

Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 16 October to Tuesday 22 October 2024

Summary: It has been a wetter week across England compared to the previous week. River flows increased at nearly two-thirds of reporting sites and flows at most sites were above normal or higher for the time of year.

Rainfall

It has been another wet week across England particularly in the north-west. Rainfall totals ranged from 13mm in the east to 63mm in the north-west (Table 1, Figure 1). Rainfall totals for October to date range from 86% of the long-term average (LTA) in north-west England to 137% of the LTA in central England (Table 1).

River flow

River flows increased at the majority (61%) of reporting sites when compared to the previous week. All reporting sites were [normal](#) or higher for the time of year. Flows at 22 sites (40%) were classed as [above normal](#), 17 sites (31%) were [notably high](#) and 11 sites (20%) were [exceptionally high](#) for the time of year. Flows at only 5 sites (9% of the total) were classed as normal. (Figure 2).

Outlook

A fine day for most is forecast for Thursday. Conditions will become more unsettled across England on Friday with the chance of showers for many areas. The unsettled conditions continue into Saturday with heavier rain expected for western areas. On Sunday, more settled conditions return bringing a dry day for most of England. The settled weather persists on Monday and Tuesday with only a slight chance of a shower.

Geographic regions	Latest Week: 16 to 22 Oct 2024	Latest month to date: Oct 2024		Last month: Sep 2024		Last 3 months: Jul to Sep 2024		Last 6 months: Apr to Sep 2024		Last 12 months: Oct 2023 to Sep 2024	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
north-west	63	108	86	130	113	360	117	690	129	1,649	138
north-east	31	76	103	105	148	226	107	457	117	1,141	136
central	33	83	137	154	253	249	140	432	124	1,067	148
east	13	54	107	101	203	193	125	348	115	840	140
south-east	26	81	114	156	245	268	157	433	131	1,119	153
south-west	37	123	124	159	191	304	137	515	125	1,475	144
England	31	85	111	133	189	258	130	462	123	1,173	143

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

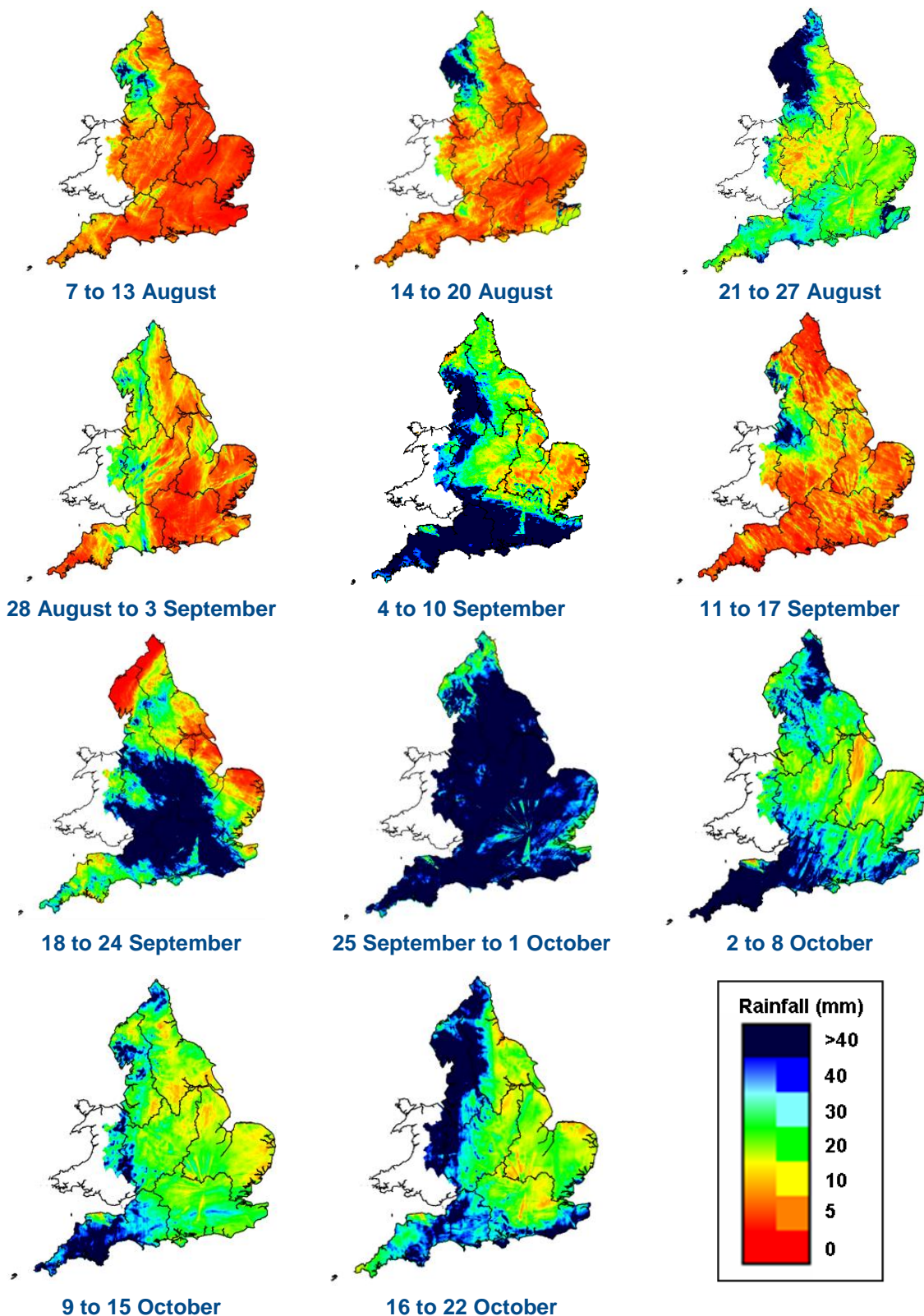
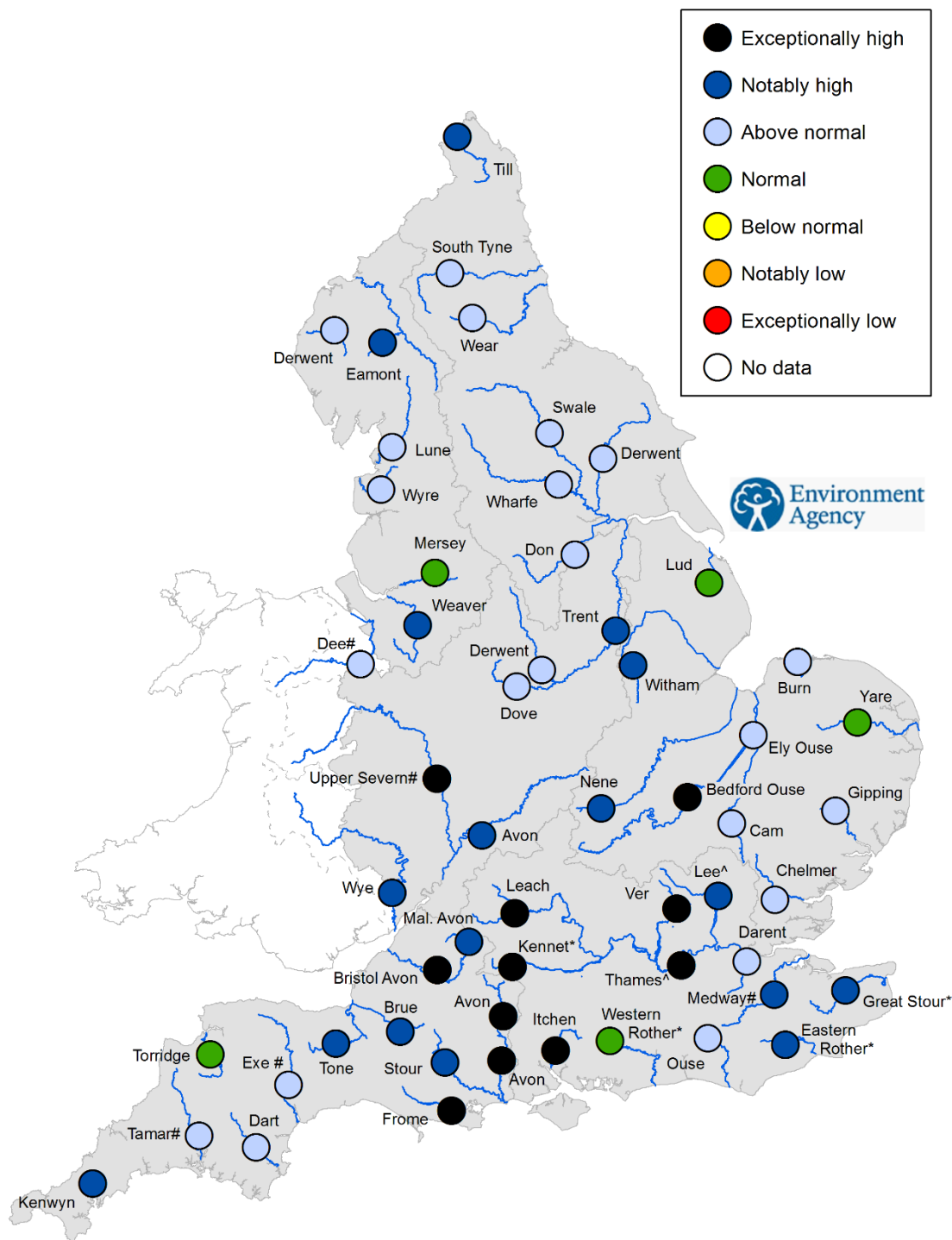


Figure 1 Weekly precipitation across England and Wales for the past 11 weeks. UKPP radar data (Source: Met Office © Crown Copyright, 2024). Note: Images may sometimes include straight lines originating from the centre of the radar, resulting from tall trees and buildings located near the radar installation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