

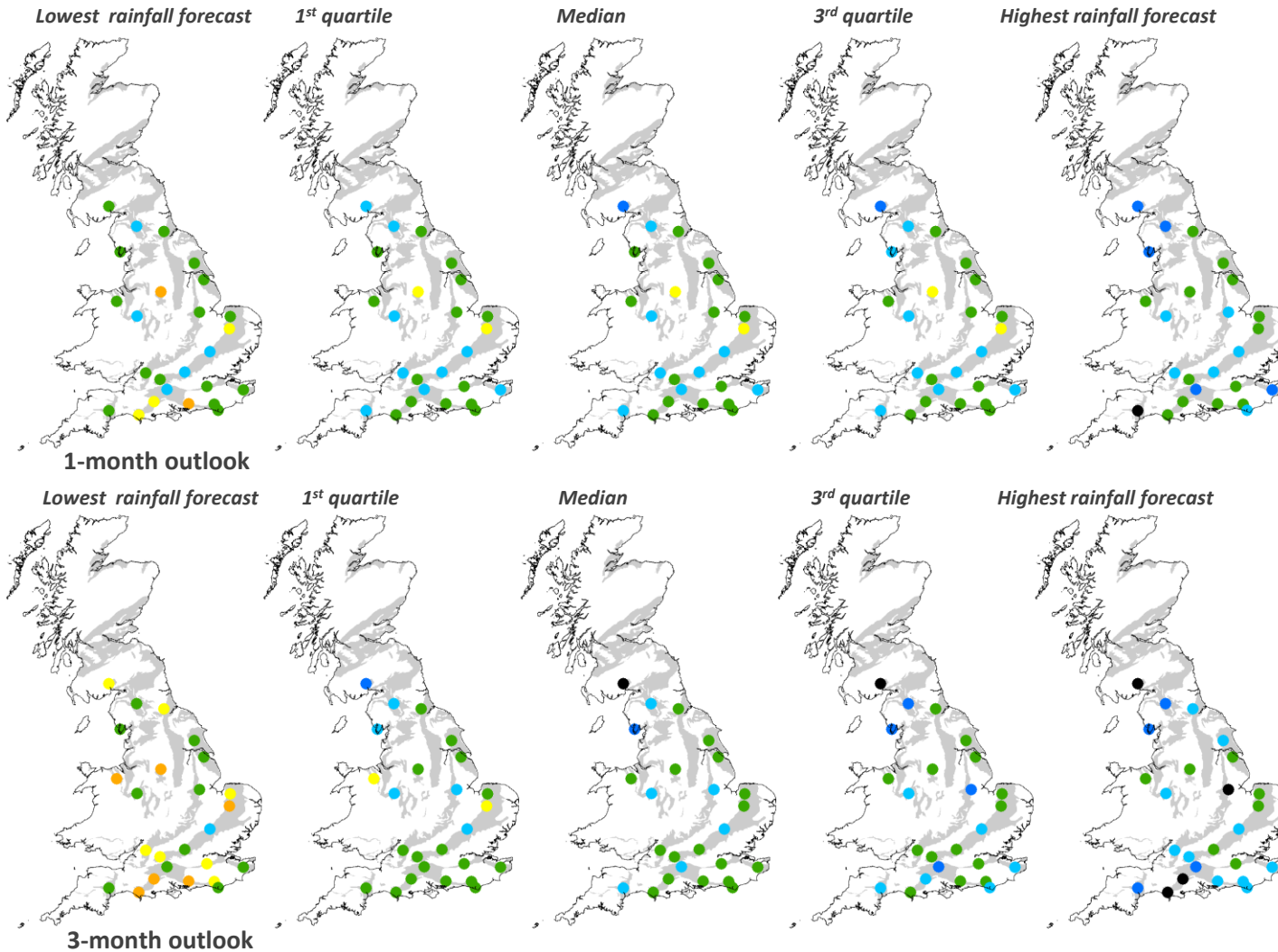
Period: November 2014 – January 2015

Issued on 11.11.2014 using data to the end of October

SUMMARY: With soil moisture deficits having persisted late into autumn, an early onset of recharge is unlikely, and continued recession through November will moderate some of the above average levels that had prevailed in the Chalk since spring. Over 3 months we expect groundwater levels to stay close to, or above, normal although this is highly dependent on winter rainfall.

These forecasts are produced by running five members of the Met Office ensemble climate forecast through groundwater models of observation borehole hydrographs at 25 sites across the country. The sites are distributed across the principal aquifers.

Based on the distribution of observed historical groundwater levels in a given month, seven categories have been derived for each site: very low, low, below normal, normal, above normal, high, and very high. The forecast groundwater level is assigned to one of these seven categories depending on where it falls within the distribution of the historically observed values.



Key	Percentile range of historic observed values for relevant month
Black	> 95
Dark Blue	87-95
Light Blue	72-87
Green	28-72
Yellow	13-28
Orange	5-13
Red	< 5

