

Weekly rainfall and river flow summary

Weekly bulletin: Wednesday 7 February to Tuesday 13 February 2024

Summary: It has been a very wet week across the whole of England with significantly more rainfall compared with last week. River flows increased at nearly all of the sites we report on.

Rainfall

It has been a very wet week across the whole of the country with significantly more rainfall than last week. Rainfall totals for the week ranged from 35mm in the north-west to 47mm in the south-west (Table 1, Figure 1). Rainfall totals to date in February, range from 57% of the long term average (LTA) in north-west England, to 151% of the LTA in east England (Table1).

River flow

River flows increased at nearly all of our reporting sites with 94% reporting an increase in daily mean flow compared to the previous week. 80% of sites are now classed as [above normal](#) or higher for the time of year. 19% of sites were classed as being [exceptionally high](#), 19% were classed as [notably high](#), 43% were classed as [above normal](#) whilst the remaining 20% were classed as [normal](#) flows for the time of year. (Figure 2).

Outlook

Thursday will generally be cloudy with light showers for many, south-east England will remain drier with some spells of sunshine. Friday will be drier overall with moderate cloud cover and some scattered showers. The weekend begins largely dry and cloudy, showers are expected in many parts of the country before turning brighter and warmer for most on Sunday. Monday and Tuesday will be unsettled with cloudy conditions, light rain with some sunny intervals.

Geographic regions	Latest Week: 7 to 13 Feb 2024	Latest month to date: Feb 2024		Last month: Jan 2024		Last 3 months: Nov 2023 to Jan 2024		Last 6 months: Aug 2023 to Jan 2024		Last 12 months: Feb 2023 to Jan 2024	
	Total (mm)	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA	Total (mm)	% LTA
north-west	35	44	57	161	137	546	150	964	135	1,522	127
north-east	42	47	80	99	124	362	148	688	147	1,067	127
central	46	63	123	60	90	273	134	543	139	912	126
east	43	57	151	50	99	212	129	449	140	752	125
south-east	38	52	106	74	102	303	137	579	140	939	128
south-west	47	67	80	100	87	452	133	785	131	1,289	126
England	42	55	96	85	106	341	139	642	138	1,040	127

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

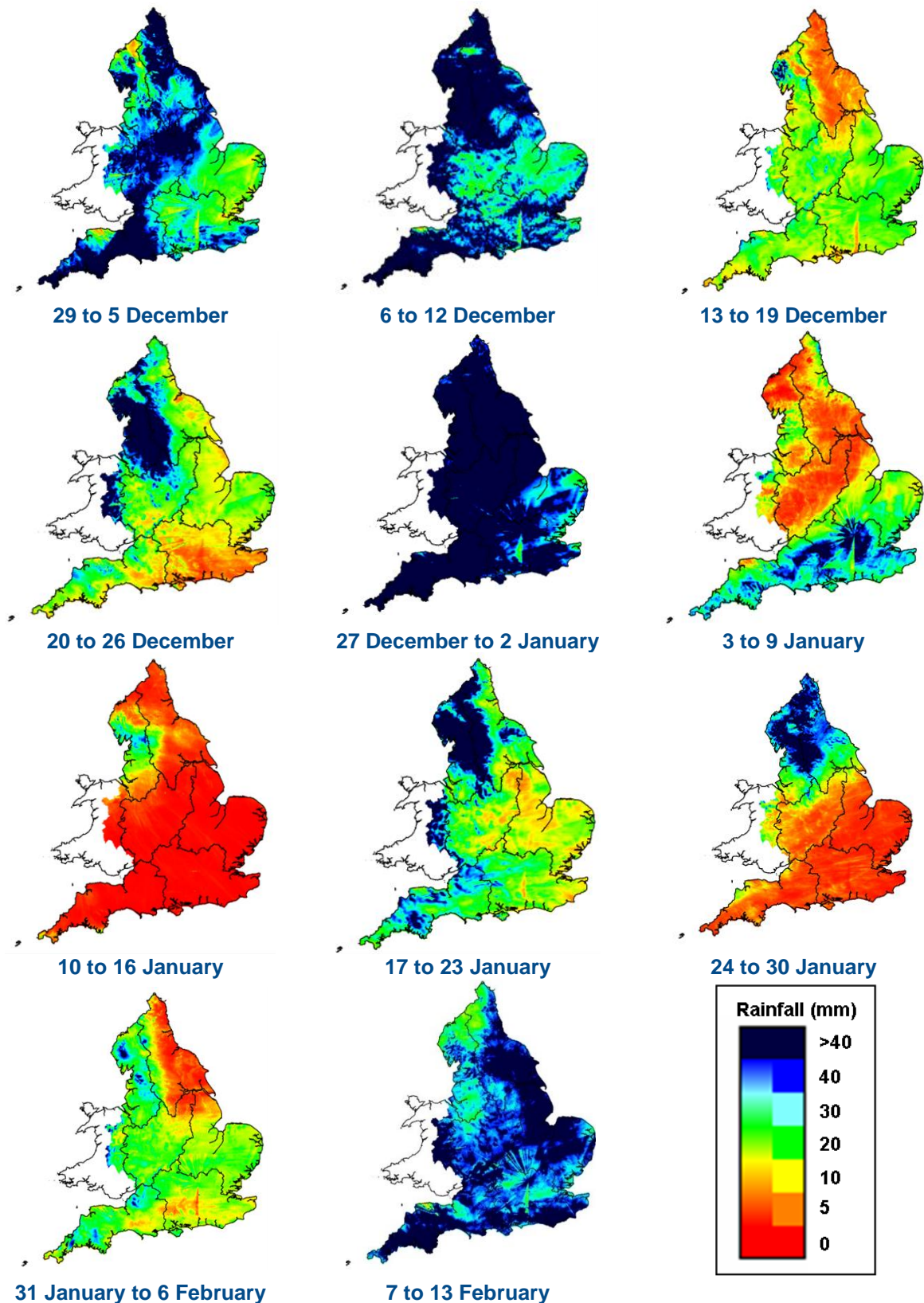
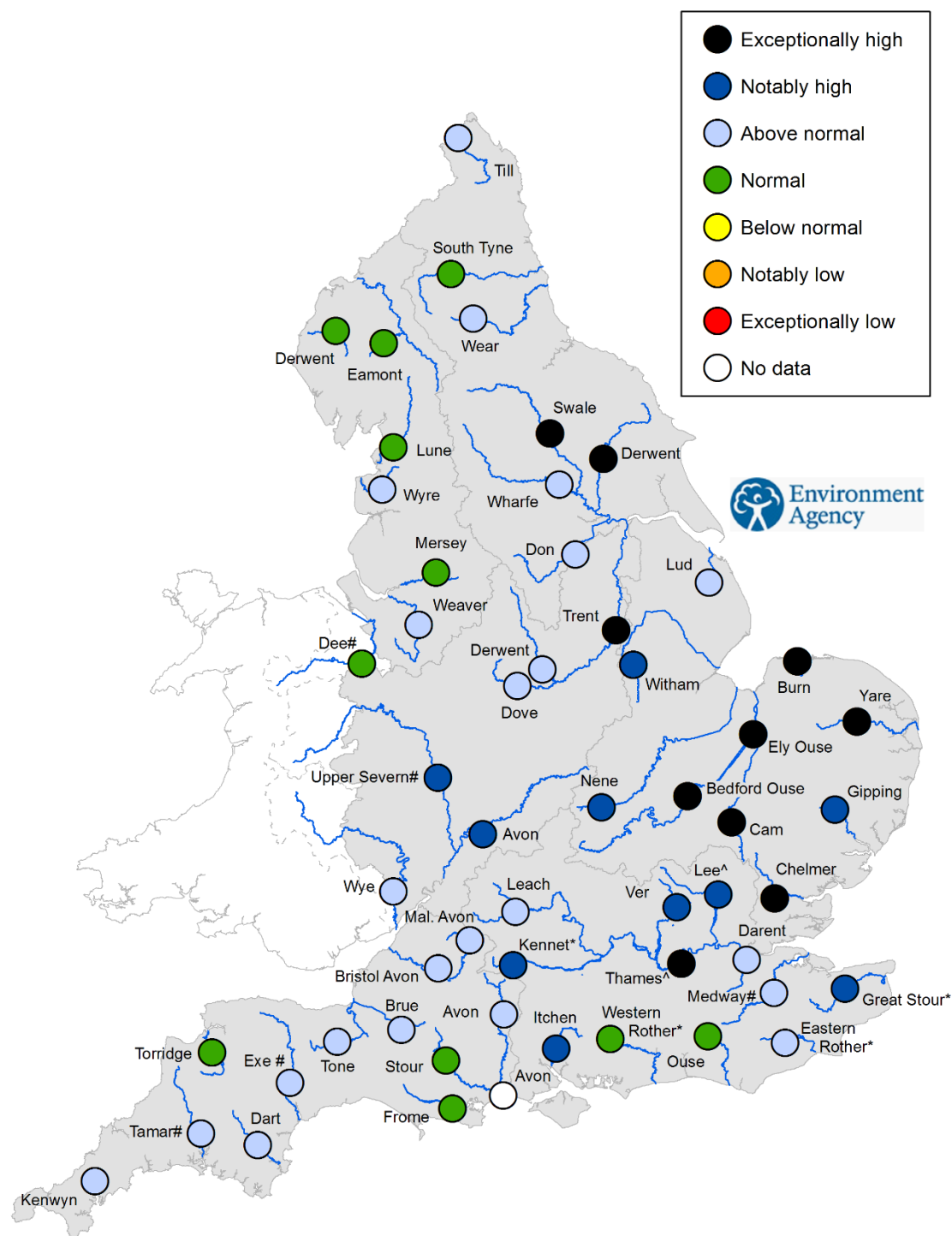


Figure 1 Weekly precipitation across England and Wales for the past 11 weeks. UKPP radar data (Source: Met Office © Crown Copyright, 2024). Note: Images may sometimes include straight lines originating from the centre of the radar, resulting from tall trees and buildings located near the radar installation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

[Return to summary page](#)