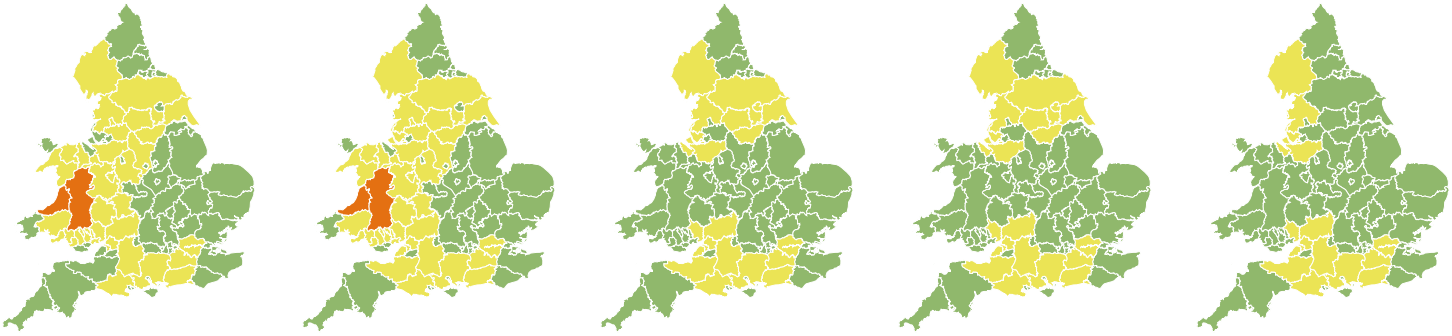
Flood Guidance Statement

10:30hrs Monday 09 March 2020

FLOODFORECASTINGCENTRE
a working partnership between Environment Agency | Met Office

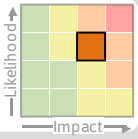


Monday	Tuesday	Wednesday	Thursday	Friday
9 Mar 2020 10:30-23:59	10 Mar 2020	11 Mar 2020	12 Mar 2020	13 Mar 2020
Trend since last FGS				
Increased ↑	Increased ↑	Increased ↑	Increased ↑	Increased ↑

Significant river flooding impacts are probable in mid-Wales and possible in the north of England on Monday and Tuesday. Coastal impacts are possible over the next five days.

Specific Areas of Concern Map 1: Monday 9 and Tuesday 10 March 2020

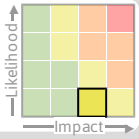
RISK AREA **A**
Impact **SIGNIFICANT**
Likelihood **MEDIUM**



Source River Surface
Likely duration 2 Days

River response to heavy rain falling on already saturated catchments.

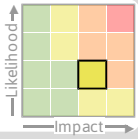
RISK AREA **B**
Impact **SIGNIFICANT**
Likelihood **VERY LOW**



Source River Surface
Likely duration 2 Days

Flood impacts due to further heavy rain falling on saturated ground.

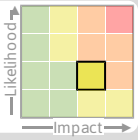
RISK AREA **C**
Impact **SIGNIFICANT**
Likelihood **LOW**



Source River Surface
Likely duration 2 Days

Impacts from heavy rain Monday afternoon into Tuesday.

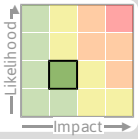
RISK AREA **D**
Impact **SIGNIFICANT**
Likelihood **LOW**



Source River
Likely duration 4 Days

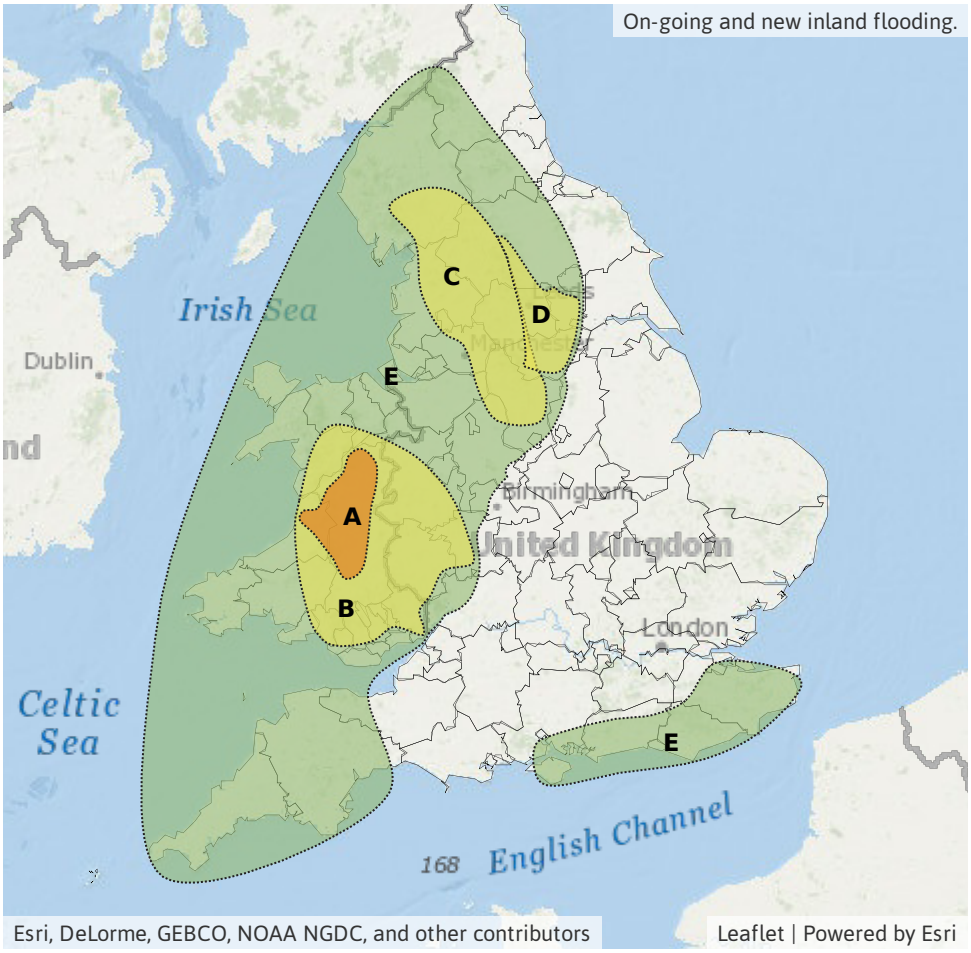
Rivers responding to heavy rain on Monday and Tuesday, including Aire washlands.

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



Source River Surface
Likely duration 2 Days

Impacts from heavy rain on Monday and Tuesday.



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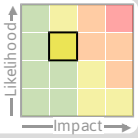
Specific Areas of Concern Map 2: Monday 9 and Tuesday 10 March 2020

RISK AREA **F**

Impact **MINOR**
Likelihood **MEDIUM**

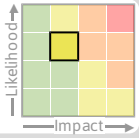


Source Coastal/Tidal
Likely duration 2 Days

Minor impacts possible around times of high tides Monday and Tuesday.

RISK AREA **G**

Impact **MINOR**
Likelihood **MEDIUM**

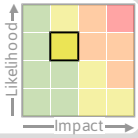


Source Coastal/Tidal
Likely duration 4 Days

Minor impacts around times of high tides on Tuesday.

RISK AREA **H**

Impact **MINOR**
Likelihood **MEDIUM**

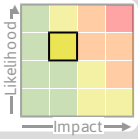


Source Coastal/Tidal
Likely duration 1 Day

Minor flooding on the lower River Wye due to high tides on Tuesday.

RISK AREA **I**

Impact **MINOR**
Likelihood **MEDIUM**

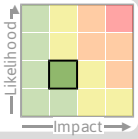


Source Coastal/Tidal
Likely duration 4 Days

Minor impacts around times of high tides from Tuesday to Thursday.

RISK AREA **J**

Impact **MINOR**
Likelihood **LOW**



Source Coastal/Tidal
Likely duration 4 + Days

Local minor impacts possible around the times of high tide.

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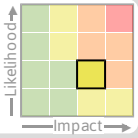
Specific Areas of Concern Map 3: Wednesday 11 to Friday 13 March 2020

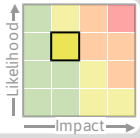
RISK AREA **D**
Impact **SIGNIFICANT**
Likelihood **LOW**



Source River
Likely duration 4 Days

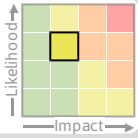
Ongoing flood impacts along larger rivers and on the Aire washlands.

RISK AREA **G**
Impact **MINOR**
Likelihood **MEDIUM**



Source Coastal/Tidal
Likely duration 4 Days

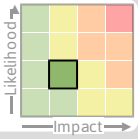
RISK AREA **I**
Impact **MINOR**
Likelihood **MEDIUM**



Source Coastal/Tidal
Likely duration 4 Days

Minor impacts around times of high tides from Tuesday to Thursday.

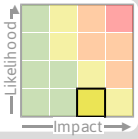
RISK AREA **J**
Impact **MINOR**
Likelihood **LOW**



Source Coastal/Tidal
Likely duration 4 + Days

Local minor impacts possible around the times of high tide.

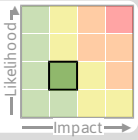
RISK AREA **K**
Impact **SIGNIFICANT**
Likelihood **VERY LOW**



Source Coastal/Tidal
Likely duration 3 + Days

Potential significant impacts around times of high tide including lower River Wye.

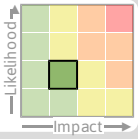
RISK AREA **L**
Impact **MINOR**
Likelihood **LOW**



Source River
Likely duration 2 Days

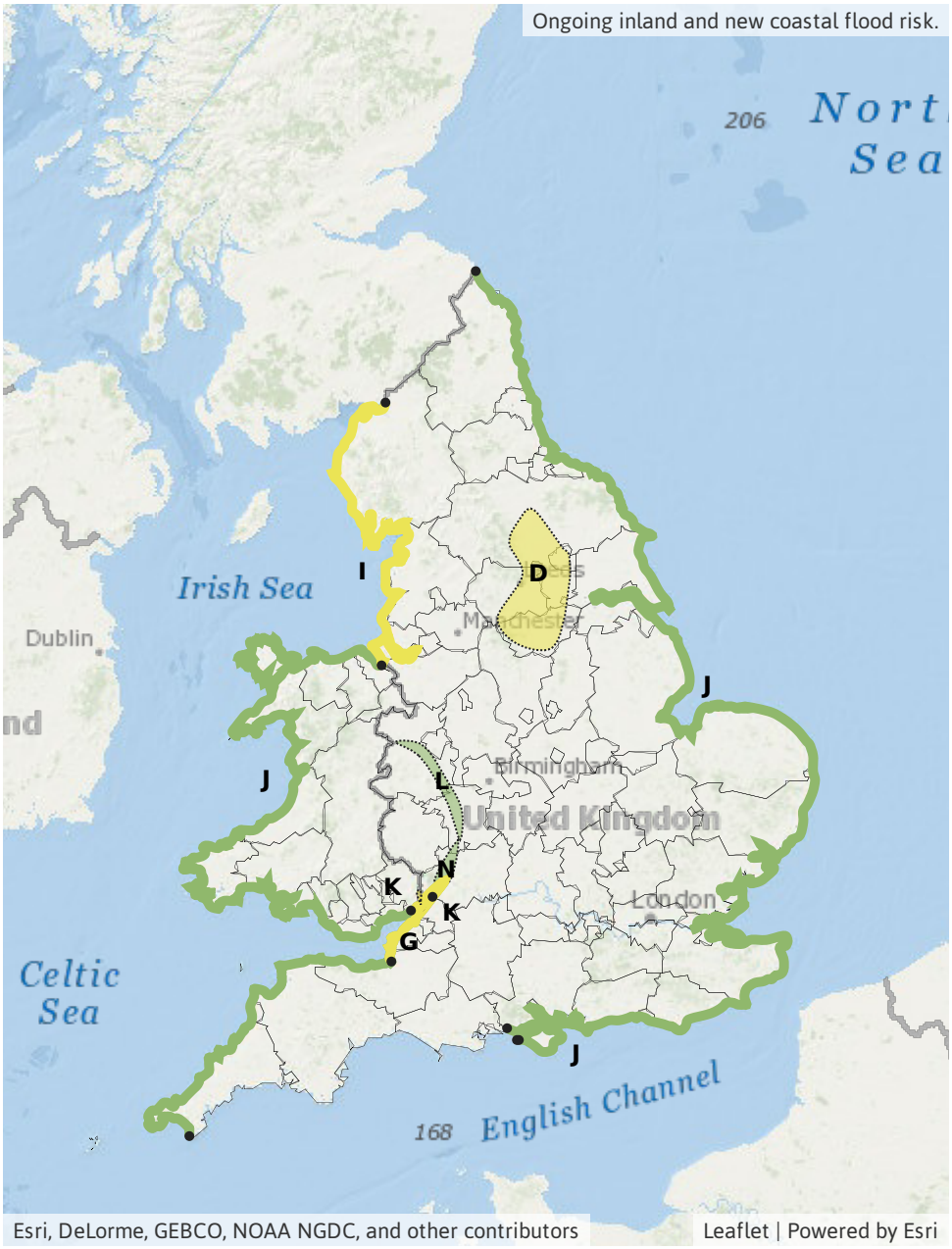
Mid and lower reaches of the River Severn responding to recent rain.

RISK AREA **N**
Impact **MINOR**
Likelihood **LOW**



Source River
Likely duration 1 Day

Flooding along lower Severn.



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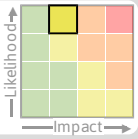
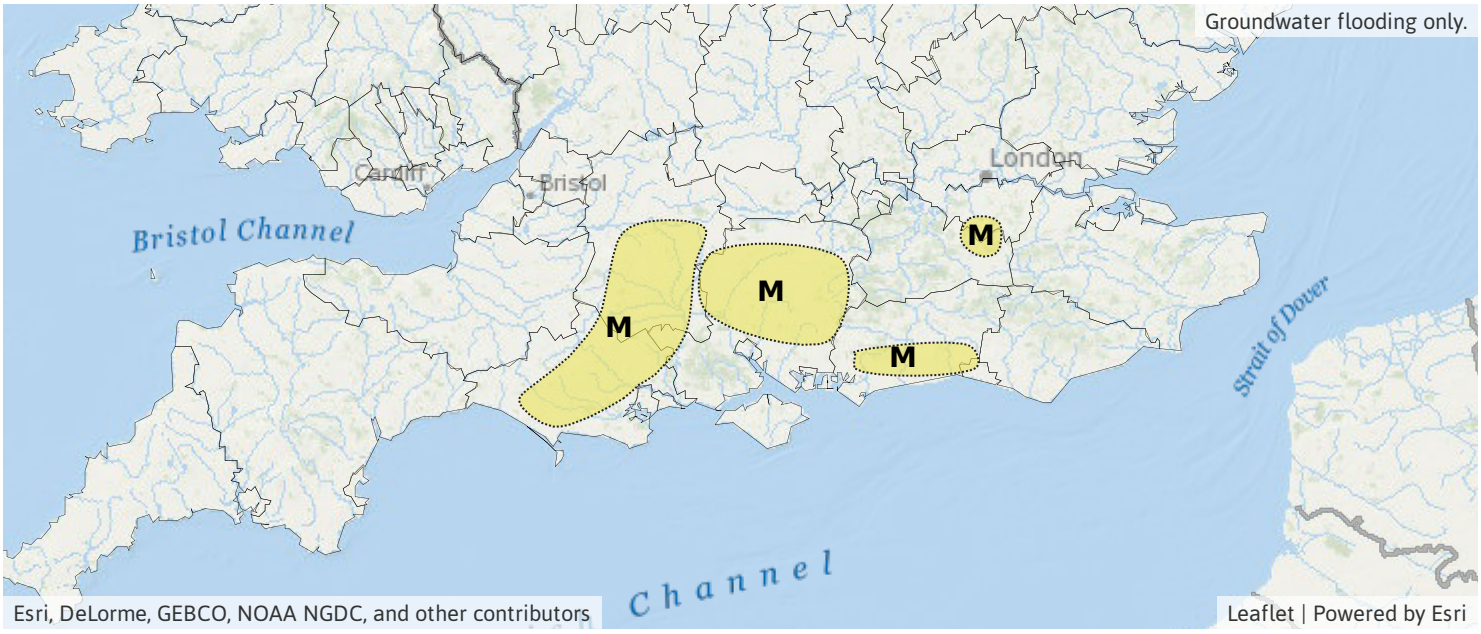
Specific Areas of Concern Map 4: Monday 9 to Friday 13 March 2020

RISK AREA **M**
Impact **MINOR**
Likelihood **HIGH**



Source Ground
Likely duration 5 + Days

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



Assessment of flood risk

Rivers

The overall river flood risk is MEDIUM.
Significant river flooding impacts are probable in mid-Wales and possible in other parts of Wales, the West Midlands and parts of the north of England on Monday and Tuesday as rivers respond to heavy rain over high ground in these areas. Minor river flooding impacts are possible elsewhere in England and Wales more widely.

Heavy rainfall falling on already responsive rivers may lead to significant impacts on the slower responding rivers in Yorkshire including the Ouse and Aire from Tuesday onwards.

Surface water

The overall surface water flood risk is MEDIUM.
Significant surface water flooding impacts are probable in parts of mid-Wales and possible in other parts of Wales, the West Midlands and the north of England on Monday and Tuesday. This is due to further heavy rain falling on already saturated ground.

Minor surface water flooding impacts are possible elsewhere in England and Wales more widely.

Coastal/Tidal

The overall coastal/tidal flood risk is LOW.
On Monday and Tuesday localised minor coastal flooding impacts are probable in the Severn estuary and on Tuesday in the Wye estuary as well. This is due to large astronomical tides and high river levels. From Tuesday onwards, localised minor coastal flooding is probable on the Mersey estuary, and also possible on the Yorkshire coast, due to large astronomical tides and surge.

On Monday and Tuesday localised minor coastal flooding impacts are also possible but not expected more widely around coasts of Wales.

On Wednesday, Thursday and Friday, significant coastal flooding is possible but not expected for the Severn and Wye estuaries, as tide heights increase towards a large set of spring tides and combine with some surge.
Local minor coastal flooding is also probable on the coast of the north-west of England and Wessex coast and possible elsewhere around the coasts of Wales and other coasts of England on Wednesday, Thursday and Friday.

Groundwater

The groundwater flood risk is LOW.
Minor groundwater flooding impacts are expected to continue 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.

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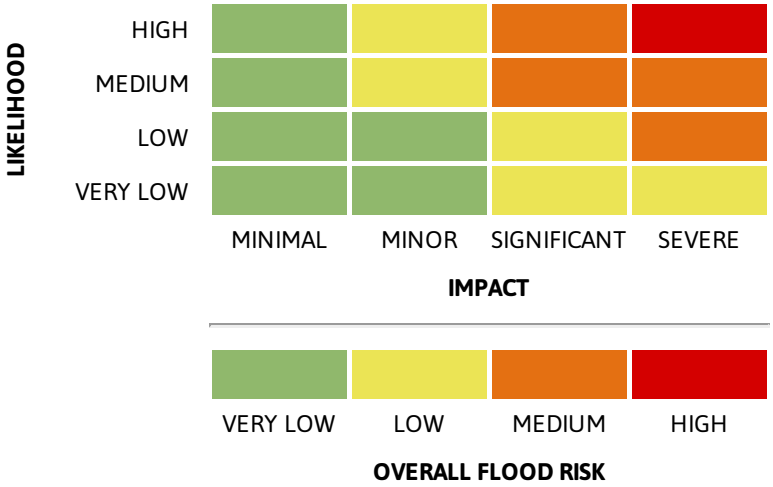
6-10 day forecast

Flooding in the lower Aire washlands, River Severn and other larger rivers may continue. Further river flooding impacts are possible from next weekend as rivers respond to rainfall events.

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 **15:30hrs Monday 09 March 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**

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