

Environment Agency

Roles and Responsibilities

The Environment Agency is responsible for taking a **strategic overview** of the management **of all sources of flooding** and coastal erosion and are responsible for managing the risk of flooding from main rivers, reservoirs estuaries and the sea

Strategically: this involves **working with partners** to assess and determine flood risk and to identify and deliver solutions to mitigate that risk.

We provide **information on areas at risk** of river, surface water and coastal flooding through flood risk maps.

Operationally: We issue **flood warnings** for main river flooding, our operations team **maintain assets** and clear blockages.

We conduct post-flood investigations to understand what occurred..

Our Resilience team **work with the community** to help the community respond to the event.

Environment Agency



**Over 88,000
properties at
flood risk
from rivers
and sea.
1,392 in
Cheshire East**



**Over 300
incident
response
staff**



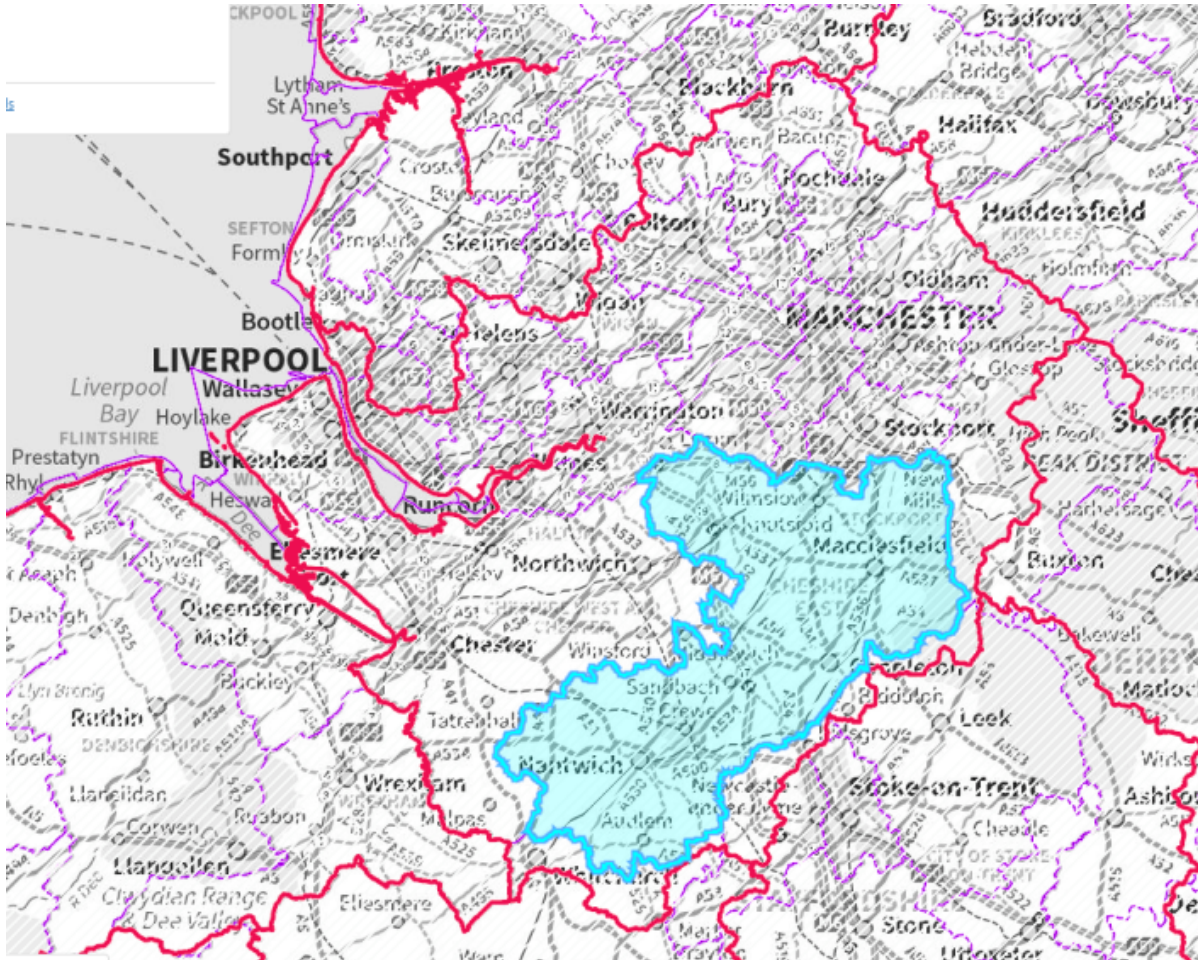
**13 Flood Alert Areas
4 in Cheshire East**



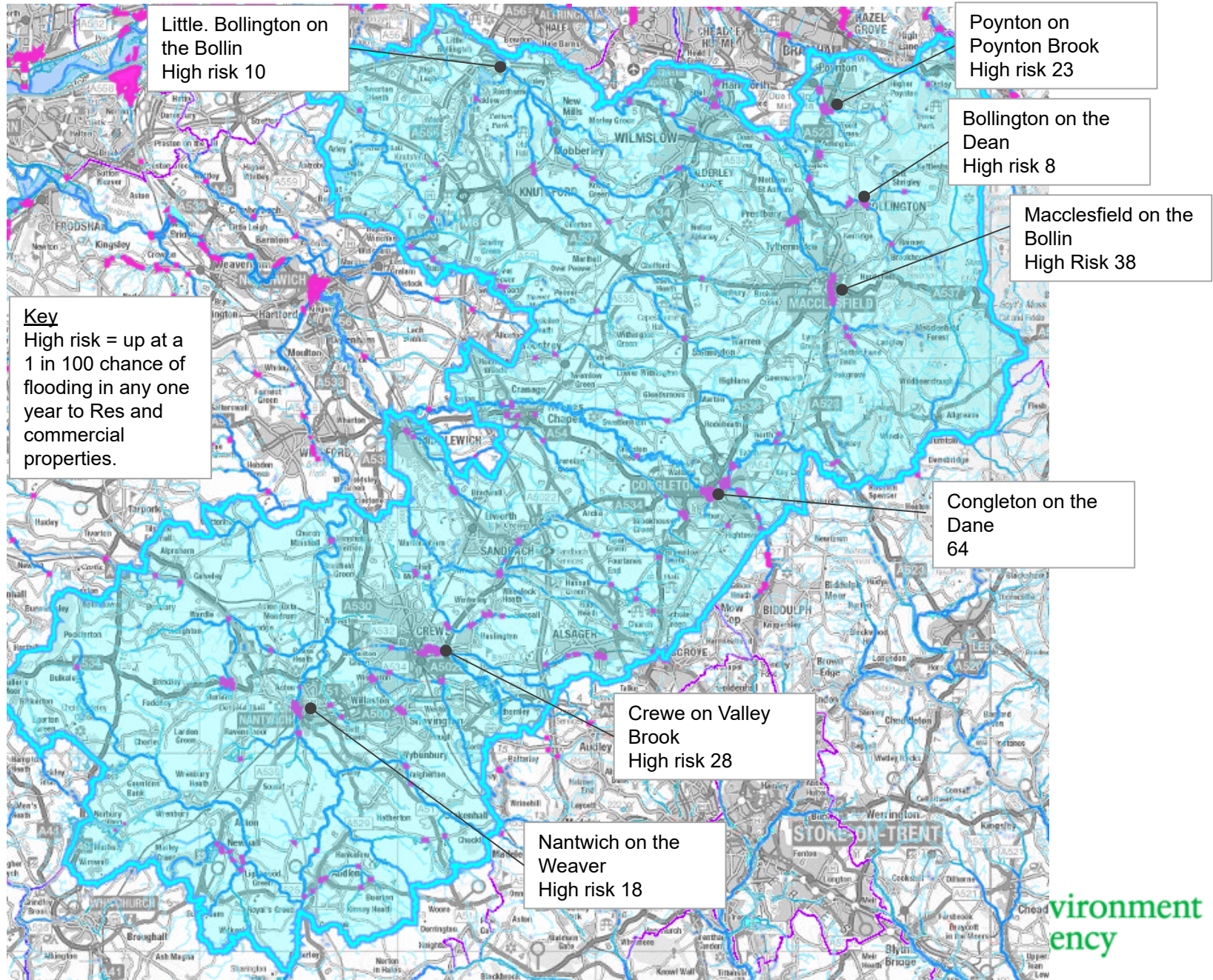
**180 Flood
Warning
Areas- 15 in
Cheshire
East**



**Working with
50
Communities
at risk**



Environment Agency Main River risk map



Environment Agency

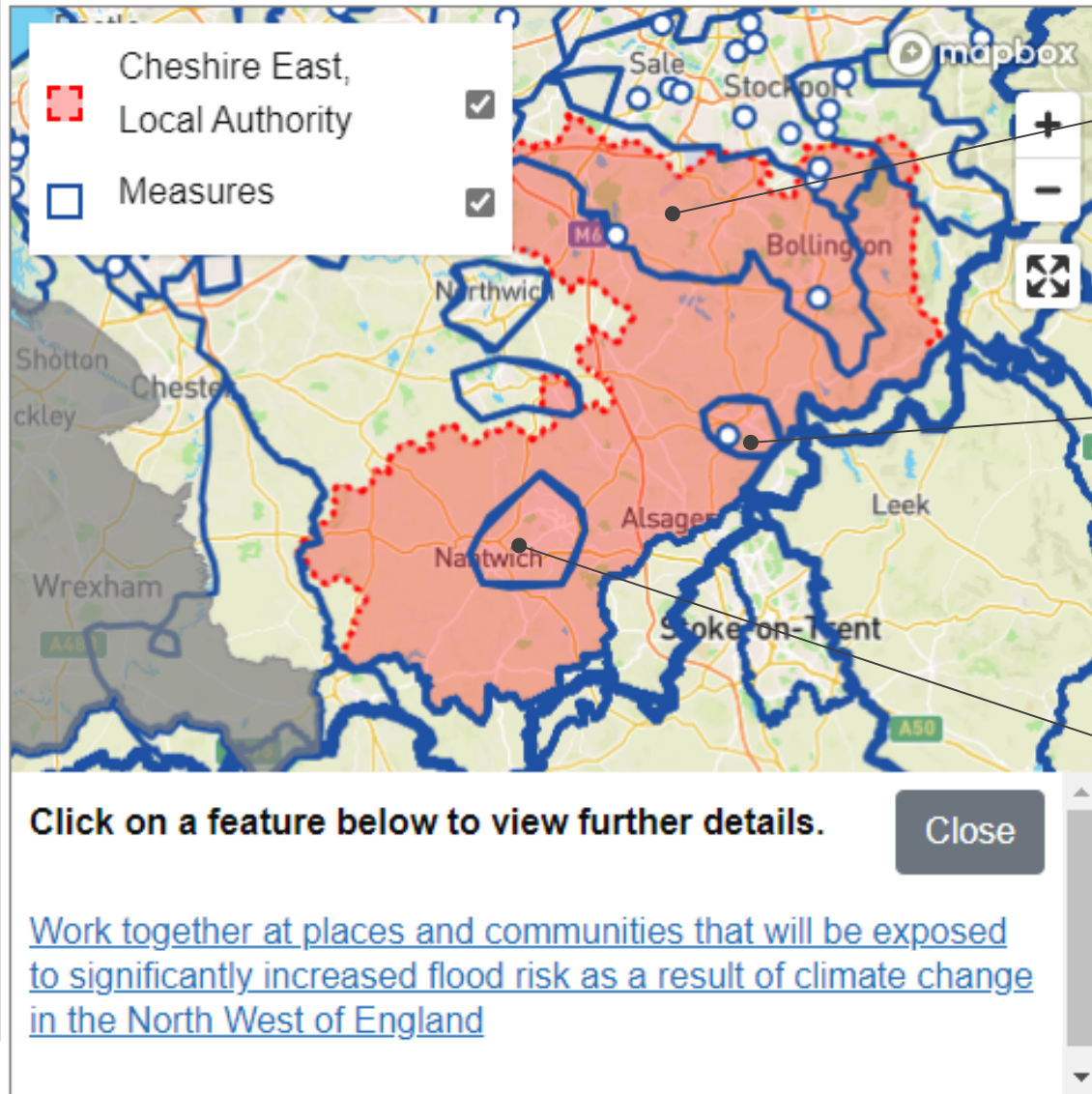
Flood Risk Management Plan 2

National EA strategy

EA: area based strategy, with measures in FRMP2 (second cycle)

Available on Gov.uk

- Key messages: climate change mitigation
- work together
- reduce Carbon
- invest in flood risk assets
- provide planning advice
- monitor weather
- forecast flooding



Work together on Climate Change Mitigation

Take further action where the case is most compelling in identified areas in the North West of England

Work together on Climate Change Mitigation

Environment Agency

Investigate main river flood risk solutions. Strategically, EA administer Defra Flood Defence Grant in Aid (FDGiA) Schemes, and Local Levy funding for the Regional Flood and Coastal Committee. This means advising on schemes, and providing QA on business cases to turn indicative allocations into signed off business cases and deliverable schemes.



Environment Agency

During a Flood Event, we:

Receive Weather Warnings from the Met Office.

Run Forecast weather through Hydrological flood models to determine Best Estimate and Reasonable Worse case forecast scenarios

Hold Flood Advisory Service (FAS) Telecoms with Resilience forum to disseminate intelligence

Attend command structures and give technical advice on Flood Warnings and operational response and potential impacts

Issue Flood Alerts & Warnings using Flood Warning System - telephone system, text and internet, partners, media etc

Operate flood control structures and pumping stations

Clear debris from channels, screens and culverts on main rivers and monitor/repair stressed defences

Met Office

National Severe Weather Warning Service

Yellow warning
Wind

Between
05:00 Fri 17 Feb 2023 and
14:00 Fri 17 Feb 2023

Very strong winds developing through Friday morning associated with Storm Otto may bring disruption to travel.

What to expect

- Road, rail, air and ferry services may be affected, with longer journey times and cancellations possible. High-sided vehicles may be particularly prone in this set-up.
- Some roads and bridges may close
- Power cuts may occur, with the potential to affect other services, such as mobile phone coverage
- Some damage to buildings, such as tiles blown from roofs, could happen
- Injuries and danger to life from flying debris are possible

Further details

A spell of very strong winds is expected during Friday morning, easing from the west during the afternoon.

Winds will be strongest over, and immediately to the east of high ground, with gusts of 55-65 mph. Gusts as high as 75 mph are possible, particularly for some of the more exposed trans-Pennine routes.

High-sided vehicles may be particularly impacted.

Low likelihood of medium impacts

Environment Agency Flood Alerts/Warnings Floodline 0345 9881188	
 FLOOD ALERT	<p>What it means: flooding could occur to low-lying land and roads. Flooding is not expected to affect homes and businesses at this stage.</p> <p>Don't panic but keep an eye on the situation—stay alert and check weather forecasts.</p> <p>Flood alerts can occur quite often and do not necessarily lead to flooding of homes and businesses so please do not be alarmed.</p>
 FLOOD WARNING	<p>What it means: Flooding is expected. Immediate action required. We mainly target Flood Warnings at specific communities that are at risk from flooding. Some Flood Warnings may apply to stretches of coast and river.</p> <p>It will indicate that flooding is expected and that people should take more direct impact actions e.g. move belongings upstairs.</p>
 SEVERE FLOOD WARNING	<p>What it means: Severe Flooding. Danger to life. All customers who receive a Flood Warning will receive a Severe Flood Warning if conditions are met.</p> <p>It will be used in extreme circumstances to tell people that flooding is posing significant risk to life or significant disruption to communities which could also cause risk to life. Depending on the circumstances it would indicate that people should evacuate the area or take shelter within safe buildings.</p>
Warning No Longer In Force	We issue a message to tell people that the flood threat has passed and includes useful advice on what to do next.

Environment Agency

Post-Flood, we:

Undertake post-flood data collections.
Community Support Officers advise communities on how to proceed, closely liaising with Local Authorities.
Support Multi Agency Flood Drop-ins following flooding

We have supported communities across Poynton, Little Bollington, Bollington, Wilmslow, Church Minshull and Nantwich

Advice ranges from insurance requests, possibly grants from Government, future flood risk, potential short-term mitigation.

Input to LLFA's section 19 Reports

Working collaboratively with partners on potential solutions



Environment Agency Macclesfield focus

Macclesfield is identified as a Flood Risk Area. It has specific actions in the Flood Risk Management Plan (FRMP2). Specific actions include:

- Increase the uptake of the Flood Warning Service by 20%, in the Macclesfield Area.
- Partner Authorities map where culverts could be opened and sustainable drainage Systems implemented.
- Investigate culverted watercourse risk and produce a surface water management plan
- NFM opportunity maps produced.
- Working with colleagues on the Hobson St./Ryle St. culverted watercourses issues.