

Business Continuity in a Changing Climate: Would your Business Stay Afloat?



Mark Russell Flood Forecasting Manager, Environment Agency (SW)

ENVEC, 8th October 2009, Winter Gardens, Weston-Super-Mare

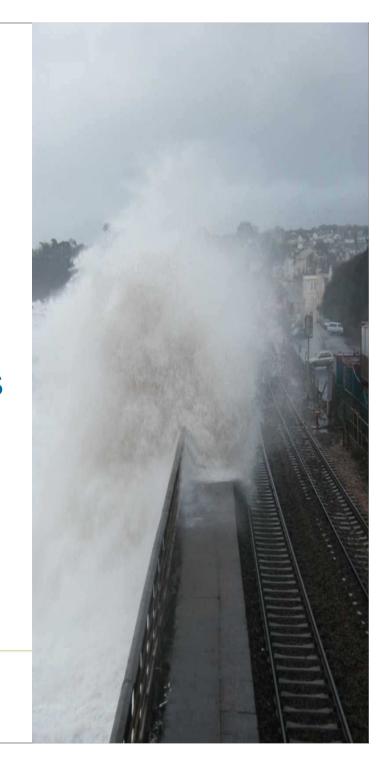


Climate change impacts on flood risk in the South West

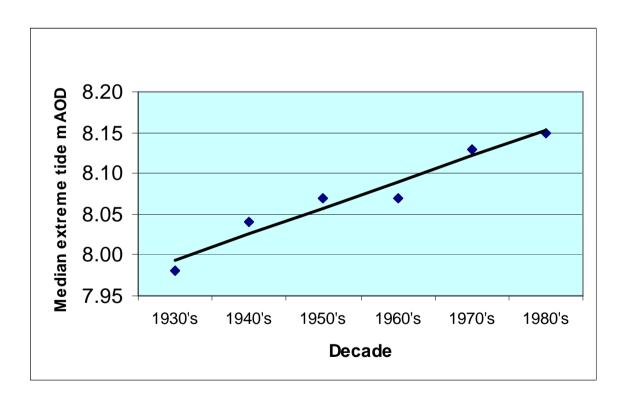
- New Areas at Flood Risk
- Longer Duration of Flood Higher low tides
- Greater damage from Waves
- Existing Areas at Increased Flood Risk.

Main line railway to Devon and Cornwall, Dawlish

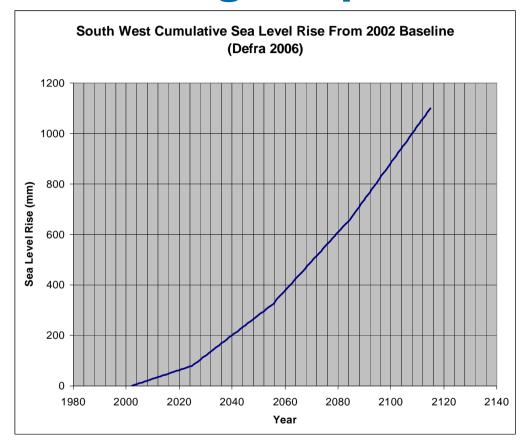




Extreme tide levels at Avonmouth

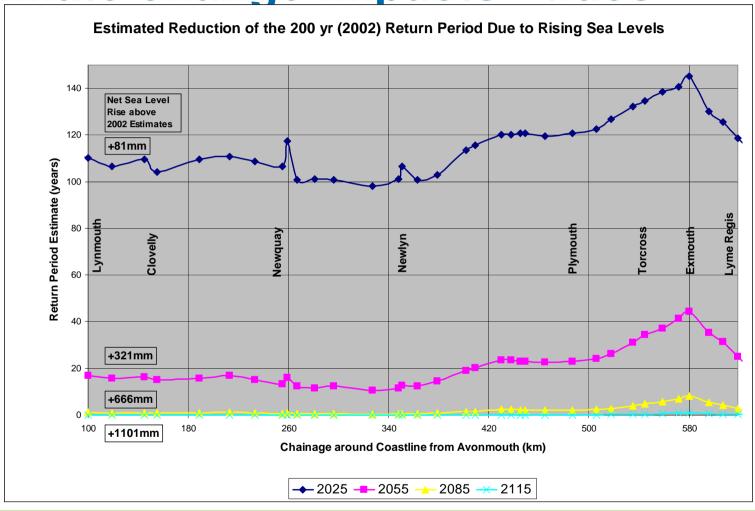




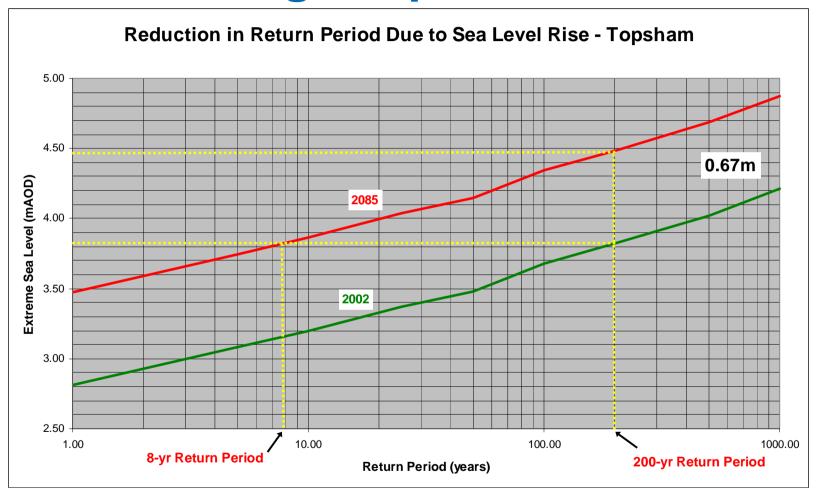


Based on UKCIP 2002





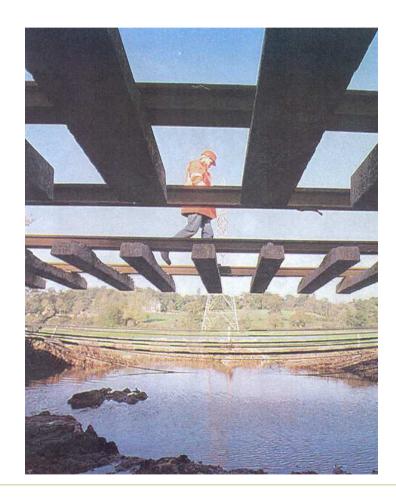






- Defra advice up to 20% extra peak flow
- Low confidence –Based on Severn & Thames
- Extents in well defined floodplain unlikely to change a great deal
- Change in frequency is likely to be most notable difference.

Mainline railway for Devon and Cornwall, Exeter, Dec 2000











Impacts of flooding on business continuity

Impacts of flooding on business continuity

When considering how climate change is going to affect the UK, it's useful to understand the risks that current climate already poses to individuals, landscapes, organisations and the economy, before moving on to explore future climate risks. (UKCIP, 2008)

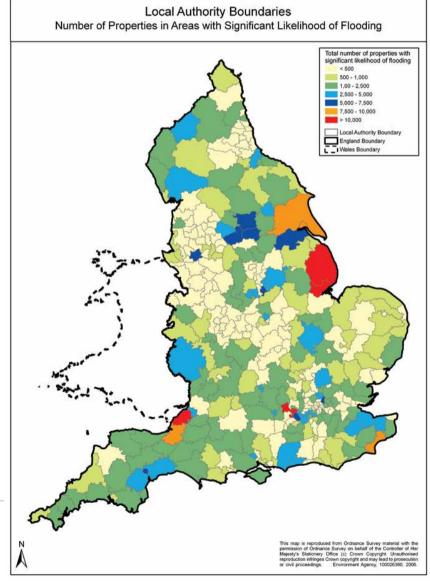






Impacts of flooding on business continuity

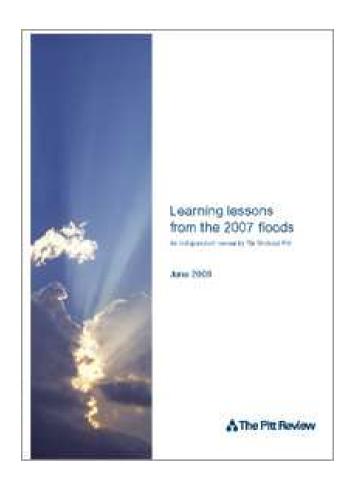
- 1 in 6 properties at risk of flooding
- Over 175,000 businesses in the floodplain in England and Wales
- ◆ Flood damage often > £50,000





Impacts of flooding on business continuity – Summer 2007

- ◆ 43,000 homes and 5,000 businesses
- Average period of disruption was 8.75 days
- 12% said they had taken action to mitigate against the effects of flooding
- ◆ 1.6% were considering relocating to premises less vulnerable to flooding



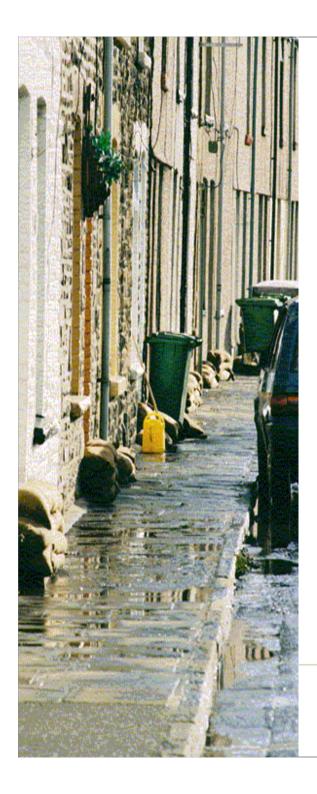


Impacts of flooding on business continuity – Summer 2007 – An example from Sheffield

- **♦** 1:30 pm
- **♦** 1:50 pm
- **€** 2 pm
- **♦** 3:30 pm
- Next day







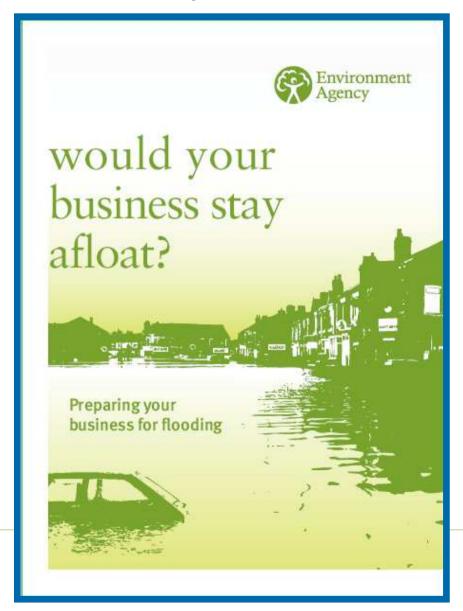
Environment Agency Actions

Environment Agency Actions – Would your business

stay afloat?

National campaigns

- National toolkits − Would your business stay afloat?
- Targeted local campaigns
- Partnerships





Environment Agency Actions – Would your business

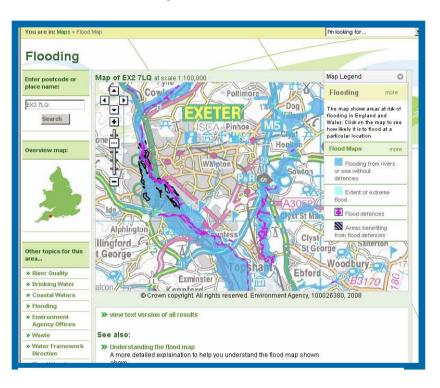
stay afloat?

Now if you are at risk

Sign up for flood warnings

Prepare a flood plan

	Joe bloggs Ltd date	d1 December 2008		
Registered ado	dress			
		Postcode		
Staff cont	act list			
	tinue on a separ	ate sheet if nece	essary	
Name	Address	Telephone/ mobile	Emergency contact	Emergency telephone and address
Joe Bloggs	92. The Drive, Hightown, HTI 15E	01234 987654 07987 654 921	Jane Bloggs	19 The Avenue, Hightown, HTI 45E
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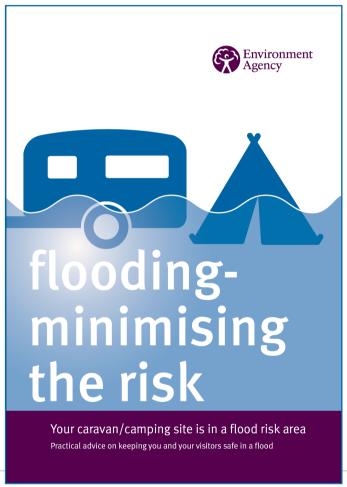


Environment Agency Actions – Would your business stay afloat?

- SMEs are difficult to engage:
 - Not located near an obvious source of water
 - Area had not been flooded before
 - Flooding seen as 'once in a lifetime' event
 - Too many other problems to worry
 - Not their responsibility



Environment Agency Actions - Caravan and Campsites









Environment Agency Actions – Caravan and Campsites

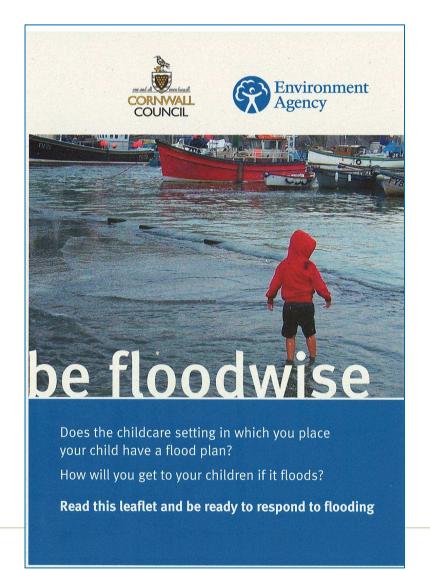






Environment Agency Actions – Parents of children

under 5





Environment Agency Actions - partnerships









Future proof: Preparing your business for a changing climate



Summary

- ◆ Flood risk is already a significant business risk in the South West
- ⇒ Flood risk is likely to increase in the future from climate change
- Many businesses are not adapted to current flood risk
- Flood risk to businesses should be managed as part of wider business continuity
- We need to join forces to improve business continuity in the South West





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