

Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 31 July to Tuesday 6 August 2024

Summary: It has been a wetter week across most of England. River flows have decreased at more than half of 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 a wetter week across most of England with all areas except the south-west receiving more rainfall than the previous week. Rainfall totals for the week ranged from just 5mm in east England to 23mm in north-west England. (Table 1, Figure 1). Rainfall totals for July ranged from 106% of long-term average (LTA) rainfall in north-west England to 155% of LTA in south-west England. (Table 1).

River flow

River flows have decreased at more than half (54%) of reporting sites compared to the previous week. Almost all river flows at reporting sites were classed as [normal](#) or above with only one site classed as below normal. Thirty-two sites (58%) were classed as [normal](#) and seventeen sites (31%) were [above normal](#) for the time of year. Two sites (4%) in were classed as [exceptionally high](#), three sites (5%) were [notably high](#). (Figure 2).

Outlook

Cloud and rain will move in from the west throughout Thursday turning heavier in northern England during the afternoon. More settled conditions are forecast for England on Friday however some showers are expected on Saturday especially across central areas. Drier and more settled conditions are expected across England from Sunday through to Tuesday with temperatures anticipated to possibly reach the low to mid-thirties.

Geographic regions	Latest Week: 31 Jul to 6 Aug 2024	Latest month to date: Aug 2024		Last month: Jul 2024		Last 3 months: May to Jul 2024		Last 6 months: Feb to Jul 2024		Last 12 months: Aug 2023 to Jul 2024	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
north-west	23	21	19	91	106	283	117	683	141	1,647	138
north-east	11	7	9	81	131	214	116	477	129	1,165	139
central	6	5	8	68	130	177	105	462	140	1,006	139
east	5	4	8	72	144	169	113	379	135	828	138
south-east	9	9	15	74	152	163	103	473	149	1,052	144
south-west	7	7	9	95	155	214	111	662	156	1,447	142
England	9	8	11	79	136	197	111	506	142	1,148	140

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.

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

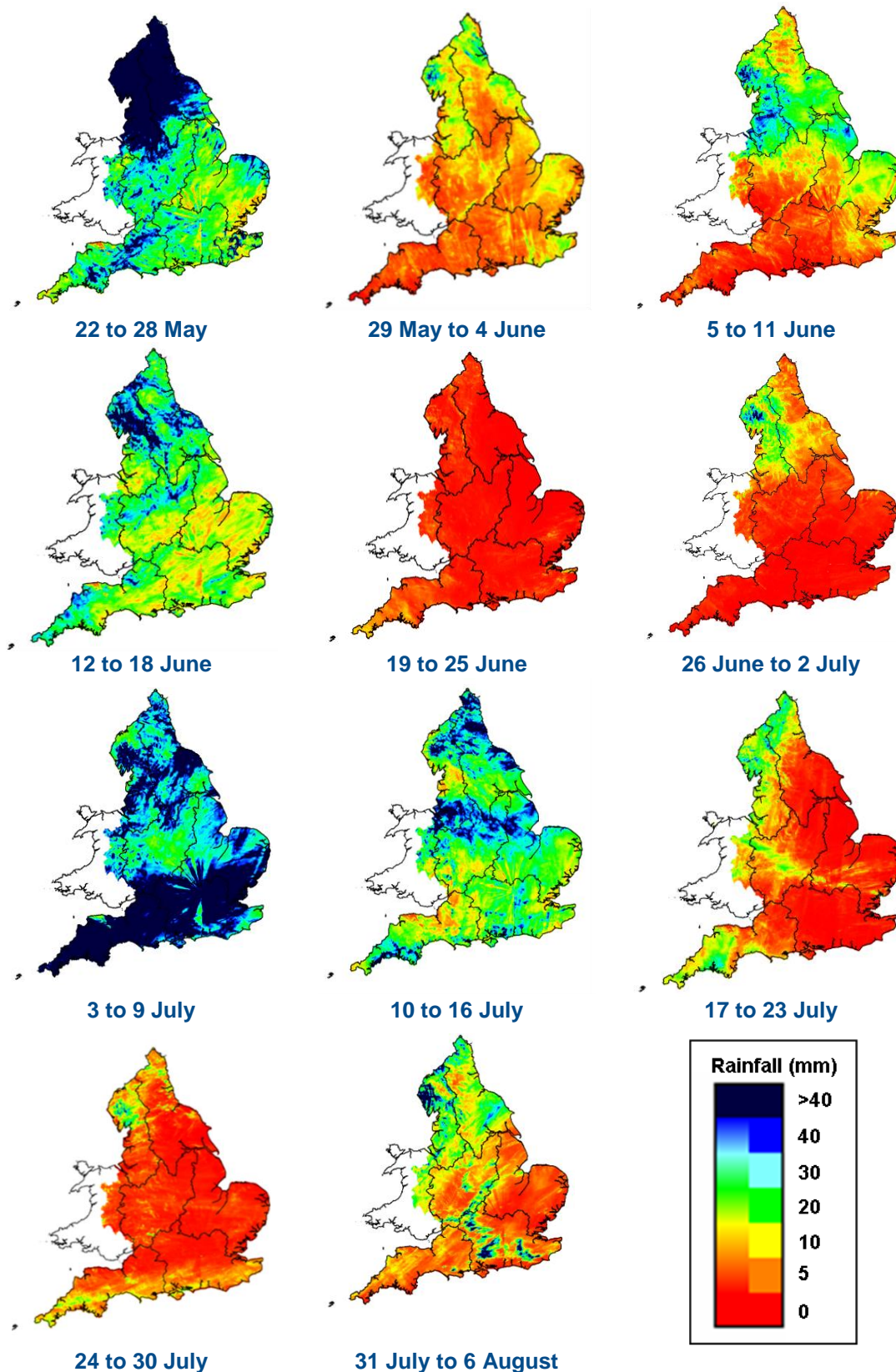
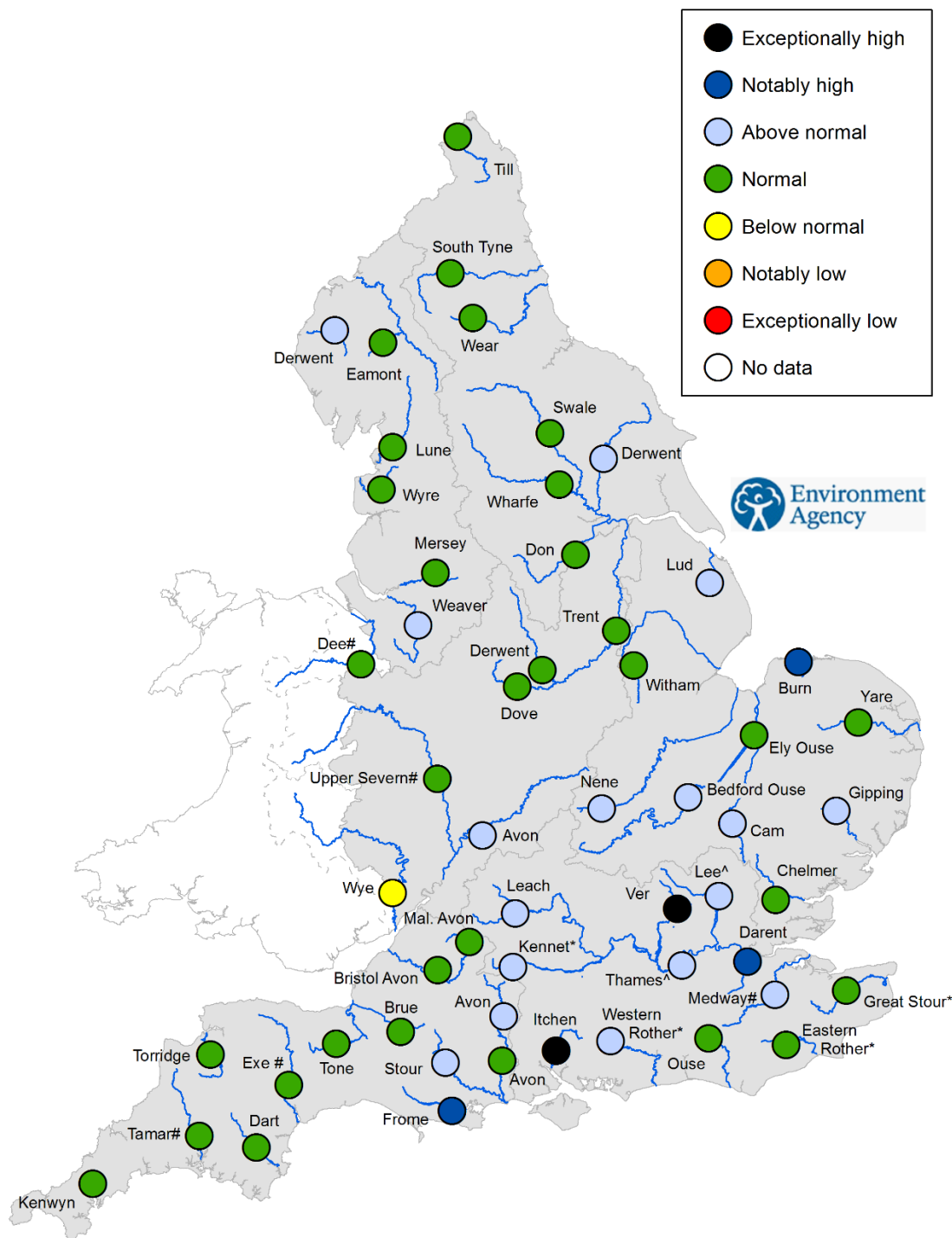


Figure 1 Weekly precipitation across England and Wales for the past 11 weeks. UKPP radar data (Source: Met Office © Crown Copyright, 2024). Note: Images may sometimes include straight lines originating from the centre of the radar, resulting from tall trees and buildings located near the radar installation 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 year² (Source: Environment Agency). Crown copyright. All rights reserved. Environment Agency, 100024198, 2024³.

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

[Return to summary page](#)