

•Investing in Personal Resilience

- What is it like to flood?
 - How to plan, prepare and become resilient to being flooded.
- Mary Dhonau OBE Hon
DSc Hon RICS



@floodmary



I am Speaking from first hand experience!



▲ Severn Trent's Eric Butt clears sewage from a Waverley Street drive this morning. Pictures by John MacBrayne. 52599221
▼ Severn Trent workers clear sewage and other debris



To you, we are a column in a newspaper. To us, we've lost our lives as we knew them!



Floods have the capacity to take out a community!



The aftermath a home in Carlisle!



Imagine the stress being forced to leave your home like this could cause to you !



The night before these were just
'normal homes'

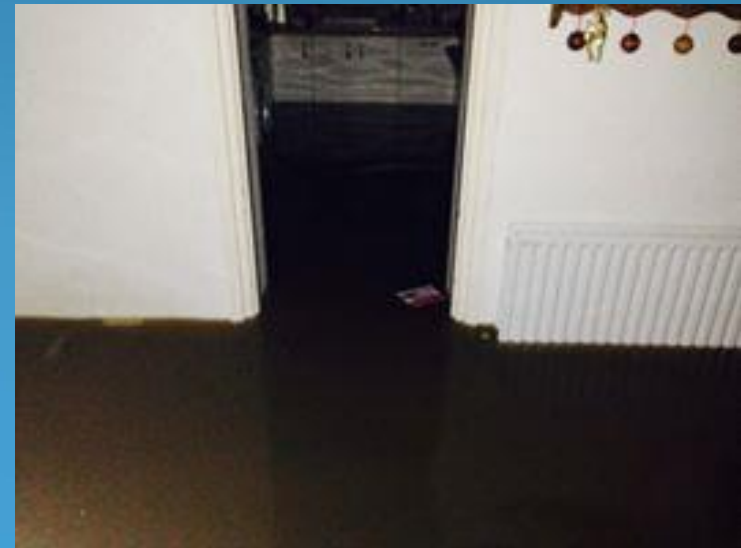


Being rescued from your home is a traumatic experience!





Christmas Eve Tonbridge 2013



Floods are not discerning – they happen on Birthdays too!



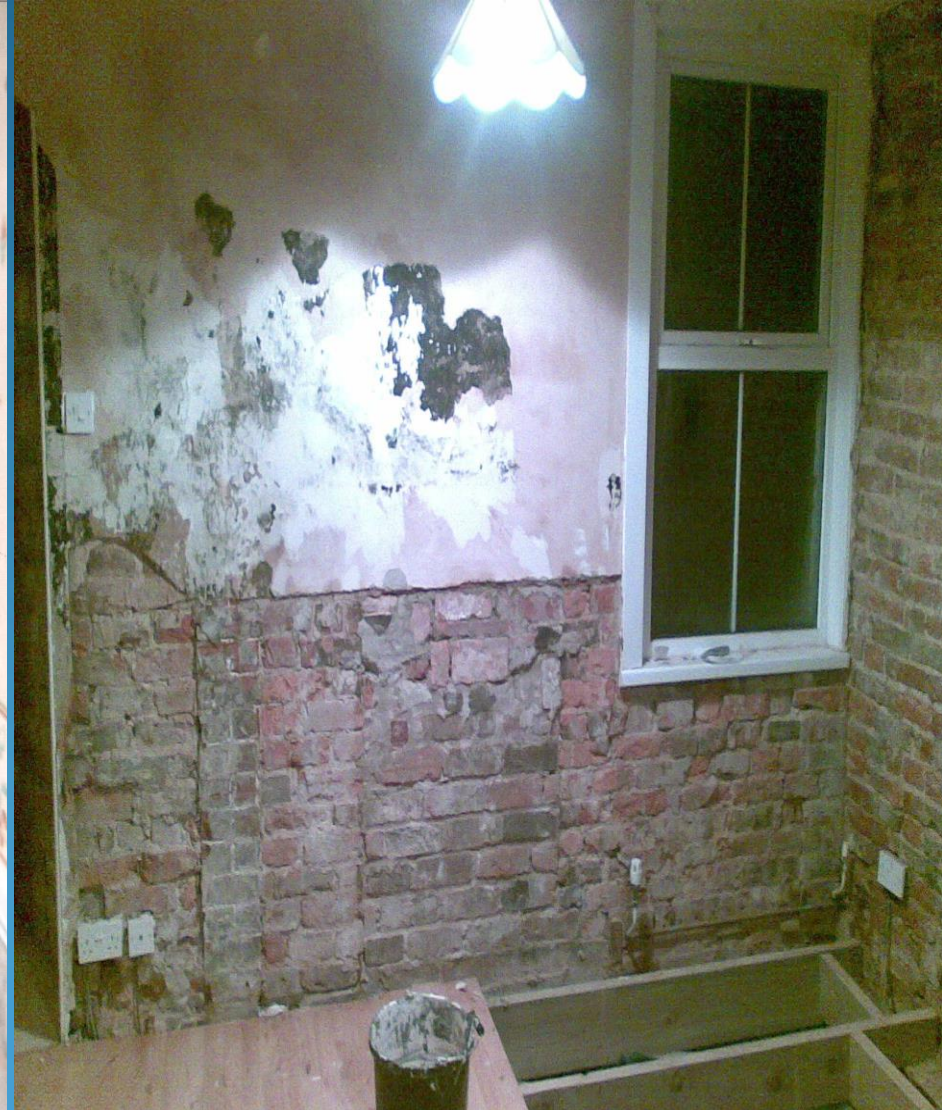
Familiar Scenes but these are the contents of peoples homes!



Would you like to live in here
for a year or more?



When the Minister and the media have gone



After the flood....



What do we look on as lives top most stressful events?

Spouses
death?

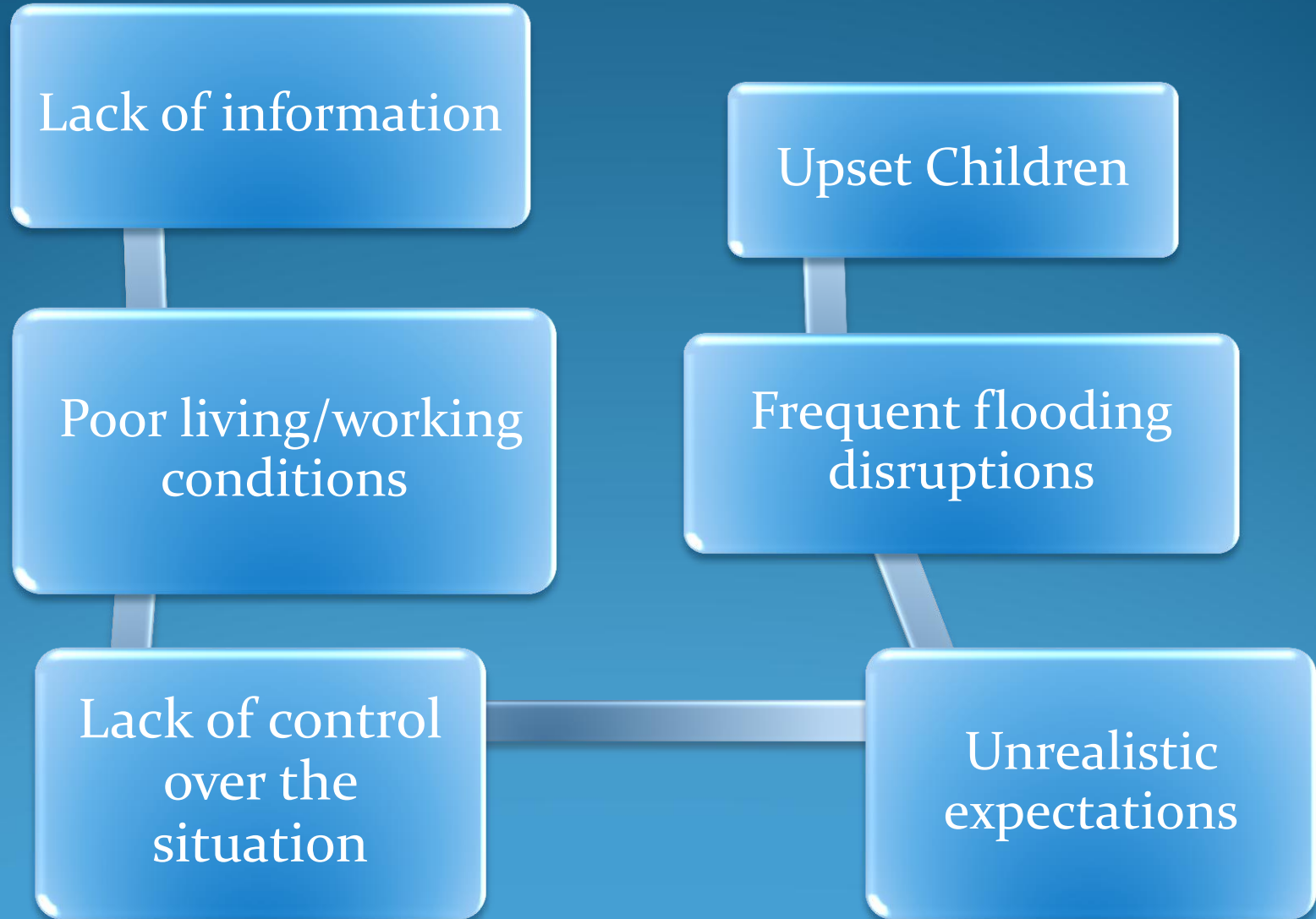
Divorce?

Injury or
illness?

Redundancy
or money
problems?

Retirement?

Post Flood Stresses



The Know Your Flood Risk Campaigns new flood recovery guide free download



During the last decade or so, flooding has been on the increase- so how should those deemed at risk become more resilient to flooding?



Noah was aware..... and he took
action!

Community Based Telemetry systems



Let's make a few changes to reduce
our own flood risk!





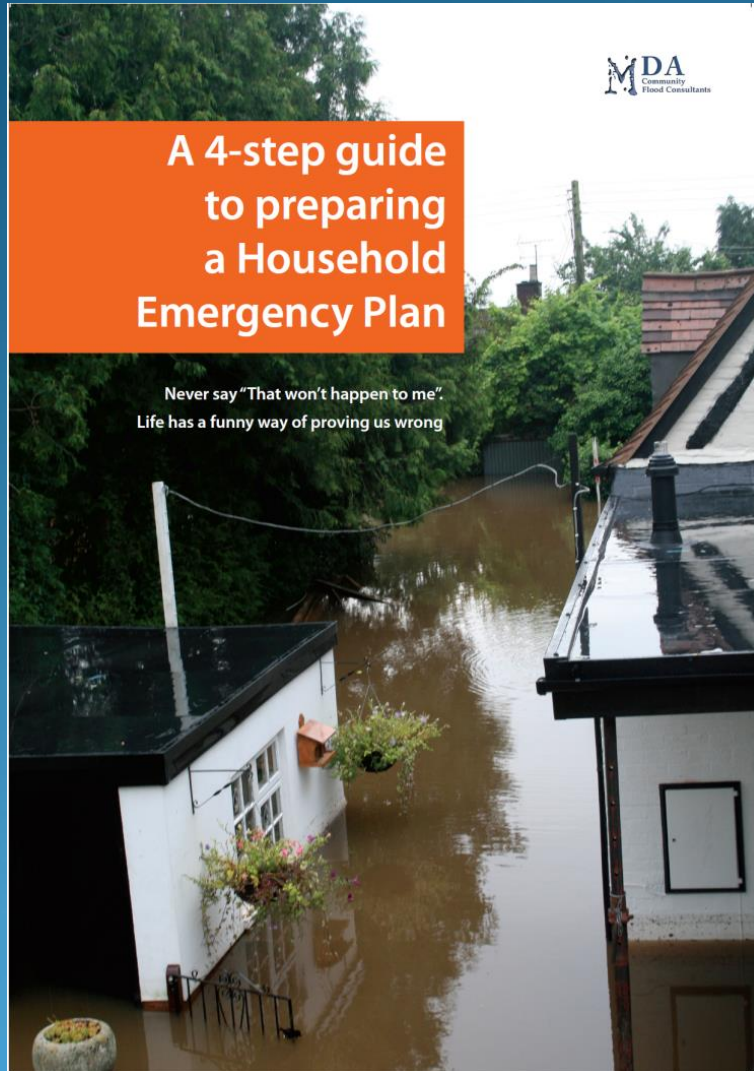
My own urban
garden –
water butt, gravel
(and tomatoes
refusing to ripen!)



Planning in advance is so much better than during!



Preparation is essential!



HOME EMERGENCY PLAN

NAME _____

TELEPHONE NUMBERS _____

Think about the dangers you might face and how you will prepare for them - time spent now will be time well spent if the worst ever happens. Making a plan helps you stay focused when your mind is whirling and you are unsure of what to do - and in what order!

Evacuation

If you need to be evacuated stay where you are until the emergency services come to help you.

Never travel anywhere if you're told it's not safe to do so - six inches of flood water can knock an adult over and two foot of water can float a car!

You will only be asked to leave your home if necessary and for your own safety.

Your local council may assign emergency rest centres - if you wish to stay with family and friends ensure your key contacts are aware of your location.

Don't go back to your home until you are told it is safe to do so. Keep tuned in to local TV or radio for advice.

Where will we meet? If you cannot get home or contact each other pick two places where you could meet. One close by, the other slightly further away in case the emergency is more widespread.

Nearby place: _____

Outside the immediate area: _____

Where can we stay? If you have to evacuate could you stay with friends or family. Have two different places in case one of them is away.

Name: _____

Address: _____

Home Phone: _____ **Mobile Phone:** _____

Name: _____

Address: _____

Home Phone: _____ **Mobile Phone:** _____

Where and how do we turn off the following? Only do this if you have time to do so.

Water: _____

Gas: _____

Electricity: _____

Will any neighbours need our help?

Name: _____

Address: _____

Home Phone: _____ **Mobile Phone:** _____

Name: _____

Address: _____

Home Phone: _____ **Mobile Phone:** _____

Communities at risk should have input into this

			
		<h1>community flood plan</h1>	
Parishes and communities working together			
Community or group	<input type="text"/>	Address	<input type="text"/>
Floodline <u>Quickdial</u> Number	<input type="text"/>	Which Environment Agency flood warnings are you registered to receive?	<input type="text"/>
Local flood warning trigger <i>i.e. when water reaches bottom of the bridge</i>	<input type="text"/>		

Ban the sand bag!

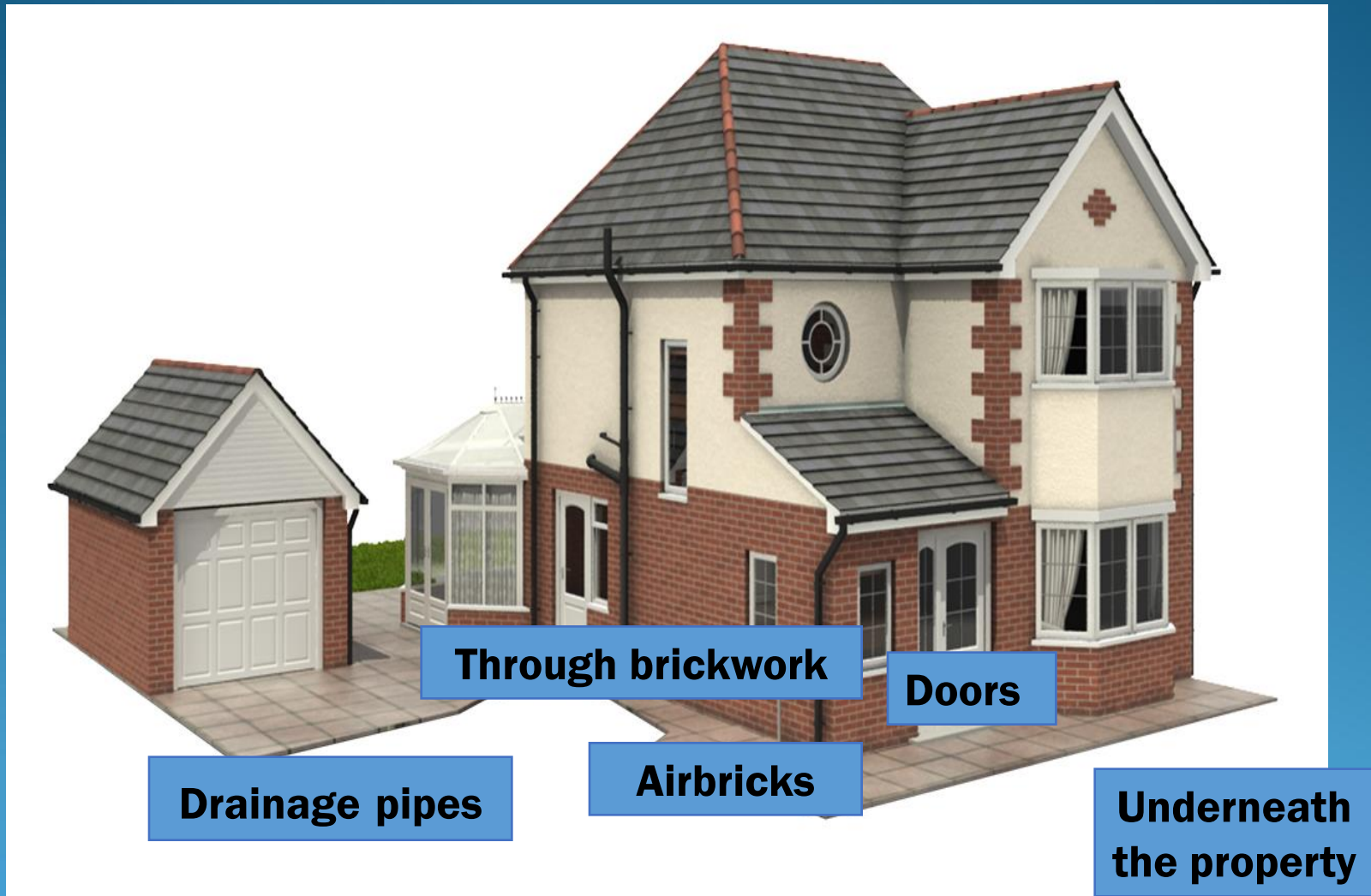


An excellent example of sandbags not working !

Huge pile of used Sandbags in Somerset!



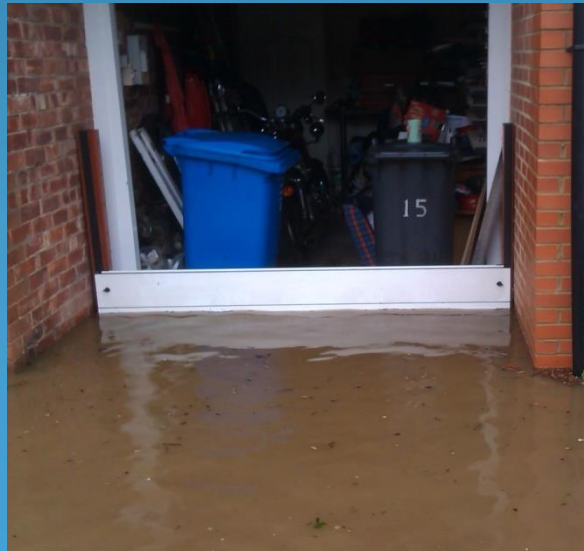
Floodwater can enter a home by many routes



Two examples of flood barriers in place during the recent floods



A Flood Ark system tested in anger in Morpeth



Flood Ark with failing sandbag!



Flood Guard on the Thames Jan 14





Floodgate tested in anger!



Flood defender had just been fitted when this happened!



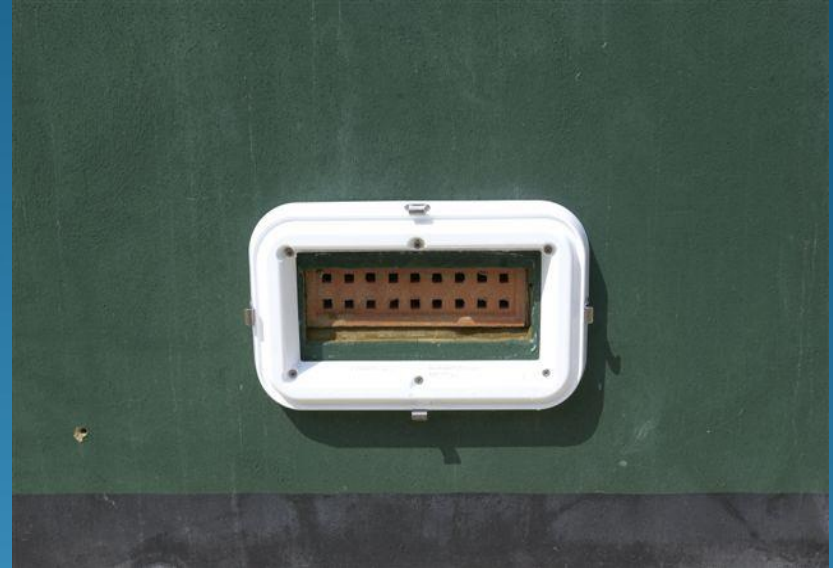


Passive Flood Doors

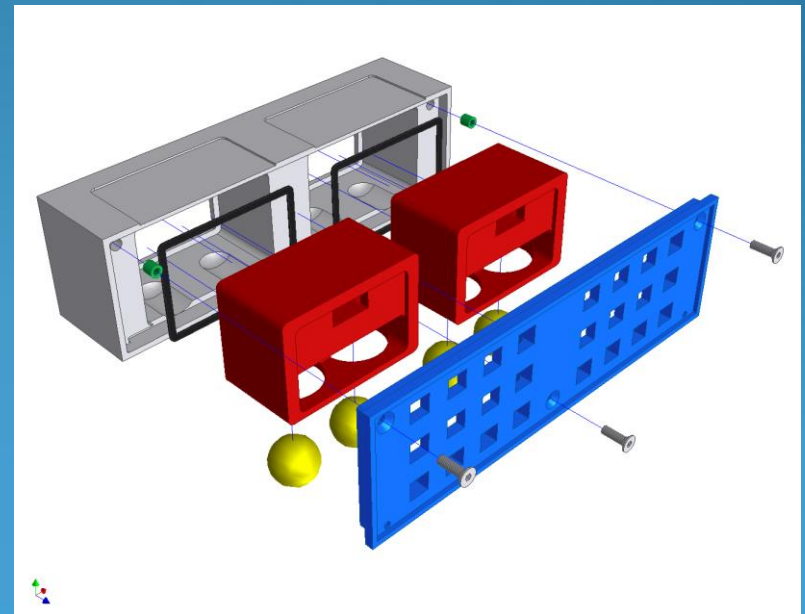
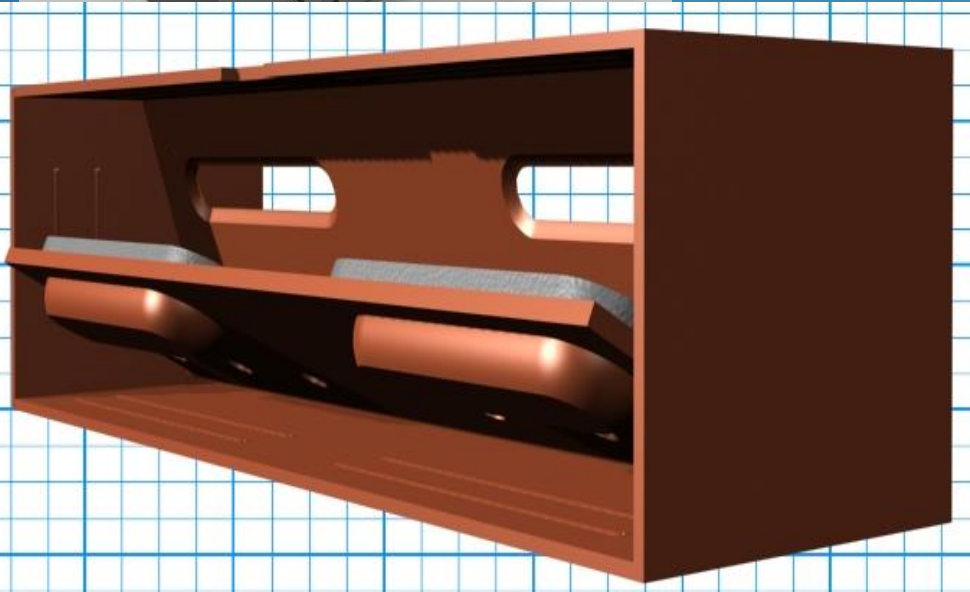
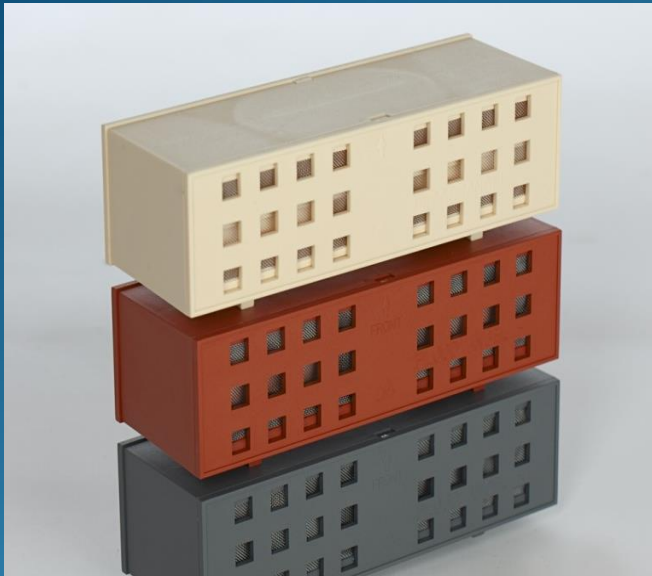
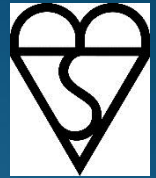




Airbrick Covers



Self closing airbricks





The heart of a good waterproofing system is a sump and pump

Non return valves, pan seals, toilet bungs, backwater valve



Keeping the floodwater away from your home!

Stored in the ground until needed, activated by water



Self rising barriers

This bungalow had been flooded several times – until they installed this simple solution!



Rapid Dam



A sandbag wall costs £231 per metre and has to be disposed of! Some temporary defences can cost as little as £205 per metre and can be used again!



Home saved from repeated flooding by Water-gate



Post flood photo

My Website Marydhonau.co.uk

The screenshot shows a web browser window displaying the website for Marydhonau Associates (MDA). The browser's address bar shows the URL www.marydhonau.co.uk. The website header features the MDA logo, which consists of a stylized 'M' and 'D' with 'A' in between, followed by the text 'Community Flood Consultants'. Below the logo, a paragraph states: 'Marydhonau Associates (MDA) is a specialist independent community flood consultancy working to raise local flood awareness by advising and assisting on flood prevention and resilience. If your home or business is at risk of flooding, then we can help you to plan and prepare so that the dreadful impacts of flooding will be dramatically reduced.'

A navigation menu is located below the text, with items: Home, About Mary, Information, Gallery, Contact, Useful Links, Testimonials, Blog, and Case Studies. Below the menu are two images: the left one shows a flooded interior room with water on the floor and a chair; the right one shows a flooded residential street with a car partially submerged. Below these images are four small circular indicators, with the second one filled, suggesting a carousel or a list of items.

The main content area has a heading 'About Marydhonau OBE Hon DSc Hon RICS'. The text below reads: 'Having suffered the appalling consequences of being flooded myself on many occasions, I have made it my mission in life to raise the awareness of flood risk and to support those at risk in their preparation for being flooded. A bit of thought and preparation before a flood, could help to reduce the horrible impact that being flooded has on individuals, families and businesses. Planning ahead breaks down into 4 sections:-'.

Below this text is a list item: '1) Find out if you are at risk of being flooded by clicking [this link](#), this will take you to the Flood section of the Environment Agency's website. This is an interactive map and will give you the level of risk your home or business face from being flooded. For more detailed and essential information about flood searches, please look under [useful links](#)'.

On the right side of the content area, there is a 'Follow me' button with the Twitter logo and a small image of a woman in a red dress.

The browser's taskbar at the bottom shows various application icons and the system clock displaying '13:12 09/08/2015'.

National Flood Forum Blue Pages Flood Product Directory

The screenshot shows a web browser window displaying the homepage of the Blue Pages Flood Product Directory. The browser's address bar shows the URL www.bluepages.org.uk. The website has a blue header with navigation links: HOME, MY ACCOUNT, ADD LISTING, and CONTACT US. A search bar is located on the right side of the header. The main content area features a cartoon character holding a house icon, with the text "WELCOME TO THE BLUE PAGES" and "THE UK'S LEADING INDEPENDENT FLOOD DIRECTORY". Below this, there are three featured listing boxes: "ast FLOODWALL SYSTEMS", "ALLIANCE GROUP SOLUTIONS LTD", and "WEIR & CARMICHAEL packaging your world". A "Recently Added Listings" section shows "StormMeister Flood Protection Products". On the right, a "Website Categories" list includes: Accommodation, Air Brick Protection, Cleaning / Drying, Complete Flood Solutions, Door Barriers, Emergency Flood Kits, Flood Alarms, Flood Barriers, and Flood Doors. The bottom of the browser window shows the Windows taskbar with the date and time: 13:05, 09/08/2015.

www.bluepages.org.uk

HOME MY ACCOUNT ADD LISTING CONTACT US

Search

WELCOME TO THE BLUE PAGES
THE UK'S LEADING INDEPENDENT FLOOD DIRECTORY

IMPORTANT INFO

This is a directory of property flood products and services put together to advise and inform you of the range of products available to help reduce the risk of flooding to your home or business.

Whilst the National Flood Forum can not endorse any of these products, we are happy to provide a platform in order to enable people to make informed decisions.

USEFUL LINKS

National Flood Forum Property Protection Pages

Featured Listings

ast FLOODWALL SYSTEMS
AST Floodwall Systems

ALLIANCE GROUP SOLUTIONS LTD
Alliance Flood Solutions Limited

WEIR & CARMICHAEL
packaging your world
Weir & Carmichael LTD

Recently Added Listings

StormMeister Flood Protection Products

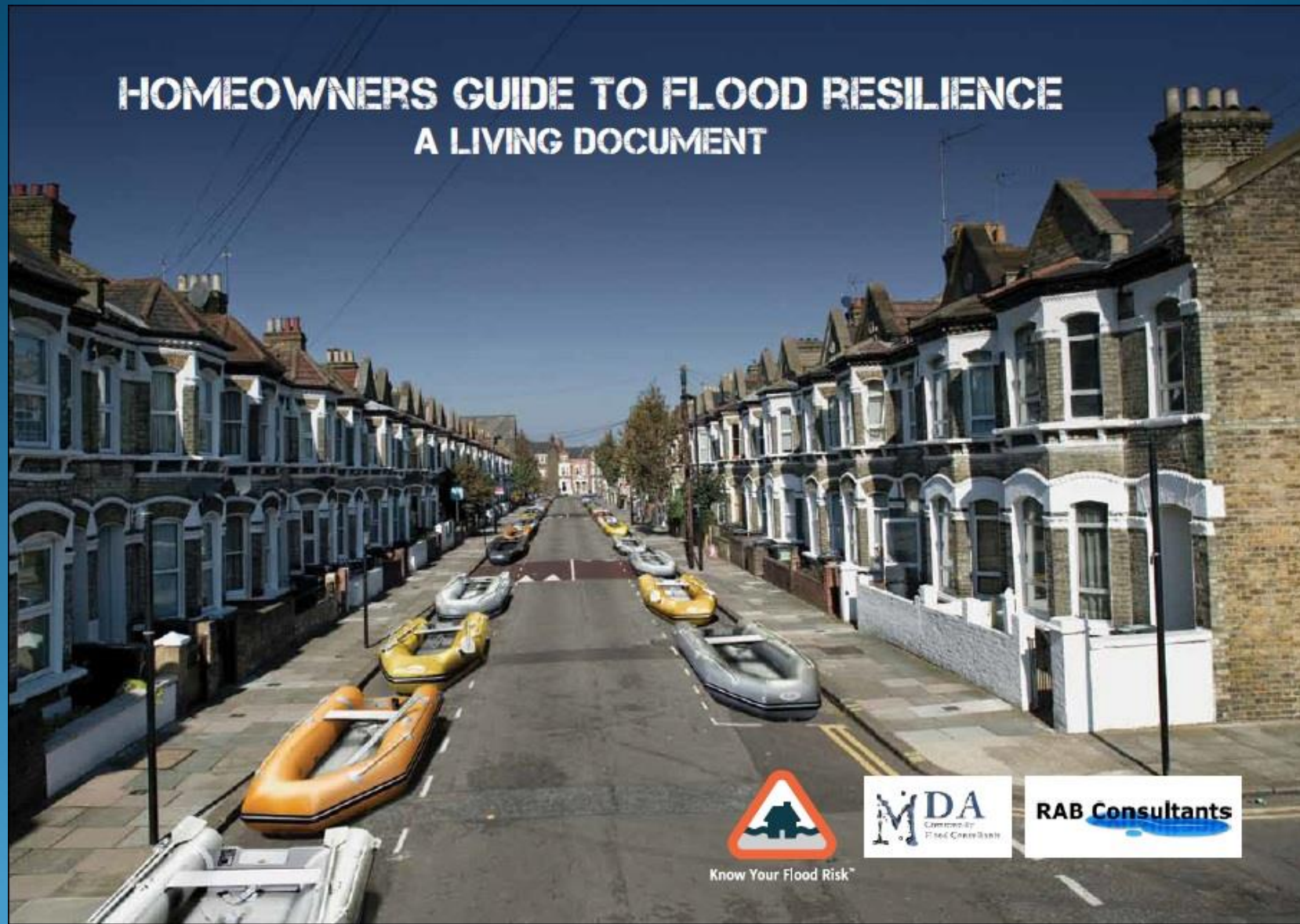
Website Categories

- Accommodation
- Air Brick Protection
- Cleaning / Drying
- Complete Flood Solutions
- Door Barriers
- Emergency Flood Kits
- Flood Alarms
- Flood Barriers
- Flood Doors

13:05
09/08/2015

HOMEOWNERS GUIDE TO FLOOD RESILIENCE

A LIVING DOCUMENT



Know Your Flood Risk™



www.knowyourfloodrisk.co.uk

Property Care Association

Established trade body which enables the customer to find trusted and accredited trades people for both flood recovery & property flood resilience.

Members of the Government backed TrustMark scheme.

The screenshot shows the Property Care Association website. At the top left is the PCA logo with the text 'Property Care ASSOCIATION'. To the right is a 'Members Login' button and social media icons for Facebook, Google+, Twitter, and LinkedIn. Below this is the tagline 'Promoting skills and good practice to help you care for your property'. A navigation menu includes 'Home', 'About', 'Homeowners', 'Professionals', 'Training & Qualifications', 'Membership', 'News', and 'Contact'. The main content area features a map of the UK with a search overlay. The overlay has a magnifying glass icon and the text 'Find a Property Care Specialist'. It includes a search box with 'London, United Kingdom' entered, a 'Search' button, and dropdown menus for 'Member Type' and 'Service'. Below the search box is a 'Browse All Specialists' link. At the bottom of the page, there is a carousel of six service categories, each with a representative image and a caption: 'Damp Control', 'Flood Restoration', 'Invasive Weed Control', 'Structural Repair', 'Timber Preservation', and 'Structural Waterproofing'. A 'View all members filed under Timber Treatment' link is overlaid on the Timber Preservation image.

A non insurance claim in Oxford



Pumping out!



Remember the Flooded Kitchen slide?



This home had 5ft of water in it
only 10 days before!



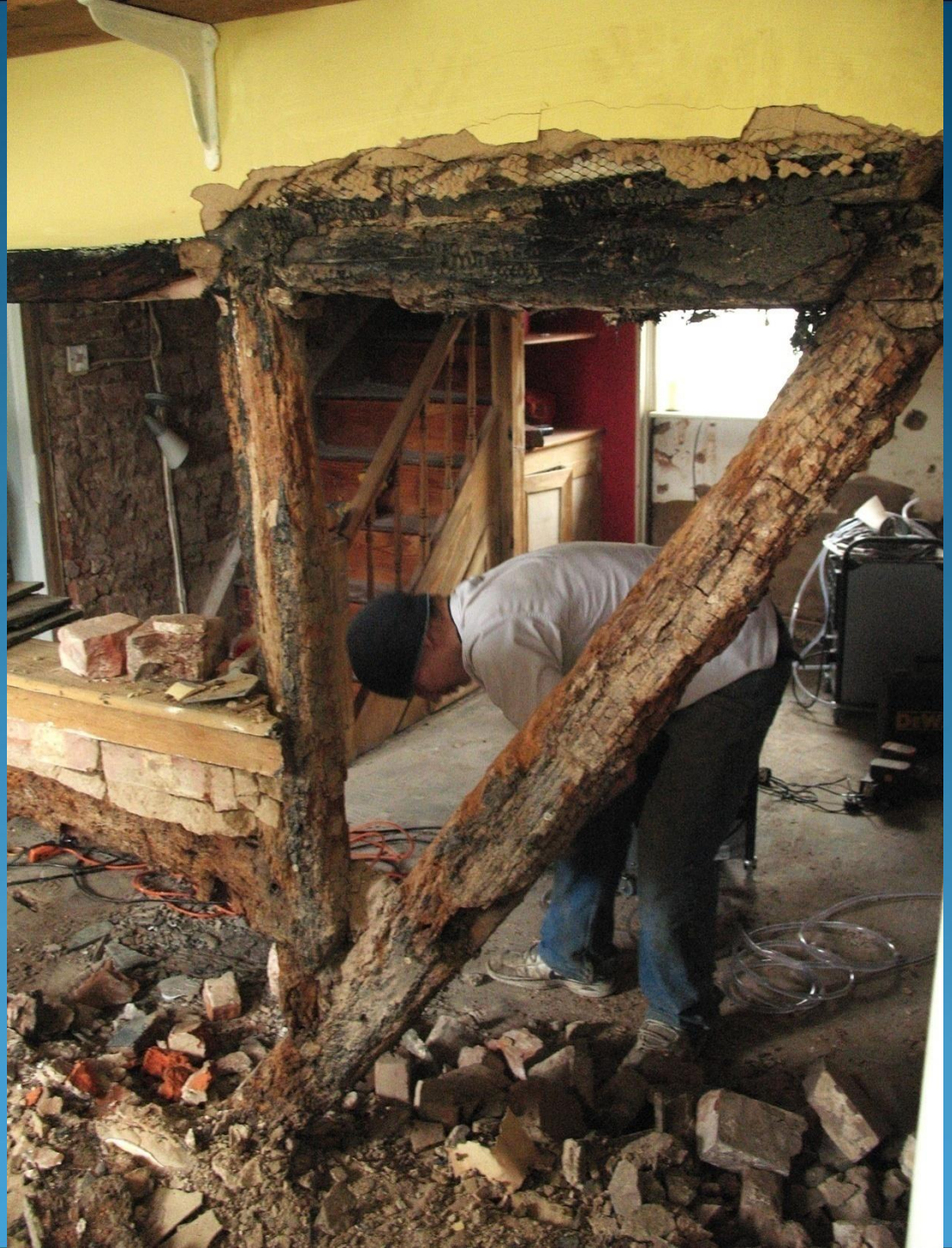
A case study in Uckinghall Worcestershire



Home for 2 years!



**While this
is sorted!**





High gloss solid acrylic doors



Powder coated steel carcass



Stainless steel kick board



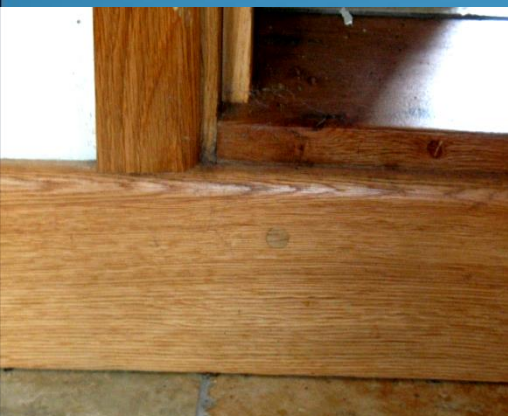
Sink on wall with no vanity unit



Fuse box high up



Hang the television!



Nailed oak skirting



Plastic chairs



Bathroom moved upstairs



Fireplace raised



Demountable radiators



Boiler raised up



Oil tank above flood height



Open plan oak staircase



Easily dismantled book case



Lightweight chaise longue



Folding table and lightweight

Thank you for listening!



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@floodmary

