127	842	140
south-east	4	78	160	19	34	165	102	473	138	1,064	145
south-west	7	91	148	27	43	212	110	667	140	1,494	146
England	3	82	141	34	57	203	116	512	135	1,189	145

Table 1 Latest rainfall summary information (Source: Met Office © Crown Copyright, 2024)[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.

Rainfall

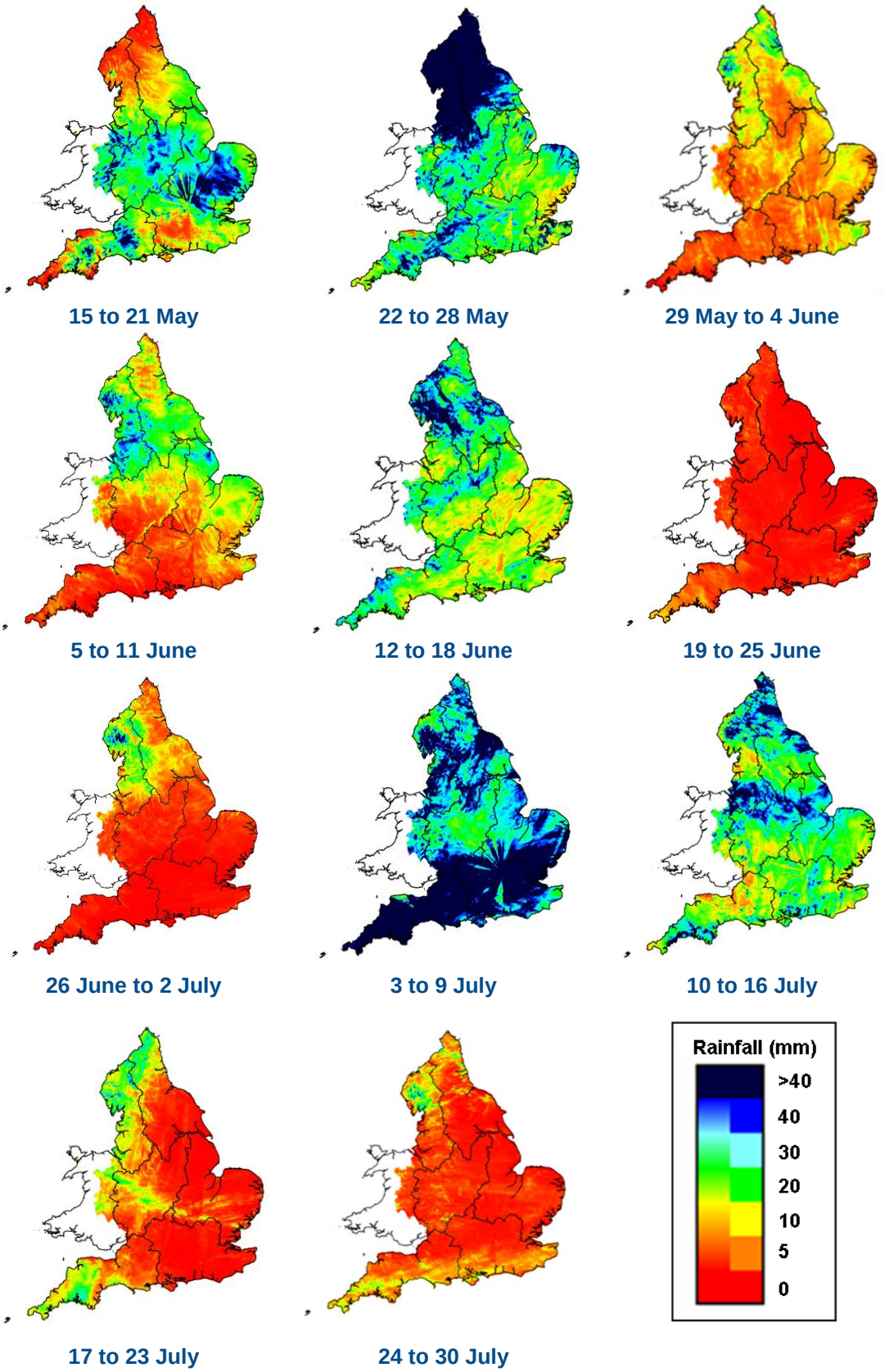
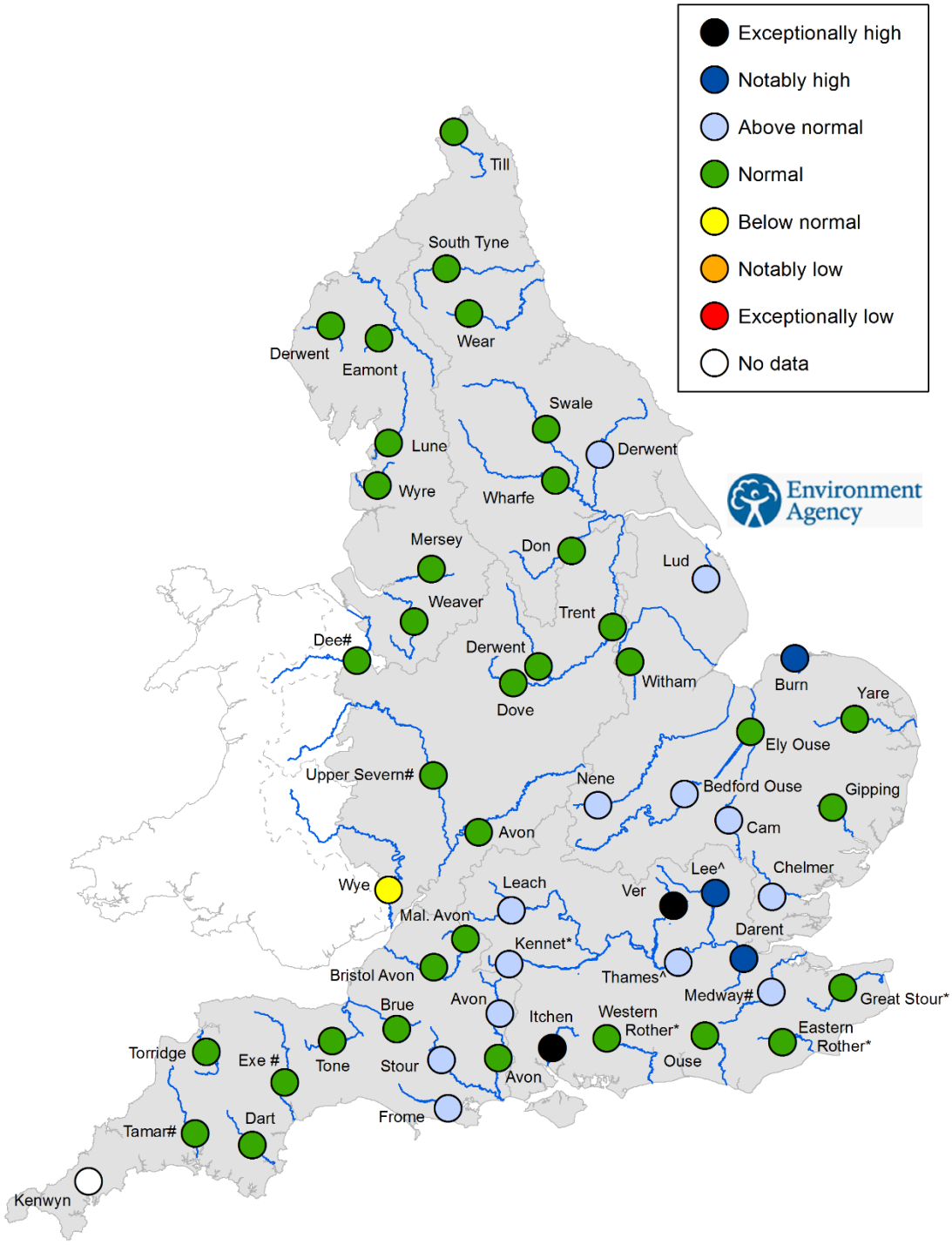


Figure 1 Weekly precipitation across England and Wales for the past 11 weeks. UKPP radar data (Source: Met Office © Crown Copyright, 2024). Note: Images may sometimes include straight lines originating from the centre of the radar, resulting from tall trees and buildings located near the radar installation affecting its performance. This does not reflect actual conditions on the ground. Crown copyright. All rights reserved. Environment Agency, 100024198, 2024.

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 year[2] (Source: Environment Agency). Crown copyright. All rights reserved. Environment Agency, 100024198, 2024[3].

[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. Flow percentiles presented relate to an analysis for the time of year and not a whole year.
[3]The 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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