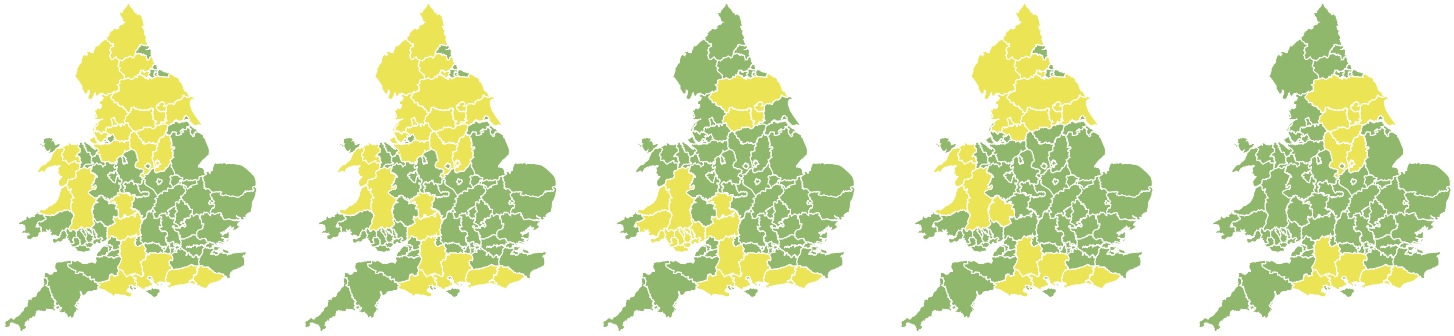
Flood Guidance Statement

10:30hrs Friday 21 February 2020

FLOODFORECASTINGCENTRE
a working partnership between Environment Agency | Met Office

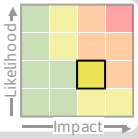


Friday	Saturday	Sunday	Monday	Tuesday
21 Feb 2020 10:30-23:59	22 Feb 2020	23 Feb 2020	24 Feb 2020	25 Feb 2020
Trend since last FGS				
Increased ↑	Increased ↑	Increased ↑	Steady →	Increased ↑

The overall flood risk is LOW. Significant flooding impacts are possible at times through the next five days. See end of FGS for 6-10 day forecast.

Specific Areas of Concern Map 1: Friday 21 to Sunday 23 February

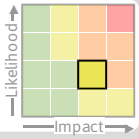
RISK AREA **A**
Impact **SIGNIFICANT**
Likelihood **LOW**



Source River Surface
Likely duration 2 Days

Renewed flooding impacts from rain Fri/Sat. River flooding may continue into Sun.

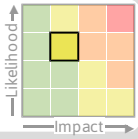
RISK AREA **B**
Impact **SIGNIFICANT**
Likelihood **LOW**



Source River Surface
Likely duration 2 Days

Heavy rain Fri/Sat on sensitive catchments.

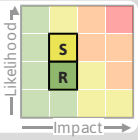
RISK AREA **C**
Impact **MINOR**
Likelihood **MEDIUM**



Source River Surface
Likely duration 2 Days

Rain Fri/Sat falling on saturated ground. Impacts may continue into Sunday.

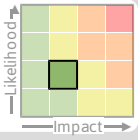
RISK AREA **D**
Impact **MINOR**
Likelihood **MEDIUM**



Source River Surface
Likely duration 1 Day

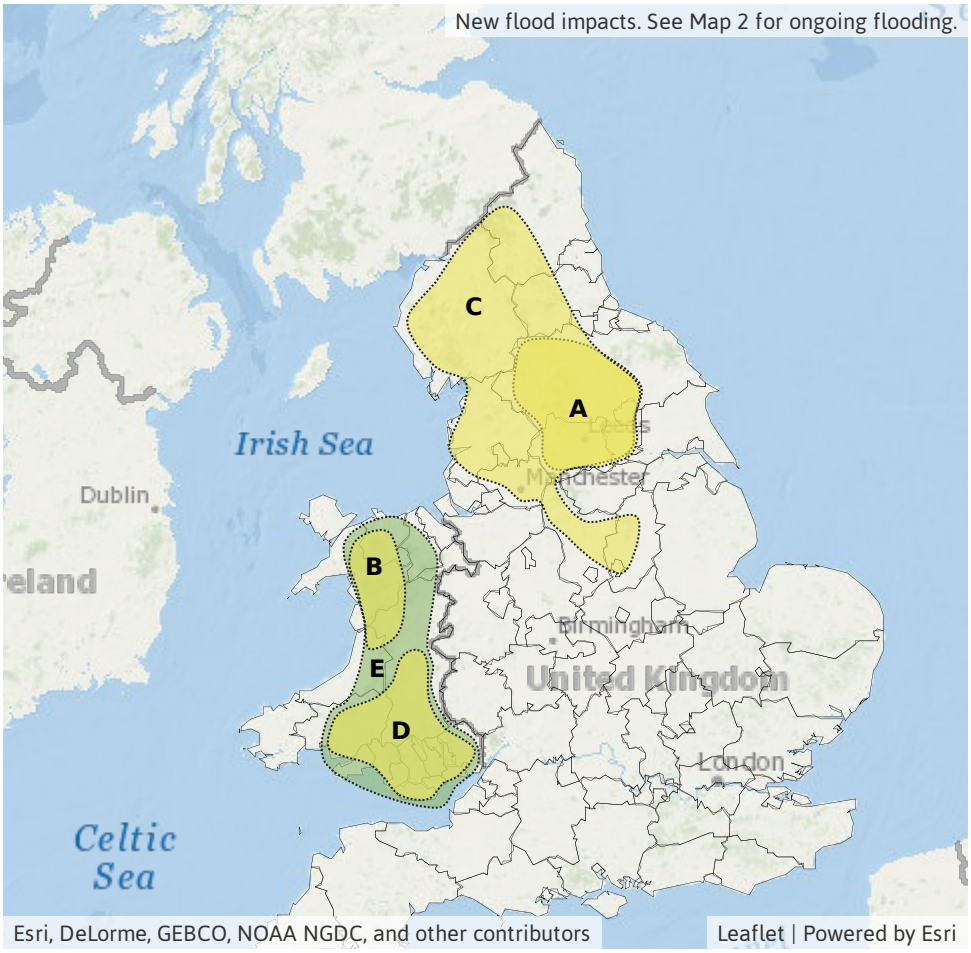
Heavy rain on Sunday falling onto saturated ground.

RISK AREA **E**
Impact **MINOR**
Likelihood **LOW**



Source River Surface
Likely duration 3 Days

Heavy rain on Fri/Sat falling on saturated ground. Impacts may continue into Sunday.



© Crown, Met Office and Environment Agency 2020 This guidance is produced to support decision making by Category 1 and 2 emergency responders.

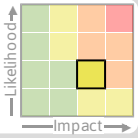
Flood Guidance Statement

10:30hrs Friday 21 February 2020

FLOODFORECASTINGCENTRE
a working partnership between Environment Agency | Met Office

Specific Areas of Concern Map 2: Friday 21 to Sunday 23 February

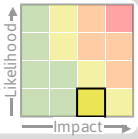
RISK AREA **F**
Impact **SIGNIFICANT**
Likelihood **LOW**



Source River
Likely duration 3 Days

Significant river flooding on lower River Severn until Sat becoming minor on Sun.

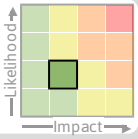
RISK AREA **G**
Impact **SIGNIFICANT**
Likelihood **VERY LOW**



Source River
Likely duration 1 Day

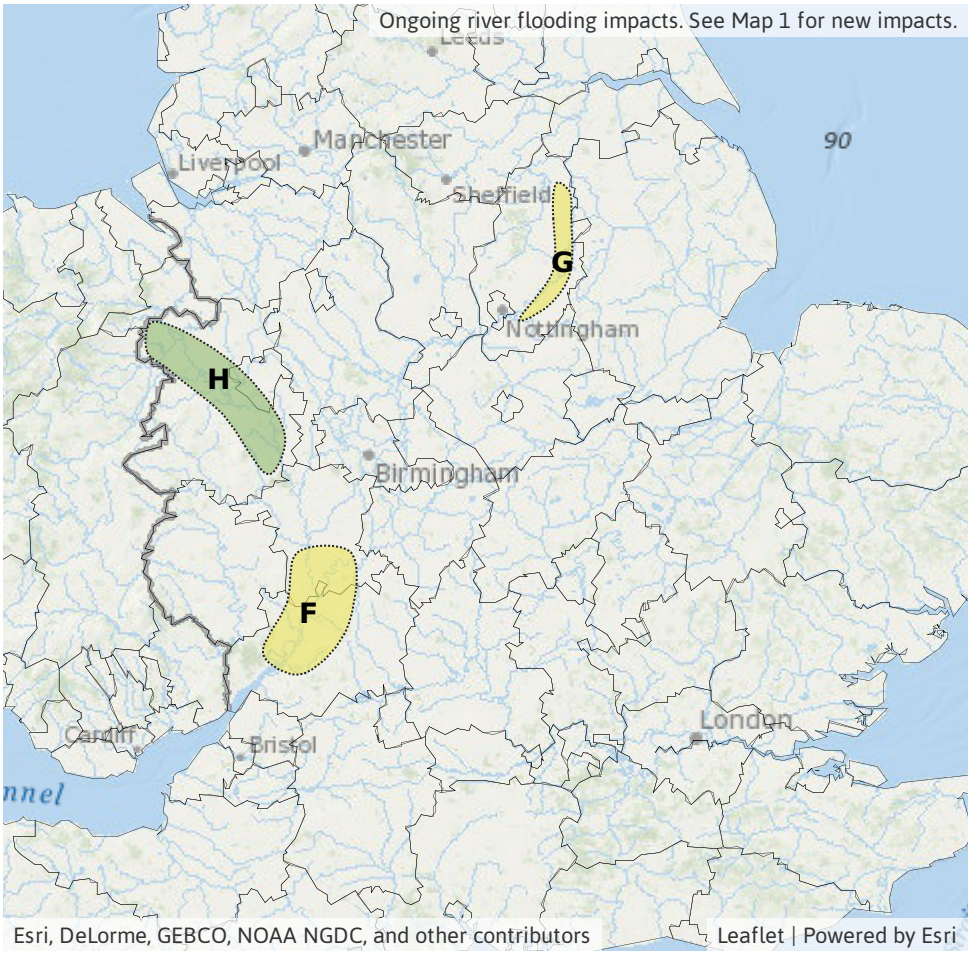
Ongoing river flooding on the Trent through Nottinghamshire on Friday.

RISK AREA **H**
Impact **MINOR**
Likelihood **LOW**



Source River
Likely duration 3 + Days

New river flood peak possible along the upper Severn from Sunday.



© Crown, Met Office and Environment Agency 2020 This guidance is produced to support decision making by Category 1 and 2 emergency responders.

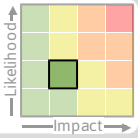
Flood Guidance Statement

10:30hrs Friday 21 February 2020

FLOODFORECASTINGCENTRE
a working partnership between Environment Agency | Met Office

Specific Areas of Concern Map 3: Monday 24 February

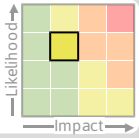
RISK AREA **H**
Impact **MINOR**
Likelihood **LOW**



Source River
Likely duration 3 + Days

River flooding possible on the upper to mid Severn.

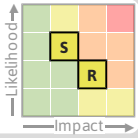
RISK AREA **J**
Impact **MINOR**
Likelihood **MEDIUM**



Source River Surface
Likely duration 1 Day

Rain & possible snowmelt on Mon.

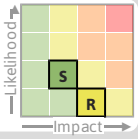
RISK AREA **K**
Impact **SIGNIFICANT**
Likelihood **LOW**



Source River Surface
Likely duration 2 Days

Rain & snowmelt on Mon. River flooding may continue into Tue for Yorkshire.

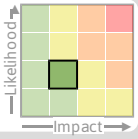
RISK AREA **L**
Impact **SIGNIFICANT**
Likelihood **VERY LOW**



Source River Surface
Likely duration 1 Day

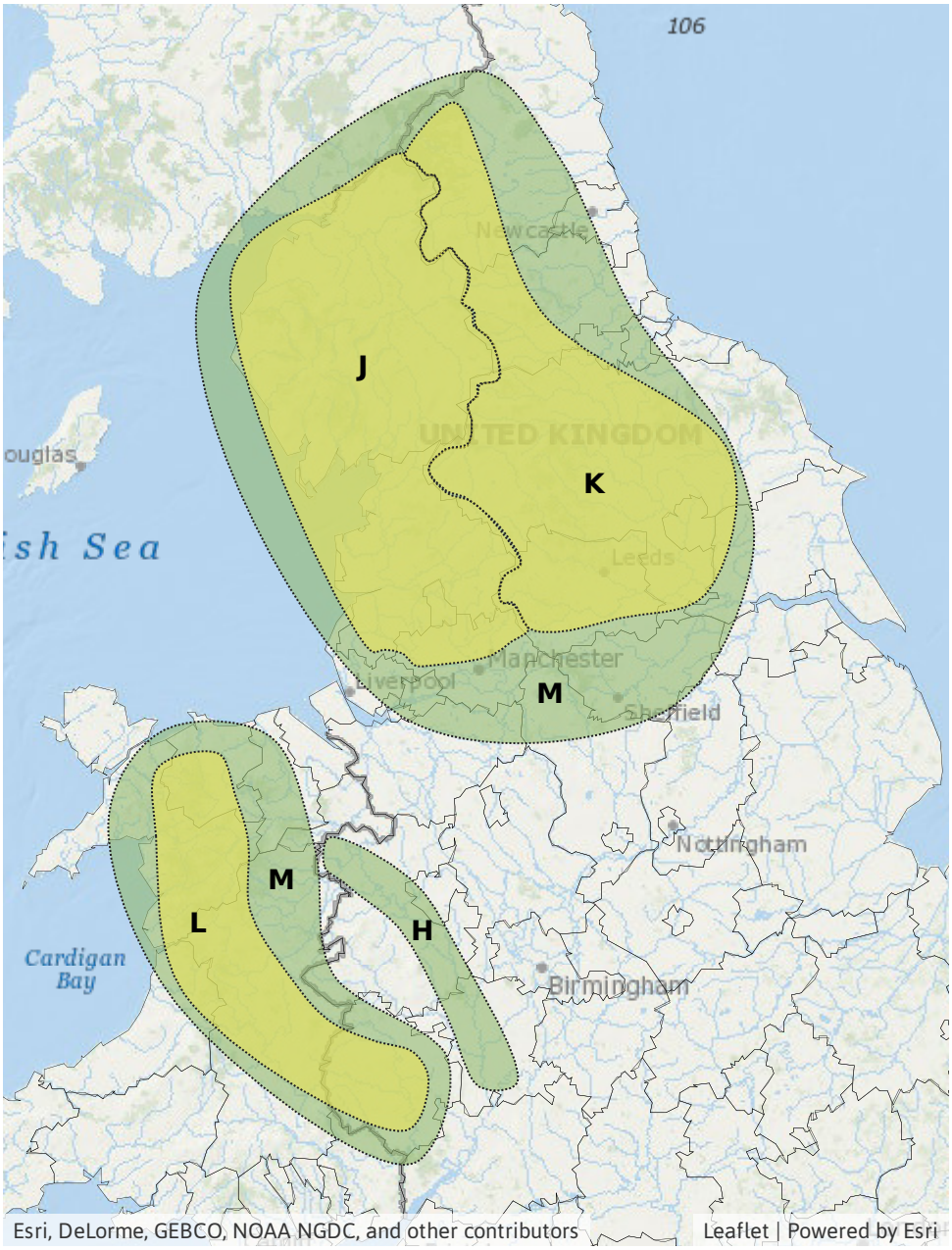
Heavy rain on Mon may leading to significant impacts.

RISK AREA **M**
Impact **MINOR**
Likelihood **LOW**



Source River Surface
Likely duration 1 Day

Further heavy rain on Monday may exacerbate any existing flooding.



© Crown, Met Office and Environment Agency 2020 This guidance is produced to support decision making by Category 1 and 2 emergency responders.

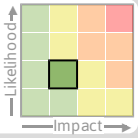
Flood Guidance Statement

10:30hrs Friday 21 February 2020

FLOODFORECASTINGCENTRE
a working partnership between Environment Agency | Met Office

Specific Areas of Concern Map 4: Tuesday 25 February

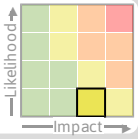
RISK AREA **H**
Impact **MINOR**
Likelihood **LOW**



Source River
Likely duration 3 + Days

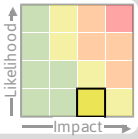
River flooding possible along much of the Severn by Tuesday.

RISK AREA **K**
Impact **SIGNIFICANT**
Likelihood **VERY LOW**



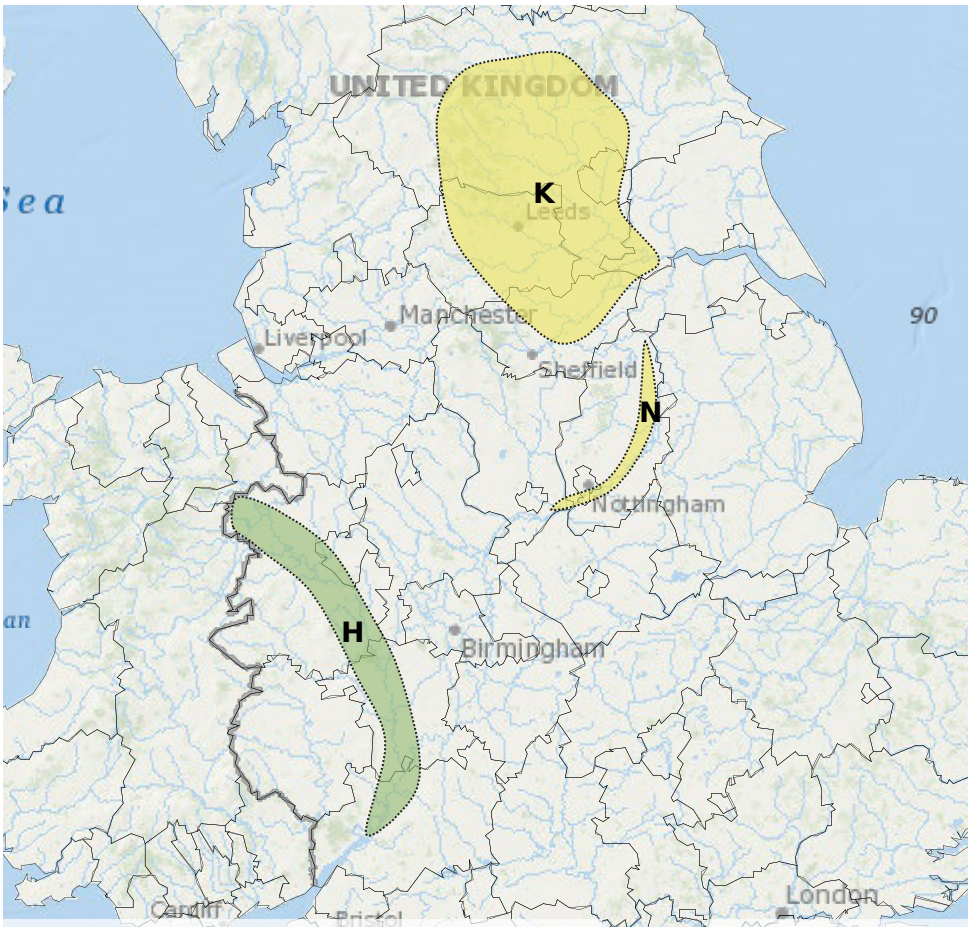
Source River
Likely duration 2 Days

RISK AREA **N**
Impact **SIGNIFICANT**
Likelihood **VERY LOW**



Source River
Likely duration 1 Day

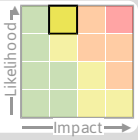
River response on the Trent.



Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors | Leaflet | Powered by Esri

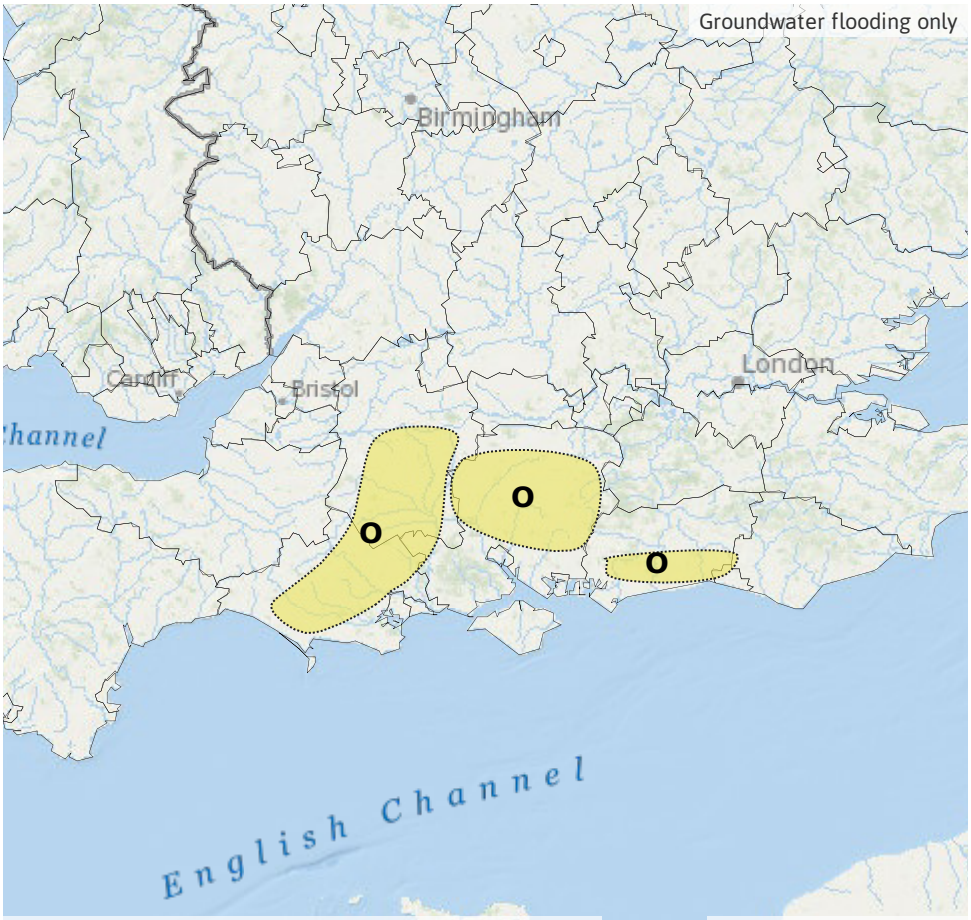
Specific Areas of Concern Map 5: Friday 21 to Tuesday 25 February 2020

RISK AREA **O**
Impact **MINOR**
Likelihood **HIGH**



Source Ground
Likely duration 5 + Days

Localised groundwater flooding impacts for at least the next five days.



Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors | Leaflet | Powered by Esri

© Crown, Met Office and Environment Agency 2020 This guidance is produced to support decision making by Category 1 and 2 emergency responders.

Assessment of flood risk

Rivers

The overall river flood risk is LOW.

Significant river flooding impacts are possible for parts of the north of England and the north of Wales today (Friday) and on Saturday. Minor river flooding impacts are also probable more widely across the north of England, and are possible across Wales. This is due to heavy rain falling on very sensitive river catchments.

Significant river flooding impacts are possible in parts of northern England on Monday and are possible but not expected in parts of Wales. Minor impacts are probable more widely in the north of England, and are possible elsewhere. This is due to heavy rain combining with melting snow.

Ongoing river impacts are possible at times through the next five days (see AOC maps 2 and 4).

Surface water

The overall surface water flood risk is LOW.

Significant surface water flooding impacts are possible across parts of the north of England and the north of Wales today (Friday) and Saturday. Minor surface water flooding impacts are probable more widely across the north of England, and are possible across much of Wales. Minor surface water flooding impacts are also probable in the south of Wales on Sunday. This is due to heavy rain falling on saturated ground.

Minor impacts are probable across the north of England on Monday, and are possible in parts of the north of Wales and central England on Monday.

Groundwater

The groundwater flood risk is LOW for the next five days.

Minor groundwater flooding impacts are expected in parts of the south of England for at least the next five days. Groundwater levels also remain high in parts of North Lincolnshire, although impacts are currently minimal here.

Coastal/Tidal

The coastal/tidal flood risk is VERY LOW for the next five days.

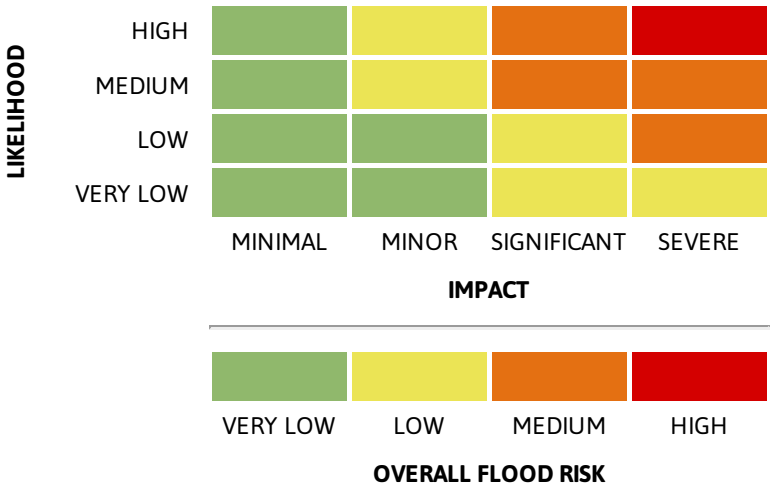
Large waves and strong winds will affect some coasts at times but only minimal impacts are expected.

© Crown, Met Office and Environment Agency 2020

6-10 day forecast

Further inland flooding impacts are possible, as the outlook remains unsettled.

Flood risk matrix



Summary of potential impacts

MINIMAL
Isolated and minor flooding of low-lying land and roads
Isolated spray/wave on coastal promenades
Little or no disruption to travel, but wet road surfaces

MINOR
Localised flooding of land and roads
Flooding affecting individual properties
Disruption to travel and key sites in flood plans

SIGNIFICANT
Flooding affecting parts of communities
Possible danger to life and damage to buildings/structures
Disruption to travel and key sites in flood plans

SEVERE
Danger to life, severe disruption to travel
Widespread flooding affecting whole communities
Widespread disruption or loss of infrastructure
Large scale evacuation of properties possible

Next statement due **10:30hrs Saturday 22 February 2020 (all times are local)**

Contact details **Flood Forecasting Centre Duty Hydrometeorologist - 0300 12345 01**

More information **http://www.ffc-environment-agency.metoffice.gov.uk**

© Crown, Met Office and Environment Agency 2020 This guidance is produced to support decision making by Category 1 and 2 emergency responders.