

Period: July 2017 – September 2017

Issued on 05.07.2017 using data to the end of June

**SUMMARY:** Following above average rainfall for June for many Northern and Western regions, it is likely that river flows for July will be in the *Normal range* or above in these areas. Elsewhere, (e.g. South East and Severn regions), following below normal rainfall in June, river flows are likely to be in the *Normal range* or below.

**Over the next 3 months** it is likely that that river flows will be in the *Normal range* or above for most regions, excepting Severn and South Eastern regions, where flows are most likely to be in the *Normal range* or below.

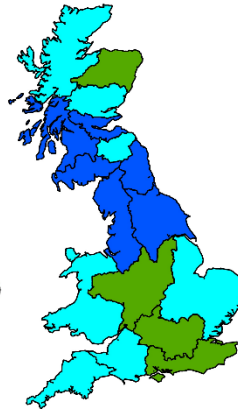
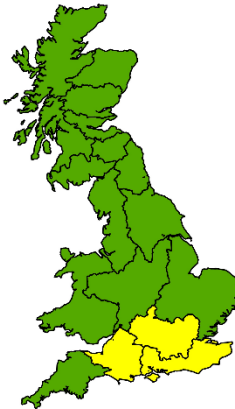
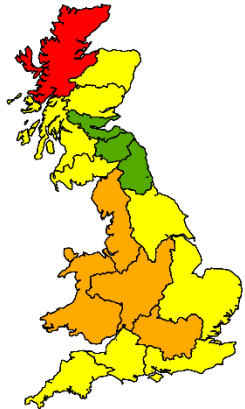
Lowest rainfall forecast

1<sup>st</sup> quartile

Median

3<sup>rd</sup> quartile

Highest rainfall forecast



1-month flow outlook

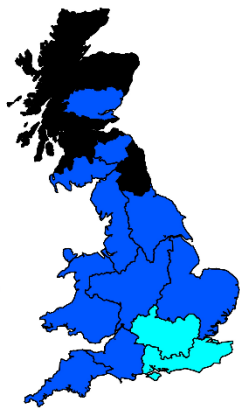
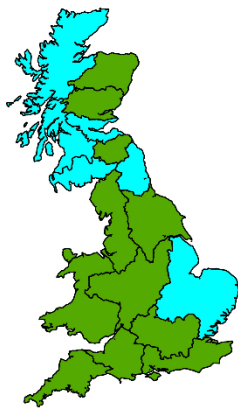
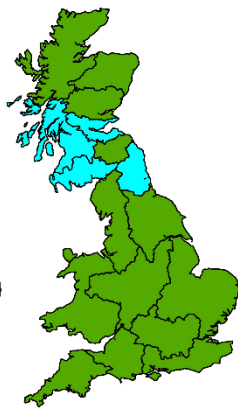
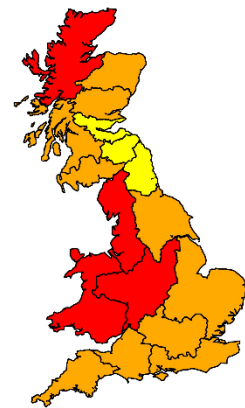
Lowest rainfall forecast

1<sup>st</sup> quartile

Median

3<sup>rd</sup> quartile

Highest rainfall forecast



3-month flow outlook

These forecasts are produced by using five members of the Met Office rainfall forecast ensemble as input to a water balance hydrological model to provide the five estimates of river flows shown on the left for one month and three months ahead.

Regional forecast monthly-mean river flows are derived from the average of 1km river flow estimates within each region and ranked in terms of 54 years of historical flow estimates (1963 – 2016).

The five maps illustrate the wide range of possible flows and while there is a 50% chance of flows between the 1<sup>st</sup> and 3<sup>rd</sup> quartiles, actual flows may be more extreme than the flows derived using the highest or lowest rainfall forecasts.

**Key**

	Percentile range of historic values for relevant month
Exceptionally high flow	> 95
Notably high flow	87-95
Above normal	72-87
Normal range	28-72
Below normal	13-28
Notably low flow	5-13
Exceptionally low flow	< 5

**SCOTLAND**

- HR Highlands Region
- NER North East Region
- TR Tay Region
- FR Forth Region
- CR Clyde Region
- TWR Tweed Region
- SR Solway Region

**ENGLAND**

- N Northumbria
- NW North West
- Y Yorkshire
- ST Severn Trent
- A Anglian
- T Thames
- S Southern
- W Wessex
- SW South West
- WALES**
- WEL Welsh



**NORTHERN IRELAND**  
This method cannot currently be used in Northern Ireland