

Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 4 September to Tuesday 10 September 2024

Summary: It has been a wetter week across England. River flows have increased at the majority of reporting sites compared to the previous week, with all river flows now classed as normal or above for the time of year.

Rainfall

It has been a wetter week across England compared to the previous week, rainfall totals for the week ranged from 11mm in east, to 54mm in south-west England (Table 1, Figure 1). Rainfall totals for the month so far ranged from 31% of the long term average (LTA) in east England to 75% of the LTA in central and south-west England (Table 1).

River flow

Rivers have responded to the recent rainfall with flows increasing at the majority (89%) of reporting sites when compared to the previous week. Flows at all the reporting sites were classed as [normal](#) or above for the time of year. Flow at 25 sites (45%) were [above normal](#), with 11 sites (20%) classed as [notably high](#) and 6 sites classed as [exceptionally high](#) (Figure 2).

Outlook

Thursday is expected to be chilly and breezy with some sunny spells and scattered showers particularly across the north and west of England. Drier conditions are expected for much of England through Friday and the weekend with outbreaks of rain in northwest England. Cloud and outbreaks of rain are likely to return on Monday, perhaps heavy in places affecting some northern areas.

Geographic regions	Latest Week: 04 to 10 Sep 2024	Latest month to date: Sep 2024		Last month: Aug 2024		Last 3 months: Jun to Aug 2024		Last 6 months: Mar to Aug 2024		Last 12 months: Sep 2023 to Aug 2024	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
north-west	41	56	49	140	130	300	110	686	133	1,675	140
north-east	23	31	43	39	51	165	82	431	111	1,119	134
central	34	46	75	27	42	127	72	374	109	981	136
east	11	15	31	20	36	118	75	293	98	796	133
south-east	39	41	65	38	66	131	81	370	113	1,025	140
south-west	54	63	75	50	65	173	86	507	122	1,412	138
England	32	40	57	46	65	159	84	423	114	1,122	137

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

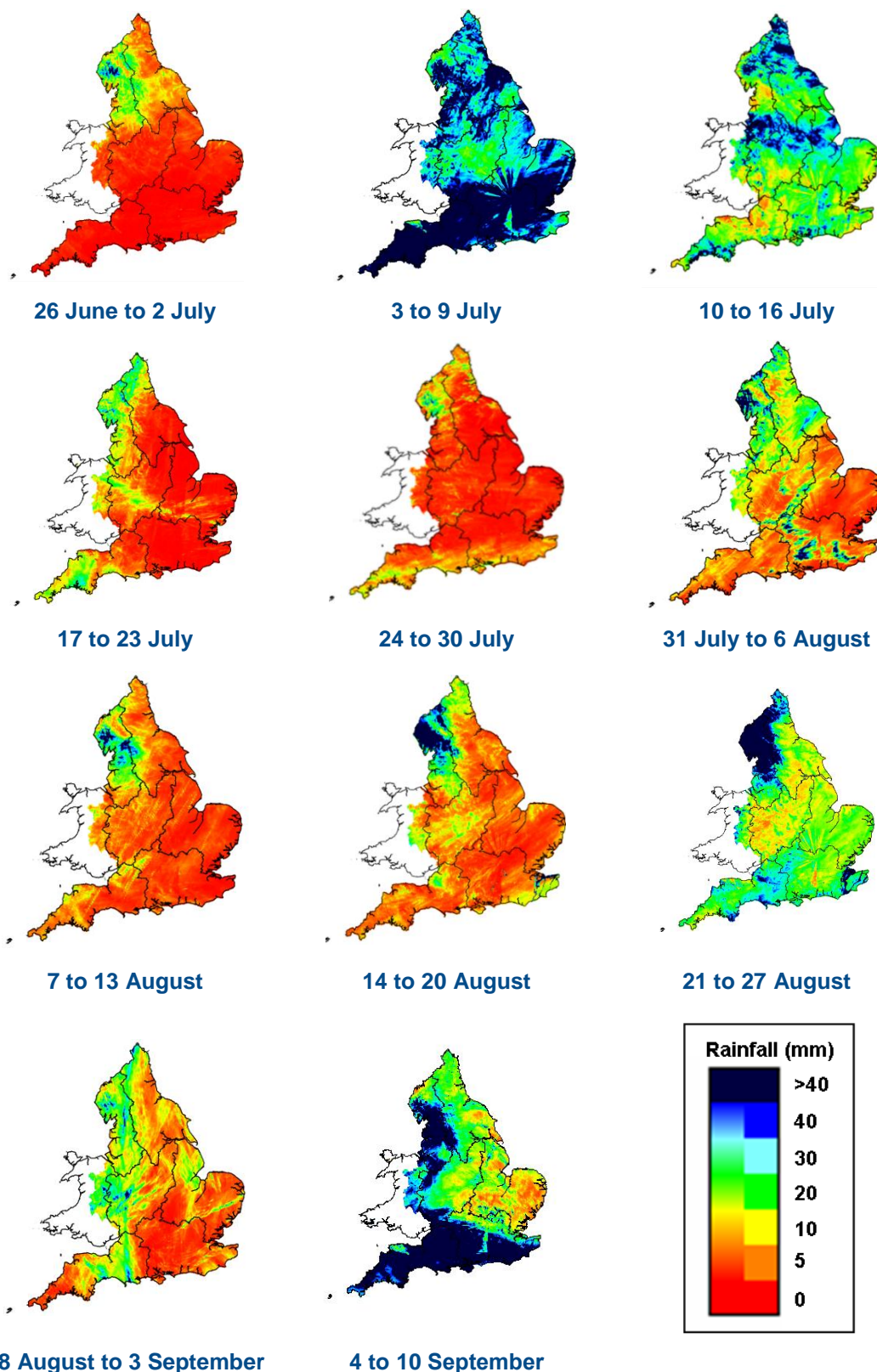
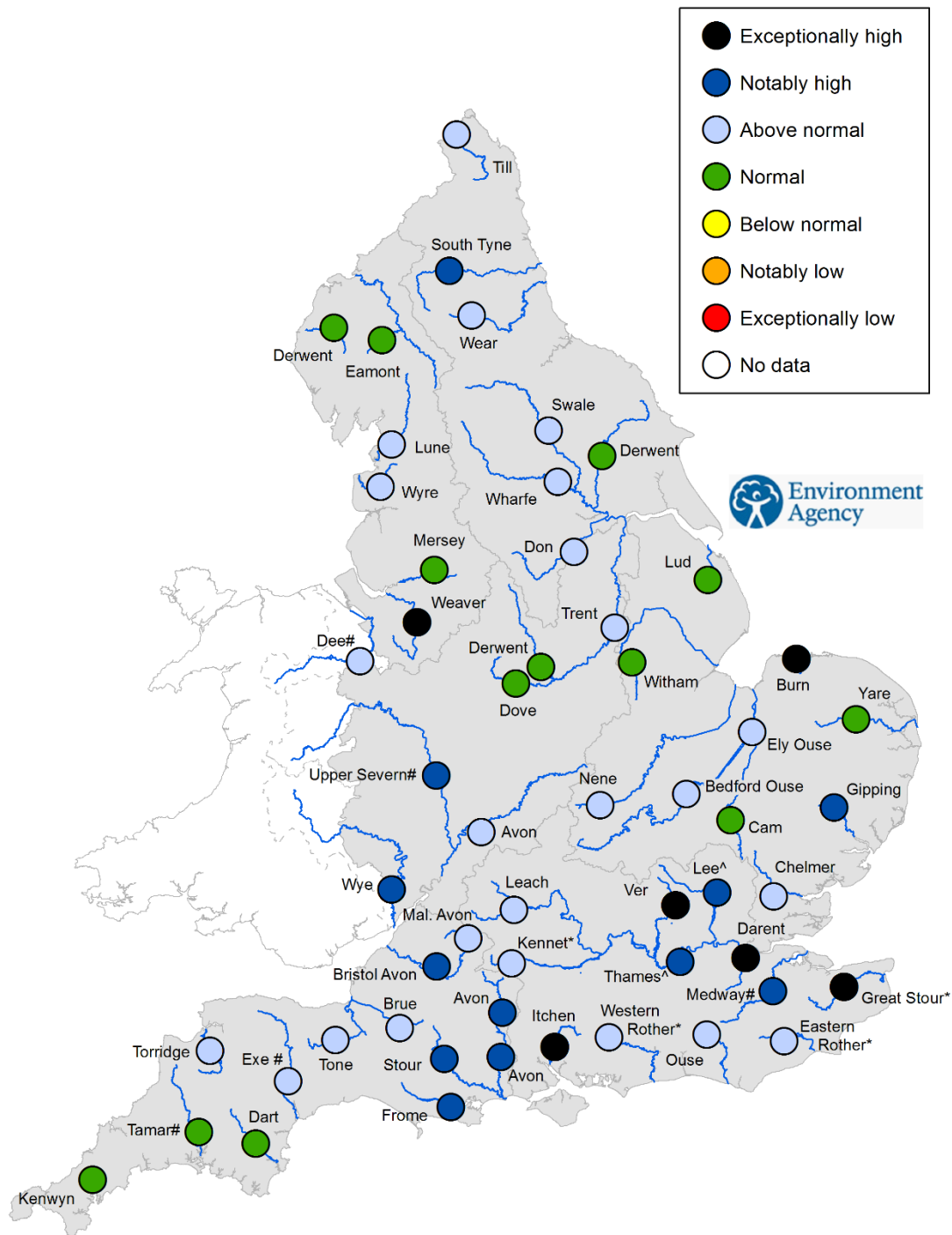


Figure 1 Weekly precipitation across England and Wales for the past 11 weeks. UKPP radar data (Source: Met Office © Crown Copyright, 2024). Note: Images may sometimes include straight lines originating from the centre of the radar, resulting from tall trees and buildings located near the radar installation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

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