



## Environment Agency: Role in Flood Response

## What types of flooding do the EA deal with ?

- The EA has the strategic overview for all types of flood risk from rivers, the sea, groundwater, reservoirs and surface water.
- Our priority is to ensure we respond to and recover from **main** river and coastal flooding.
- We also issue warnings for Groundwater Flooding
- However, we will often support other partners, especially the lead local flood authorities (LLFA) who lead on the response to surface water flooding.





# Flood risk in Lancashire

- > 160 Flood Warning Areas
- ~137 miles of coastline
- 38 rapid response catchments
- 101 large, raised reservoirs



# Flood Guidance Statement

- Provides an overview of the flood risk across England and Wales for the next 5 days.
- Assesses the risk from coastal, river, surface water & groundwater flooding.
- Issued each morning after consultation with regional EA teams.
- Impact assessment process very similar to that used for severe weather warnings.

**FLOODFORECASTINGCENTRE**

a working partnership between



# Impact terminology

The Met Office severe weather risk matrix uses the following impact descriptions;

**Very Low/Low/Medium/High**

The Flood Guidance Statement risk matrix uses the following impact descriptions;

**Minimal/Minor/Significant/Severe**

# The Flood Risk Matrix

Equivalent to the Met Office severe weather impact tables



## Flood risk matrix

LIKELIHOOD	HIGH				
	MEDIUM				
	LOW				
	VERY LOW				
		MINIMAL	MINOR	SIGNIFICANT	SEVERE
		IMPACT			
		VERY LOW	LOW	MEDIUM	HIGH
		OVERALL FLOOD RISK			

### 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



# FGS Front Page

## Flood Guidance Statement

10:30hrs Tuesday 19 January 2021

FLOODFORECASTINGCENTRE

a working partnership between  Environment Agency |  Met Office



Tuesday

19 Jan 2021 10:30-23:59  
Trend since last FGS

Steady



Wednesday

20 Jan 2021

Increased



Thursday

21 Jan 2021

Increased



Friday

22 Jan 2021

Steady



Saturday

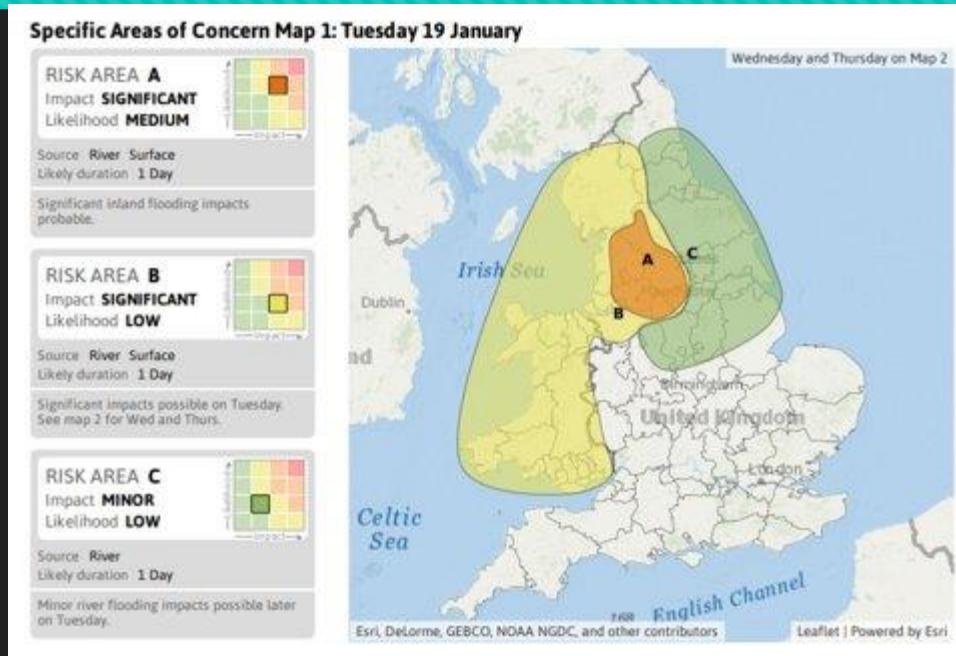
23 Jan 2021

Increased

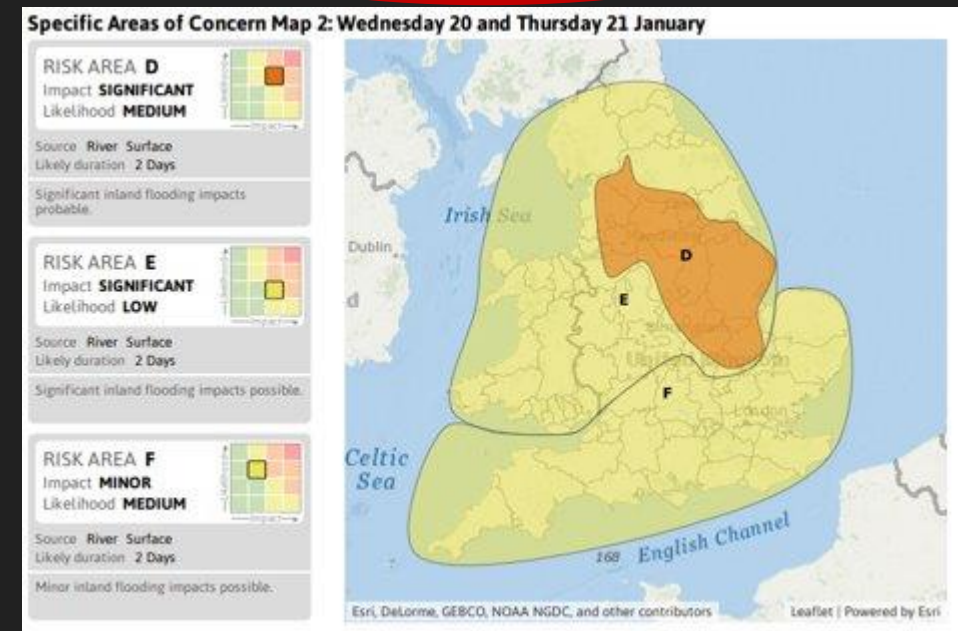


Significant inland flooding impacts are probable today (Tuesday) through to Thursday for parts of northern, central and eastern England. The overall flood risk is MEDIUM.

# Areas of Concern map



Storm 'Christoph'  
18-20 January 2021



# Public Flood Guidance on GOV.uk

## Check for flooding in England



**5 flood warnings**  
Flooding is expected



**28 flood alerts**  
Flooding is possible

[39 flood warnings removed](#) in the last 24 hours

[View map of flood warnings and alerts](#)

Updated at 12:33pm on 9 December 2021

[Check for flooding near you](#) >

### Latest river, sea, groundwater and rainfall levels

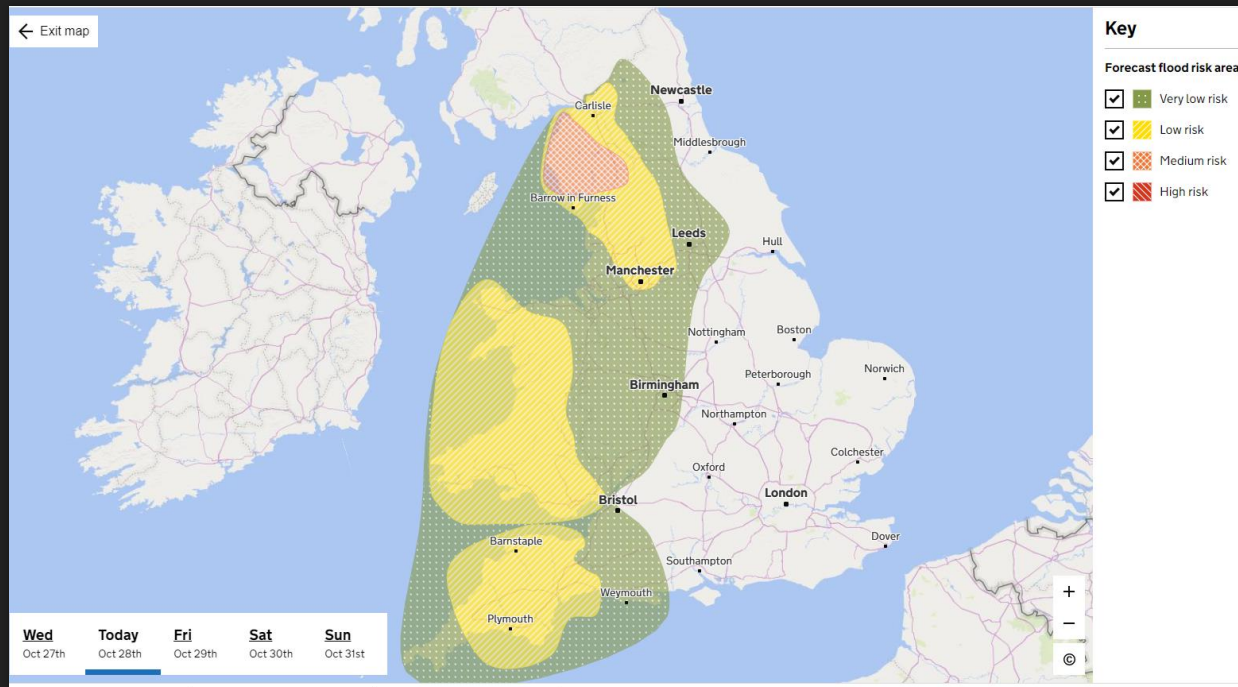
There are around 3,500 measuring stations and most are along main rivers and the coast. These levels can help you understand your flood risk now and over the next few days.

[Find a river, sea, groundwater or rainfall level](#)

### Flood forecast for the next 5 days

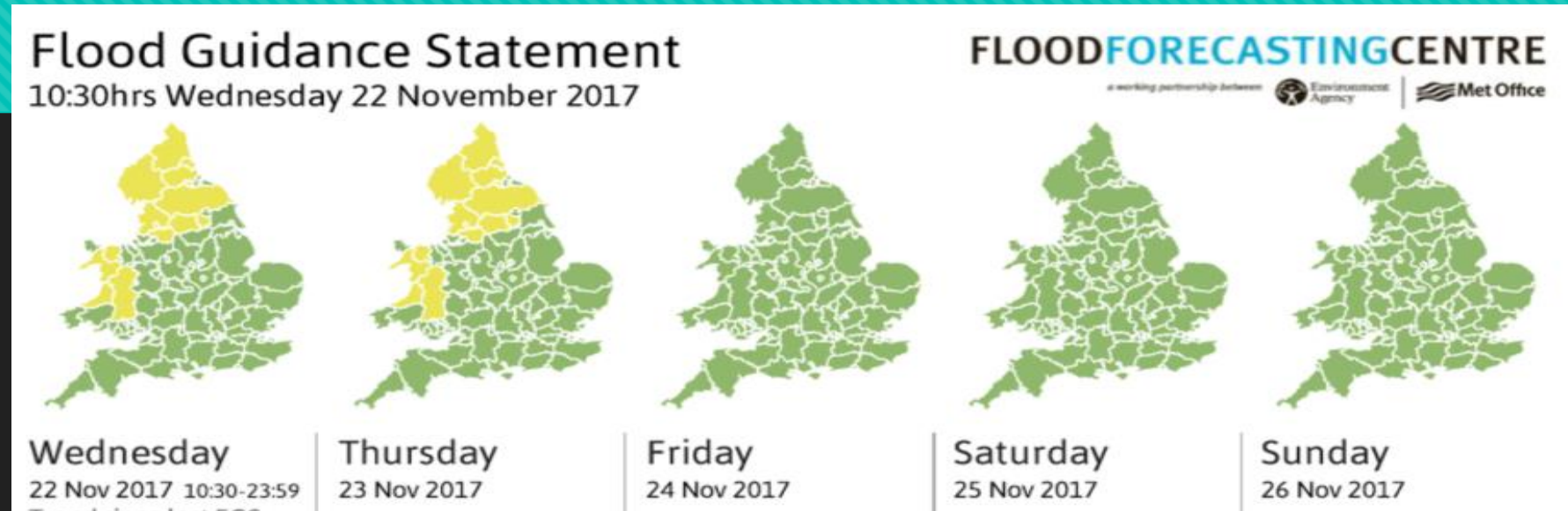
Local flooding is possible from rivers today (Thursday) until Saturday along parts of the River Severn. Local flooding is possible from rivers and surface water this evening (Thursday) in parts of the north of England and on Monday in parts of England and Wales. Land, roads and some properties may flood and there may be travel disruption.

[View map showing flood risk areas](#)

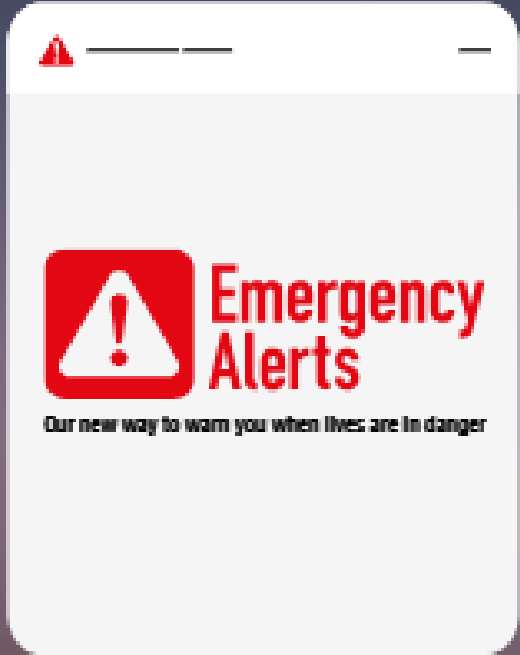


<https://check-for-flooding.service.gov.uk/>

# Flood Advisory Service



- Joint teleconference service offered by the EA and Met Office
- Convened on an **Amber** or **Red** on the Flood Guidance Statement.
- Discuss the potential flooding in terms of scale and impact.
- Gives the opportunity for Cat 1 & 2 Responders to ask any questions and agree a response.



FLOODING IS POSSIBLE. BE PREPARED.



**FLOOD WARNING**

FLOODING IS EXPECTED. IMMEDIATE ACTION REQUIRED.

**Flood Warning**

# Role of the EA duty team during a flood event

- Maintaining and operating flood defences.
- Keeping channels clear and removing blockages from watercourses.
- Monitoring river levels and tidal data in real time.
- Issuing flood alerts and flood warnings based on data provided by our Flood Forecasting Team and the Met Office.
- Responding to reports of flooding.
- Providing advice to members of the public – this can be via our Floodline call Centre or by EA staff on site. **0345 988 1188**
- Working closely with partners to provide a coordinated multi agency response.



# Working to prevent flooding

**Strategic** – We work with stakeholders to develop long-term plans for managing future flood risk

**Projects** – Alongside our capital programme designed to deliver flood defence schemes. We work with partners to deliver Natural Flood Management (NFM) projects. We also engage with local authorities, Councils and partners, looking at how we can better manage flood risk in partnership

**Regulation** – We regulate and influence developers to do the right thing. For instance, new housing developments and road infrastructure. We issue permits to ensure water courses are managed effectively and within the frameworks

**Evidence** – We create data, maps and collate information, this enables the organisation to understand the flood risks of the future.

Partnerships and Strategic Overview Team



Preston & South Ribble Flood Scheme – Lancashire

# Contacting the Environment Agency

- Incident Hotline for the public:
- 0800 80 70 60
- Dedicated incident number for emergency services and partner agencies:
- 0845 850 3518
- Contacts available on Resilience Direct in the Contacts Directory.

