

Broughton Community Flood Meeting

7.30 – 8.30PM

THURSDAY 23RD NOVEMBER 2023

Agenda

- Opening Thoughts (10 mins)
- October 20th 2023 (15 mins)
- Activities Since Nov 2022 (15 mins)
- Next Steps (15 mins)
- Flood Action Plan (5 mins)

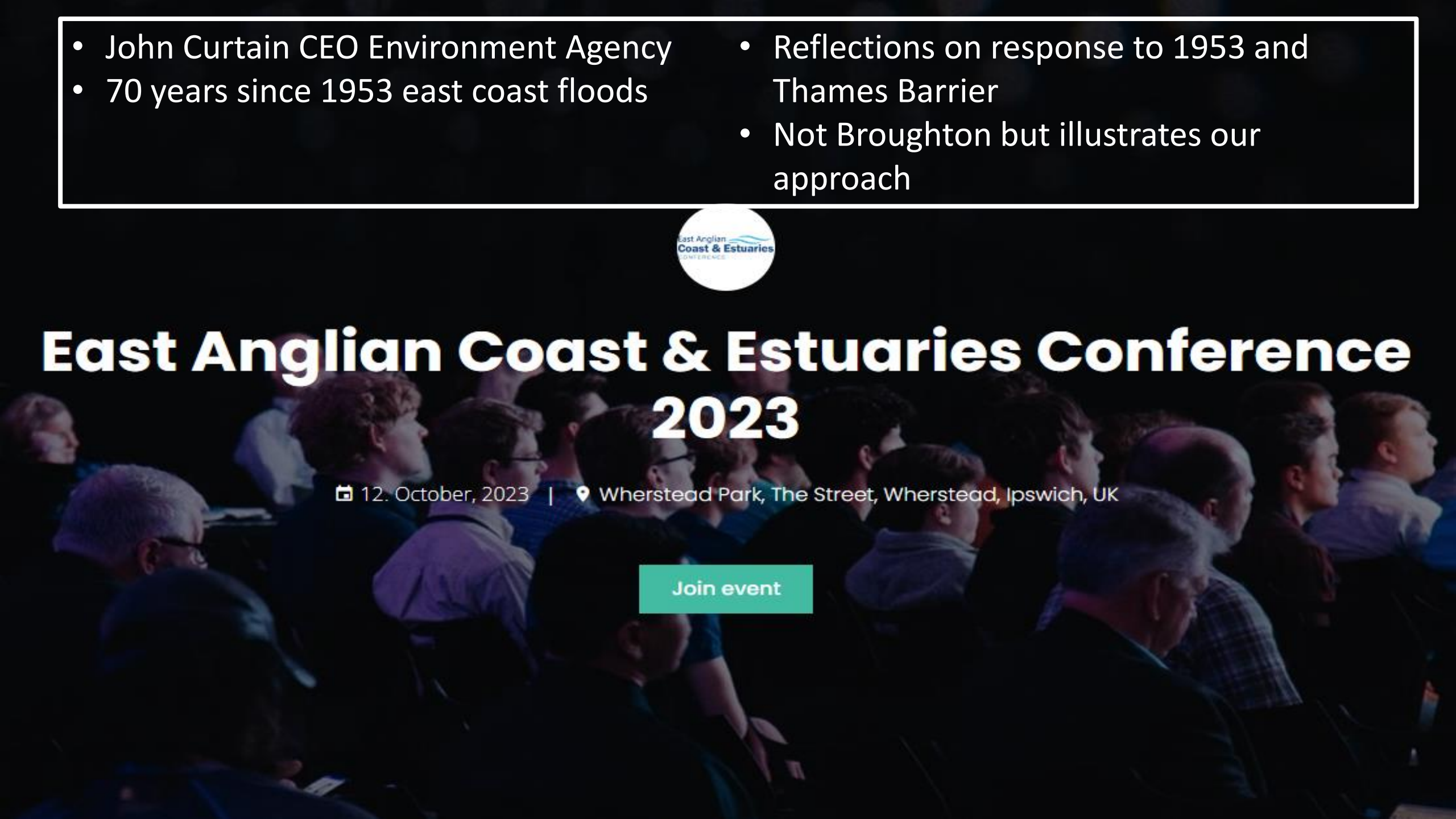


Broughton Flood Action Group

- Volunteers representing the interests of Broughton in matters relating to flooding
  - Help prepare for, and provide assistance during and after a flood
  - Be alert to wider village issues related to flooding, and coordinate a response

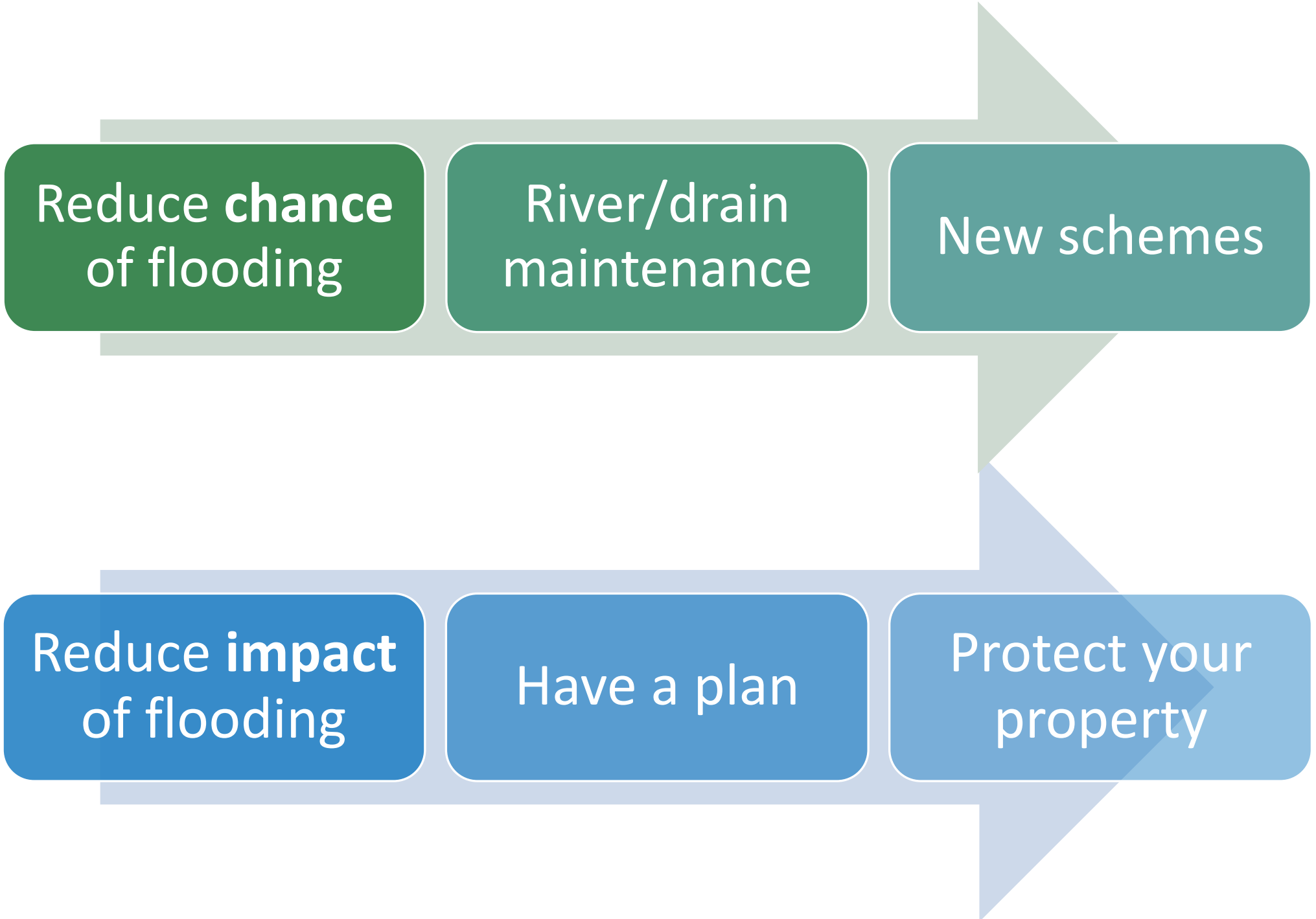
- To find out more or get involved, contact Dave Cobby on 07493 011907; davemcobby@gmail.com

- John Curtain CEO Environment Agency
- 70 years since 1953 east coast floods
- Reflections on response to 1953 and Thames Barrier
- Not Broughton but illustrates our approach



Key Messages

- Climate has changed over centuries and is accelerating
- Response has been to protect, through bigger infrastructure
- However, there are limits (desirability, cost, feasibility etc)
- We must balance infrastructure and our own resilience
- Even best infrastructure fails or is exceeded – we should be ready


Reduce **chance** of flooding
River/drain maintenance
New schemes
Reduce **impact** of flooding
Have a plan
Protect your property

Near Miss Friday 20th October



- School Road Ditch
- Road Closure
- Kings Ripton Gauge
- Communications
- Thoughts / Lessons?





School Road Ditch

- Reported to Cambridgeshire Highways 1st October
- October 20th showed wider issue with drains around village hall
- Evidence of carriageway flooding provided and system should be jetted/investigated in a few months…

Road Closure

- Villagers can’t put out signs or close roads
- If road is flooding call **Police on 101**
- Building up evidence is best way for long-term solution



https://check-for-flooding.service.gov.uk/station/6256

GOV.UK Check for flooding

BETA This is a new service – your feedback will help us to improve it.

Kings Ripton Gauge

Bury Brook level at Kings Ripton

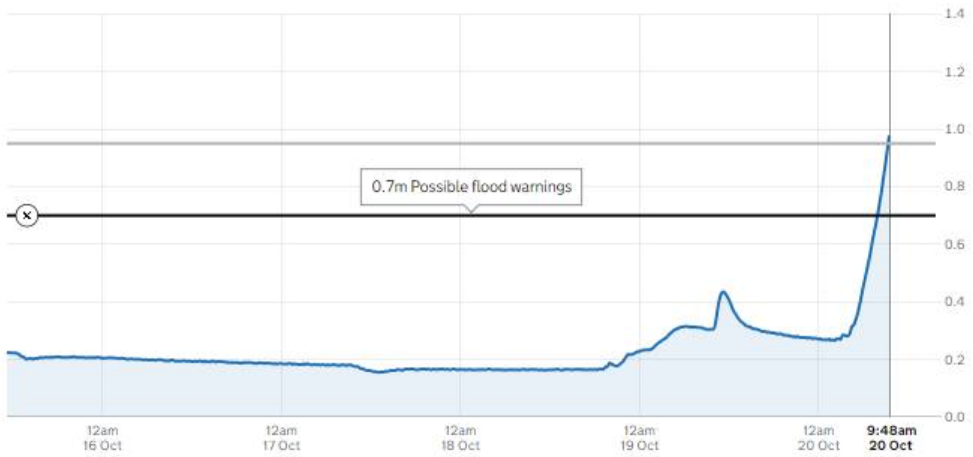
Map Nearby levels

Latest at 9:30am on 20 October

Height	Trend	State
0.98m	Rising	High

Normal range 0.07m to 0.95m

Height in metres over the last 5 days



Bury Brook level at Kings Ripton

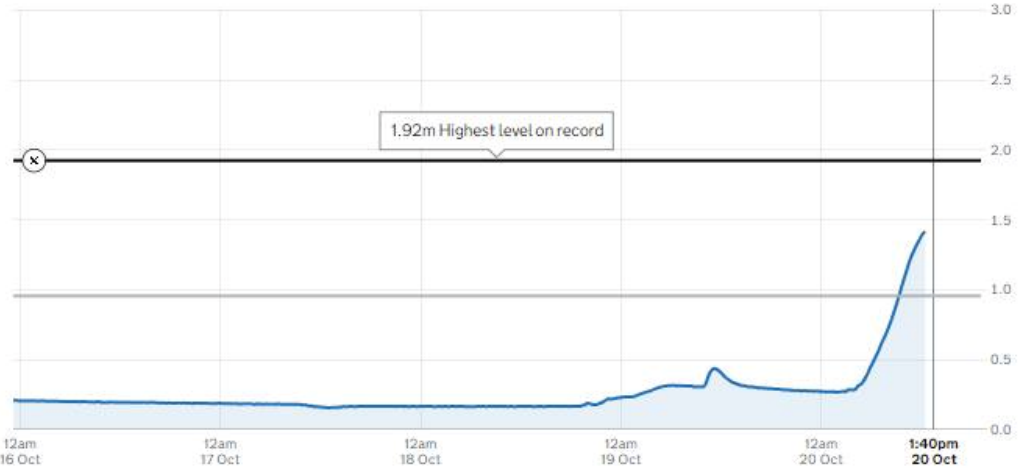
Map Nearby levels

Latest at 12:30pm on 20 October

Height	Trend	State
1.42m	Rising	High

Normal range 0.07m to 0.95m

Height in metres over the last 5 days



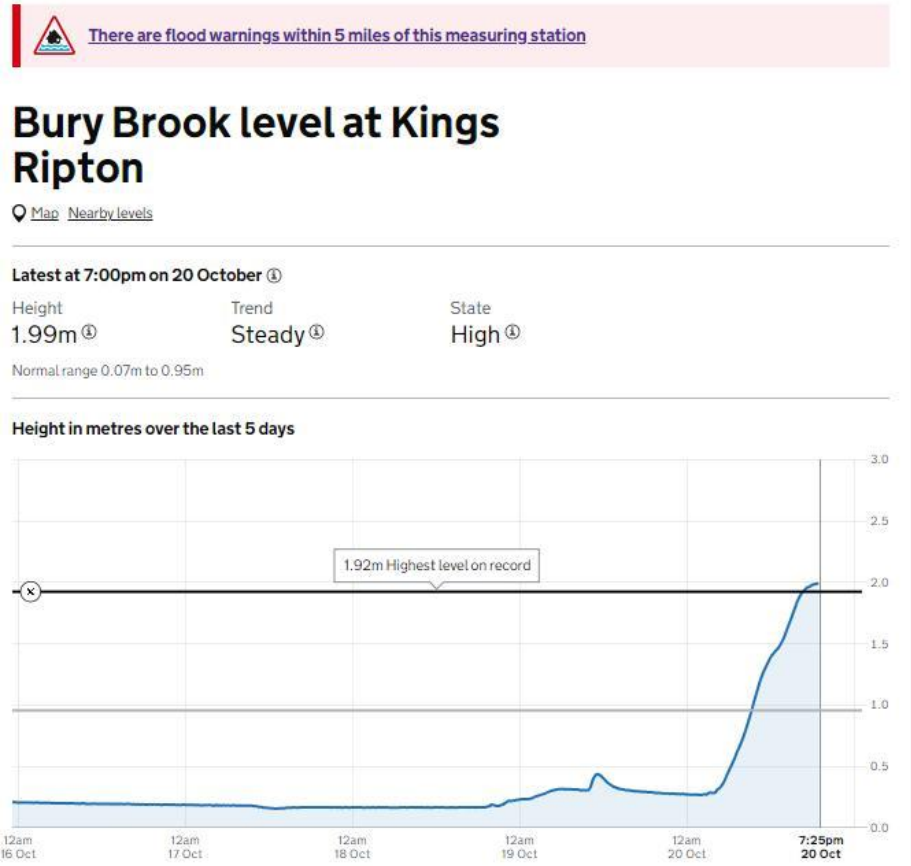
~1m: No Causeway or Bridge Road flooding	~1.5m: Causeway and Bridge Road flooded Flood Alert has been issued

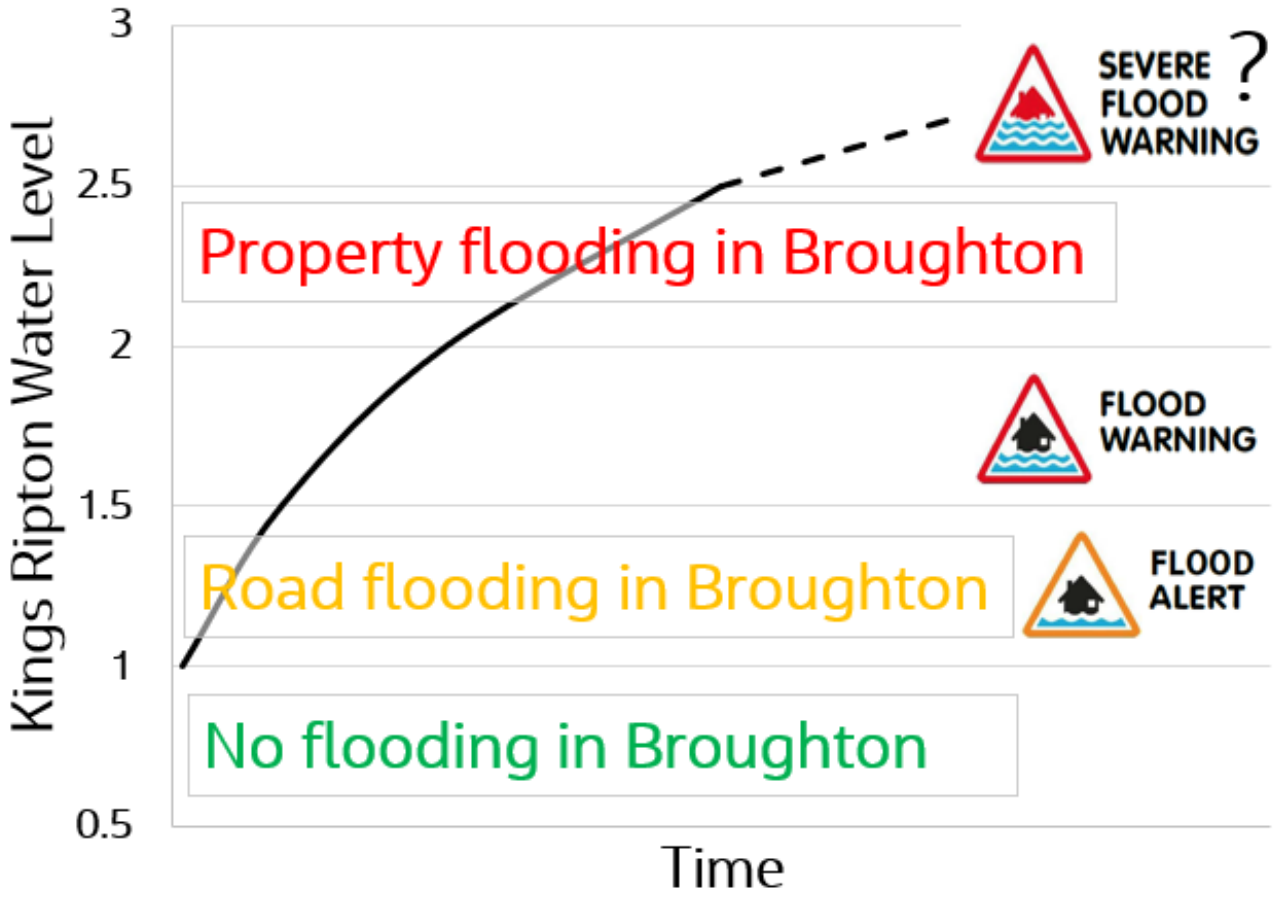
https://check-for-flooding.service.gov.uk/station/6256

GOV.UK Check for flooding

BETA This is a new service – your feedback will help us to improve it.

Kings Ripton Gauge





~2m: Flood Warning has been issued	~2.5m: Property flooding (Dec 2020)

Communications

- Met Office Severe Weather Warnings
- Check for Flooding
- BBC Radio Cambridgeshire

- Broughton (Cambridgeshire) Village Community (Register within Facebook)
- Broughton Flood Action Group (Contact Dave Cobby on 07493 011907)



- A flood warden will try to phone you (Register with Dave Cobby)
- A flood warden will try to knock on your door (Register with Dave Cobby)

Thoughts / Lessons?



Activities Since Nov 2022



- Flood Plans Printed
- Brook Vegetation Clearances
- Equipment Shed
- Flood Sensor Pilot
- Modelling of channel profile and Natural Flood Management

Printed Village Flood Plans

- 40 copies of the village flood plan printed for those on Bridge and Causeway Roads
- Thanks to the Entertainment Committee, Ben and Ian



Brook Vegetation Clearance

- This year, EA is:
  - Weed spraying twice a year
  - Cutting grass on accessible channel sides once a year
  - Annual conveyance check & fix, around Christmas





Equipment Pool has Grown into a Shed!

- Thanks to Environment Agency and Cambridge County Council
  - Also thanks to Mark, Mike, Nick and Helen
- We have:
  - 5 submersible pumps with 20m hoses
  - 5 wet vacuum cleaners
  - Drainage rods and manhole lifting keys
  - Hi viz jackets/trousers for flood wardens
- Available to anyone in the village





Flood Sensor Pilot

- Broughton selected as a location for Cambridge County Council trial
- Two flood sensors installed on footbridge & Causeway Rd bridges
- Gateway will be installed in Village Hall
  - Thanks to Nick
- Sensors being calibrated, alerts set and logins provided

Broughton Road Bridge - ERS Ultrasound

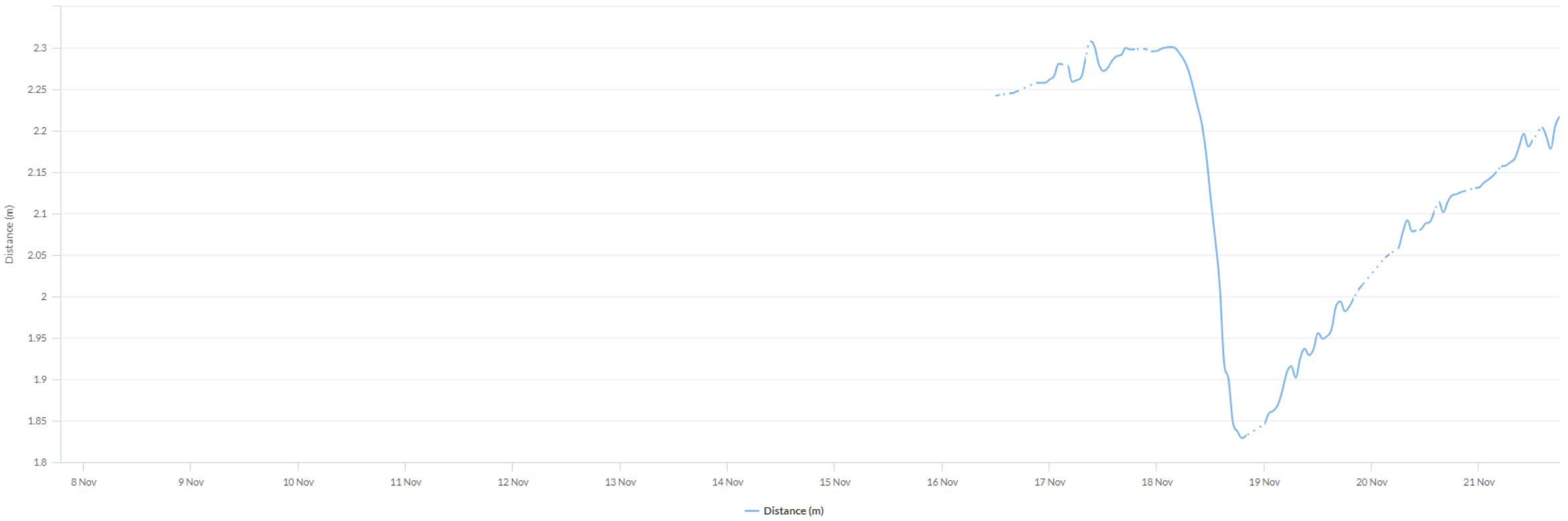
~/ BROUGHTON > BROUGHTON ROAD BRIDGE

Maintenance | Device

Dashboard | Data | Alerts | Notes | Configuration

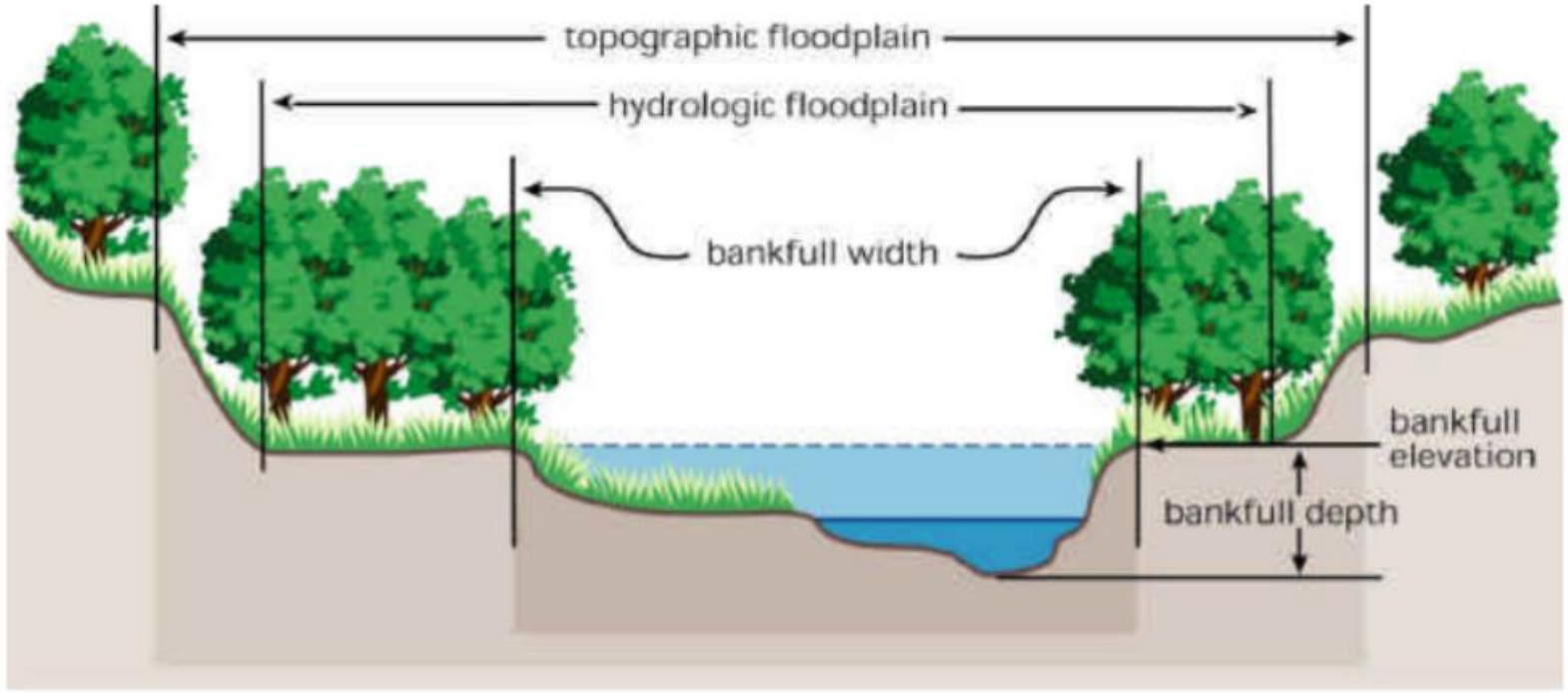
View: Graph | Start Date: 07/11/2023 | End Date: 21/11/2023 | Interval: Auto (1 Hour) | Values: Distance

EDIT GRAPH



Modelling Reprofiled Channel

- Modified profile:
  - Low flow channel
  - Larger high flow channel (1m of far bank removed)
- Minor reduction in flood depths on Bridge Road
- No significant benefit to properties





Modelling Natural Flood Management

- 26,500m^3 storage u/s Broughton
  - 4 reaches of leaky barriers
  - 4 bunds on channel bends
  - 7 other storage areas
- Minor reduction in flood depths on Bridge Road
- No significant benefit to properties

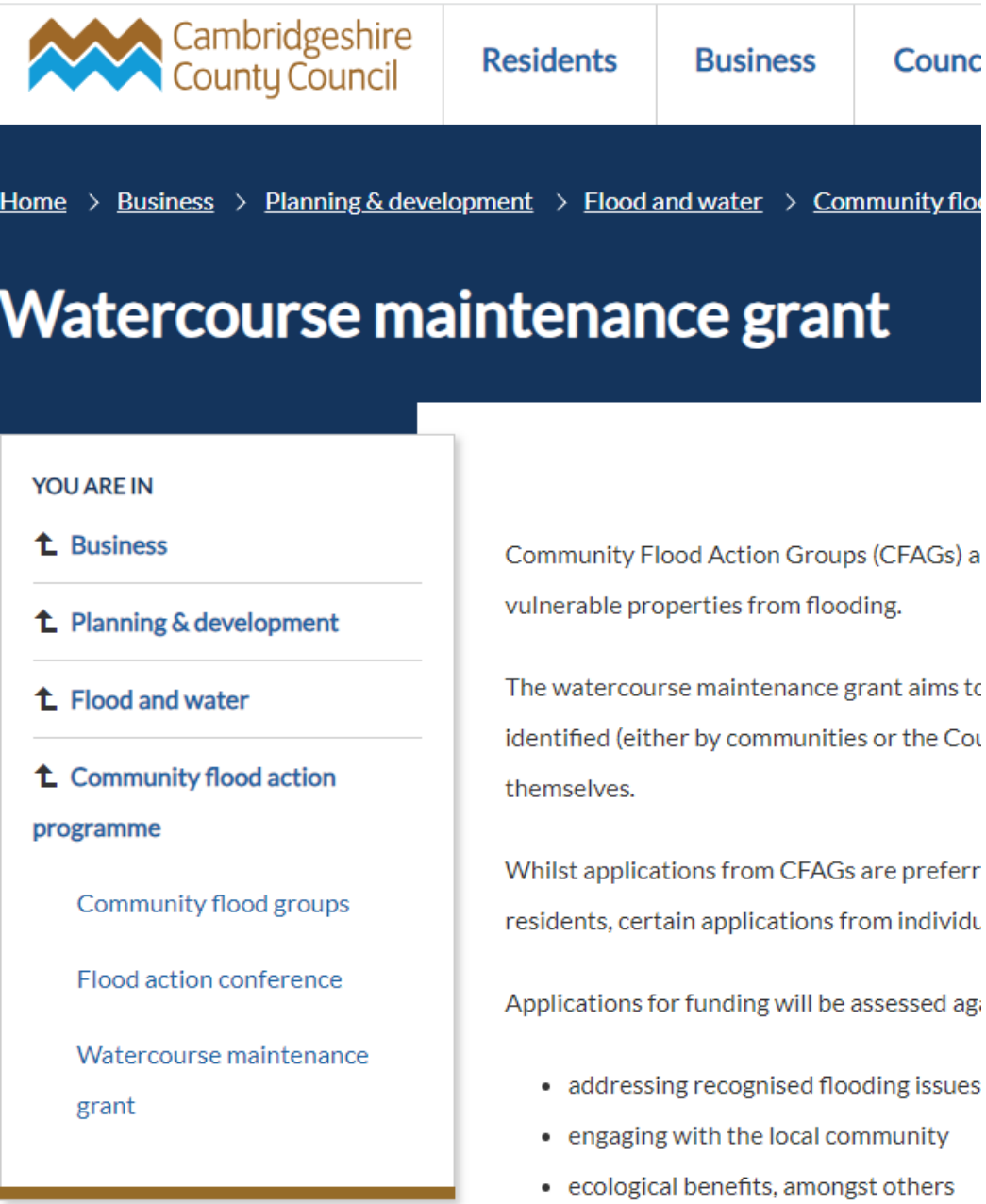
Comments



Next Steps



- Watercourse Maintenance Grant
- CCC investigation into Broughton
- Property Flood Resilience training
- Check your insurance!



Watercourse Maintenance

- Apply for ~£2.5k of equipment and training to maintain Brook:
  - Strimmer
  - Hedge trimmer
  - Chainsaw and training
  - Safety equipment
- Grant closes end March 2024
- Will require volunteers to use equipment!

Cambridgeshire Village Flood Study

- CCC investigating actions in 16 key locations including Broughton:
  - Upstream NFM storage
  - Opening up of culverts/existing ditches
  - Property Flood Resilience
- Stage 2 in new year to engage, shortlist options, economic assessment



Protecting my House

- Used by Property Flood Resilience professionals
  - Resistance and recoverability
  - Why PFR is needed
  - Limitations and what can go wrong
- Foundation course 10 hours online
- Free until Dec 31st 2023



Property Flood Resilience (PFR) training: free for those affected by recent UK storms

Have you or someone you know been affected by recent flooding from Storm Babet or Storm Ciarán? We are waiving the fee on an exclusive 10-hour training package, to help those affected protect their homes and recover faster after flooding.

Not been affected by storms but want to find out more?
Our Property Flood Resilience (PFR) industry training unifies the PFR industry and establishes competencies for those delivering PFR in accordance with the Code of Practice for PFR.

Book your place now

Flood Insurance

- Check your policy covers flood damage
- Flood Re is government scheme providing affordable flood insurance
- Ask about Build Back Better:
  - Offers up to £10,000 extra on each flood claim to pay for resilience measures
- Participating companies include: NFU Mutual, Bank of Scotland, Halifax, Lloyds Bank, Liverpool Victoria, Aviva, Ageas

https://www.floodre.co.uk

https://www.floodre.co.uk/buildbackbetter

Discussion

- Equipment
  - What would help?
- Donations
  - Sharing vs personal use
- AOB



Flood Action Plan



- Quick Reminder



Photo courtesy of Mike Mayson

Broughton Flood Action Plan

VERSION 1

NOVEMBER 2022



How to Use This Plan

- Digital copy – explore the links in the plan
- Paper copy - fill it in and know where to find it!

Remember - you are responsible for protecting your family, home, car and pets

About this Flood Action Plan

Purpose

- Better understand flood risk
- Help you prepare for, cope with and recover from flooding
- Know where to get information & assistance

Contents

1. Before a Flood – Am I Ready?
2. If Flooding is Likely – What am I Going to Do?
3. After a Flood – How can I recover Quickly?
4. Broughton Flood Action Group

Complete this Checklist: Before a Flood

Action	Have I done this?	Action	Have I done this?
Sign up for flood warnings and understand codes		Check flood protection measures ready to deploy	
Know where to get local flood information		How do I raise furniture and white goods off the floor?	
Prepare flood emergency kit e.g. https://nationalfloodforum.org.uk/about-flooding/preparing/emergency-flood-kit/		Where do I move cars and outside belongings/pets to?	
Check insurance covers flooding		Where do I turn off electricity?	
Consider flood survey to better protect house		Where do I turn off water?	

Follow this Checklist: If Flooding is Likely

Be prepared to act quickly		If you have time and is safe to do so	
✓	Get flood emergency kit	✓	Report flooding to help others
✓	Move items of personal value upstairs	✓	Fill containers with clean water
✓	Raise furniture and white goods off floor	✓	Turn off electricity (not if standing in flood water)
✓	Deploy flood protection measures	✓	Turn off water
✓	Move car and outside belongings/pets to higher ground		

Act Fast and Safely to Clean Up



BE AWARE OF SEWAGE/POLLUTION, OBSTACLES AND SHARP OBJECTS WITHIN THE FLOOD WATER. IF YOU ARE IN CONTACT WITH WATER **DO NOT TOUCH SOURCES OF ELECTRICITY.**



DECIDE WHETHER TO SUBMIT AN INSURANCE CLAIM. IF SO, **PHOTOGRAPH AND DOCUMENT EVERYTHING** AS EVIDENCE OF THE DAMAGE.



ACT FAST TO MINIMISE DAMAGE. WALLS AND POROUS MATERIAL ABSORB WATER. WATER CAUSES CORROSION. REMOVING ALL THE WATER LIMITS ROT, MOULD AND BACTERIA.



HIRE OR BORROW PUMPS TO GET WATER OUT, WET/DRY VACUUM CLEANERS TO SUCK UP WATER, DEHUMIDIFIERS TO REDUCE MOISTURE, DISINFECTANT TO LIMIT MOULD AND BACTERIA



Get in Touch if you want Help