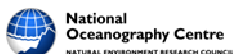




Daily Hazard Assessment

Issued 13:57 on Tuesday, 05 December 2017

The Daily Hazard Assessment is intended to provide an 'at a glance' top level overview only. The links provided to the relevant Partner Organisations should then be used to obtain further



Hazards Five Day Summary – EXTREME TEMPERATURES: YELLOW, FLOOD: YELLOW, SNOW AND ICE: YELLOW, WIND: YELLOW.

EXTREME TEMPERATURES:- A Level 2 cold weather alert has been issued for Thursday to Saturday, covering the whole of England (please note this service covers **England only**).

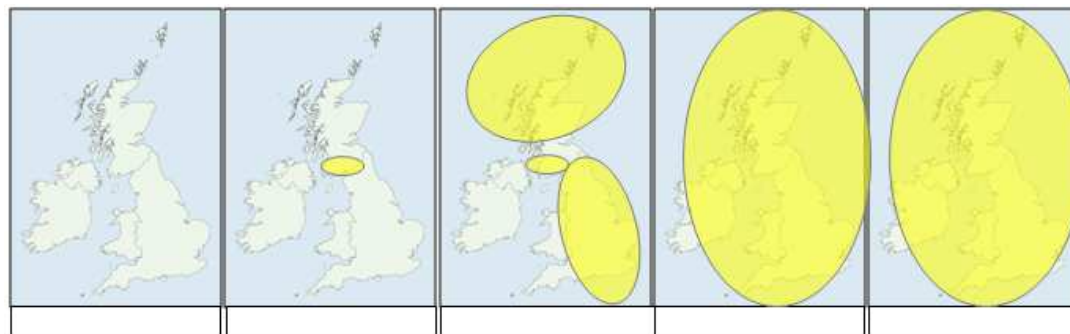
FLOOD:- Minor flooding impacts are likely due to coastal flooding for southwest Scotland and Wednesday and Thursday, and northwest Scotland on Friday. Significant coastal flooding impacts are possible but not expected for parts of the east coast of England on Thursday, Friday and Saturday.

SNOW AND ICE:- A yellow severe weather warning has been issued for snow and ice for much of Scotland, Northern Ireland, Wales, and west England on Friday and Saturday.

WIND:- A yellow severe weather warning has been issued for strong winds across the northern half of Scotland on Wednesday, including the Western Isles and Northern Isles.

Hazards Five Day Summary Maps

Tuesday	Wednesday	Thursday	Friday	Saturday
05-Dec	06-Dec	07-Dec	08-Dec	09-Dec
1400 – 2359	0000 – 2359	0000 – 2359	0000 – 2359	0000 – 2359



These maps provide an 'at a glance' indication of the natural hazards that could occur over the next five days. The area covered by each ellipse is indicative only to alert the user to which areas of the UK are at



risk of a hazard. More detailed information will be found using the links provided. The highest level of alert will be shown, but each ellipse could indicate more than one hazard. For non-area specific hazards, the alert level is indicated by a coloured rectangle underneath the maps. Please see user guide on Hazard Manager for further detail.

Hazards Five Day Summary Detail

EXTREME TEMPERATURES:- There is a 70% probability of severe cold weather/icy conditions/heavy snow from 0800 on Thursday 7th and continuing through to the end of Saturday. A level 2 cold alert has therefore been issued. (please note this service covers **England only**).

Cold Arctic air is expected to spread south during Thursday, with bitter northerly winds developing, leading to a significant wind chill. Whilst many places will remain dry, some exposed coastal areas and hills are likely to see occasional snow showers, with some local accumulations possible. These most likely Friday, when the coldest weather is expected. This will also bring the further risk of icy patches.

This cold weather is then expected continue into the weekend.

For more details, please follow the links below:

- **Met Office – Cold Weather Alert**

<http://www.metoffice.gov.uk/public/weather/cold-weather-alert/>

- **PHE cold weather website**

<https://www.gov.uk/government/collections/cold-weather-plan-for-england>

FLOOD:- For England and Wales, the flood guidance statement (FGS) from the Flood Forecasting Centre states: “On Thursday and Friday and Saturday, significant coastal flooding impacts are possible but not expected along parts of the North Sea coastlines, and for the Broads in Norfolk and Suffolk on Friday and Saturday.”

“Any impacts will result from the effects of a deep area of low pressure which brings the potential for strong winds, a positive surge and large waves to parts of the English and Welsh coastlines during this period coinciding with high tide levels.”

For Scotland, the Scottish flood guidance statement (SFGS) from the Scottish Flood Forecasting Centre states: “The flood risk is LOW for parts of the south west on Wednesday and Thursday, and the north west of Scotland on Thursday. Minor flooding impacts due to coastal flooding are likely”

For more details on the Flood Forecast, including Specific Areas of Concern Maps, please check the FFC and SFFC Flood Guidance Statements or view them through the Hazard Manager, following the link below:

- **Hazard Manager**

<http://www.metoffice.gov.uk/services/public-sector/hazardmanager/access>

- **Met Office - UK Weather Warnings**

<http://www.metoffice.gov.uk/public/weather/warnings/>



SNOW AND ICE:- A yellow severe weather warning has been issued for snow and ice for much of Scotland, Northern Ireland, Wales and west England on Friday and Saturday.

The warning states “Snow showers are expected to become increasingly frequent over northern Scotland late on Thursday and are expected across many other parts of Scotland, Northern Ireland, Wales and western England on Friday. 2-5 cm of snow is likely for some, with 10-20 cm possible over high ground, mainly Scotland, Northern Ireland and Wales.”

“Icy surfaces are also likely to be an additional hazard, especially overnight. Strong northwest winds may cause drifting of the snow in places with blizzard conditions possible at times across northern Scotland. The heaviest and most frequent of the snow showers will progressively become confined to northeast Scotland during Saturday. “

“Some roads and railways likely to be affected with longer journey times by road, bus and for train services. Probably some icy patches on some untreated roads, pavements and cycle paths. Some injuries from slips and falls on icy and snowy surfaces.”

For further details please follow the links below

- **Met Office - UK Weather Warnings**
<http://www.metoffice.gov.uk/public/weather/warnings/>
- **Hazard Manager**
<http://www.metoffice.gov.uk/services/public-sector/hazardmanager/access>

WIND:- A yellow severe weather warning has been issued for strong winds across the northern half of Scotland on Wednesday, including the Western Isles and Northern Isles.

The warning states “Storm Caroline is expected to bring a spell of very windy weather to northern Scotland on Thursday. Gusts of 60-70 mph are expected quite widely, with gusts to 80 mph possible near north facing mainland coasts and across the Isles.”

“Road, rail, air and ferry services may be affected, with longer journey times and cancellations possible. Some short term loss of power and other services is possible. It is likely that some coastal routes, sea fronts and coastal communities will be affected by spray and/or large waves.”

For further details please follow the links below

- **Met Office - UK Weather Warnings**
<http://www.metoffice.gov.uk/public/weather/warnings/>
- **Hazard Manager**
<http://www.metoffice.gov.uk/services/public-sector/hazardmanager/access>

For health impacts of all hazards please see:

<https://www.gov.uk/health-protection/emergency-response>



Ongoing Issues

Nil

Summary of Recent Event/Hazards

Nothing to report

General weather outlook for the next 30 days

Largely cloudy, with winds gradually strengthening Wednesday. Storm Caroline will then bring a period of heavy rain and very strong winds east across the UK, before clearing Thursday. It will then turn much colder, with bitter winds, but also often sunny. However snow showers are likely to lead to some accumulations developing, especially across higher ground in the north, but also to some lower levels. Cold weather then persists until at least Sunday, when there is an increasing signal for a spell of rain, sleet and snow to cross the UK, perhaps briefly bringing some less cold temperatures. Beyond this, however further cold weather is most likely, only interspersed with brief milder and wetter interludes.

For more detailed information, see the Met Office UK weather forecast on

<http://www.metoffice.gov.uk/public/weather/forecast>.



Daily Hazard Assessment

UK NHP Daily Hazard Assessment Colour State Matrix

Colour State	5-day UK (unless otherwise stated) Hazard Impact Assessment			5-day UK (unless otherwise stated) Hazard Forecast						UK Reported only Hazards		
	Weather <i>- Rain, wind, ice, snow, fog, lightning, hail</i>	Flooding <i>- River, tidal, coastal, surface water, groundwater (England, Wales & Scotland only)</i>	Volcanic Ash	Space weather (Earth impact forecast)	Landslide (24-hour forecast)	Wildfire	Extreme Temperatures (Public Health England only)	Air Quality	Aero Allergens	Earthquake	Drought	Space Object Re-entry or Near Earth Objects
Green	Disruptive weather not expected or low likelihood of minor disruption.	Disruptive flooding not expected or low likelihood of minor disruption.	Disruptive volcanic ash not expected or low likelihood of minor disruption.	No significant space weather event(s) expected.	Landslides are not likely and there are no reports of landslides.	Elevated wildfire conditions not forecast (low risk of wildfires).	Threshold conditions not forecast to be reached.	Low air pollution levels <i>or</i> Isolated areas of moderate air pollution levels forecast.	Low / medium <i>and/or</i> areas of high aero allergen levels forecast.	No reports of significant earthquake(s).	No reports of drought conditions.	No reports of: possible space object(s) re-entry into earth's atmosphere; or near Earth object(s).
Yellow¹	Low likelihood of significantly disruptive weather or minor disruption expected.	Low likelihood of significantly disruptive flooding or minor disruption expected.	Low likelihood of significantly disruptive volcanic ash or minor disruption expected.	Strong space weather event(s) expected.	Likelihood (or report) of isolated landslides.	Elevated wildfire conditions (likelihood of manageable wildfires) forecast.	Moderate likelihood of threshold conditions being reached or exceeded.	Widespread moderate air pollution levels <i>or</i> Isolated areas of high air pollution levels forecast.	Widespread high <i>and/or</i> area(s) of very high aero allergen levels forecast.	Reports of significant earthquake(s).	Drought conditions declared.	Reports received of: likely space object re-entry into earth's atmosphere; or near Earth object(s).
Amber²	Likelihood of significantly disruptive weather.	Likelihood of significantly disruptive flooding.	Likelihood of significantly disruptive volcanic ash.	Severe space weather event(s) expected.	Increased likelihood (or reports) of multiple landslides.	Severe wildfire conditions (likelihood of difficult to control wildfires) forecast.	High likelihood of threshold conditions being reached or exceeded.	Widespread high air pollution levels <i>or</i> Isolated areas of very high air pollution levels forecast.	Severe aero allergen event expected.	Reports of significantly disruptive earthquake(s).	★	★
Red³	High likelihood of severely disruptive weather.	High likelihood of severely disruptive flooding.	High likelihood of severely disruptive volcanic ash.	High confidence of extreme space weather event(s).	High likelihood (or reports) of major landslide events.	High confidence of severely disruptive wildfire(s).	Severe or prolonged period of threshold conditions reached or exceeded.	Widespread very high air pollution levels forecast to continue for more than 2 days.	High confidence of severe, large scale aero-allergen impact(s).	Reports of major earthquake(s).	★	★

★ Ongoing hazard assessment recorded under "Ongoing Issues" or updated as appropriate.

¹ Limited/localised hazard impact or low confidence in assessment of severity/location of hazard event
² Significant potential for hazard event impacting large numbers of people
³ Hazards impacting large numbers of people across multiple sectors and high confidence in assessment of severity/location of hazard event