

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

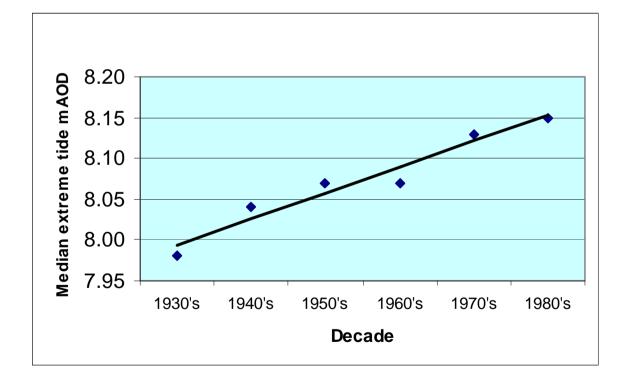
 New Areas at Flood Risk
 Longer Duration of Flood – Higher low tides
 Greater damage from Waves
 Existing Areas at Increased Flood Risk.

Main line railway to Devon and Cornwall, Dawlish

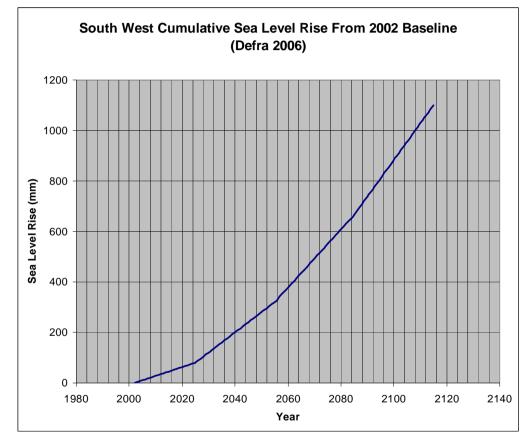




Extreme tide levels at Avonmouth

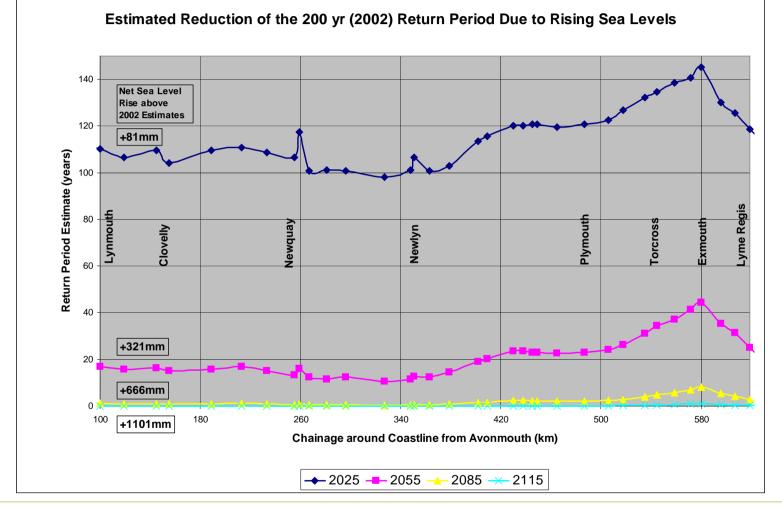






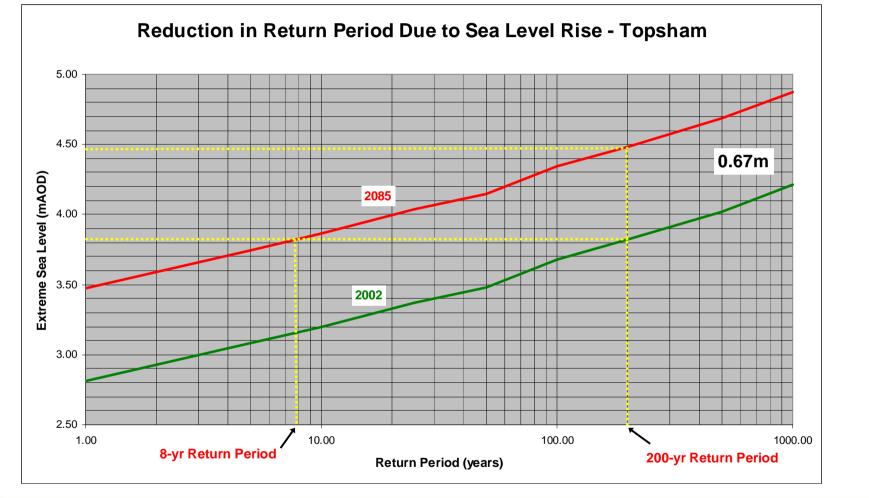
Based on UKCIP 2002







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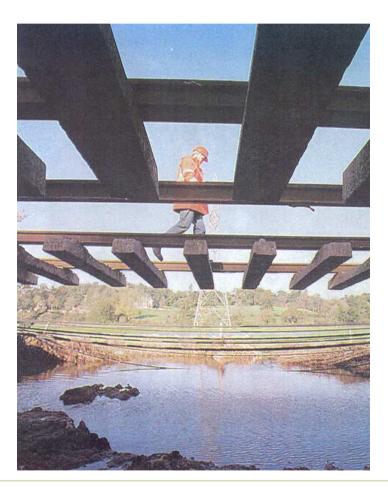




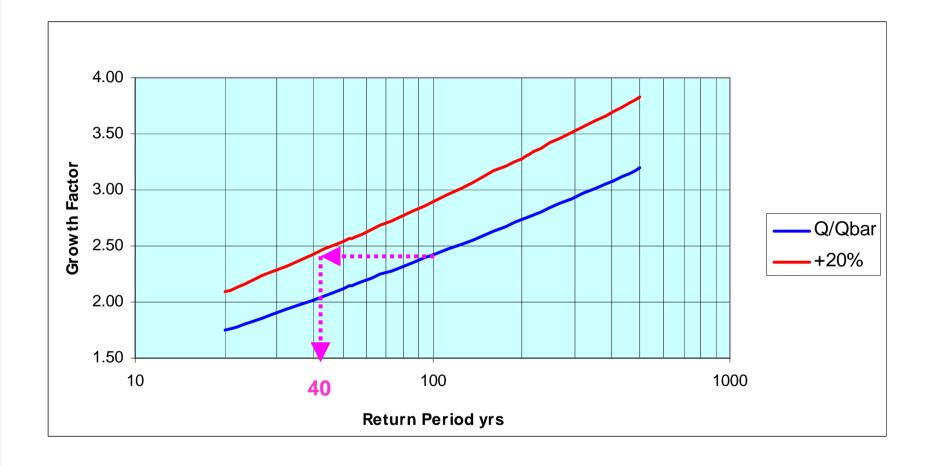
Based on UKCIP 2002

- 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)



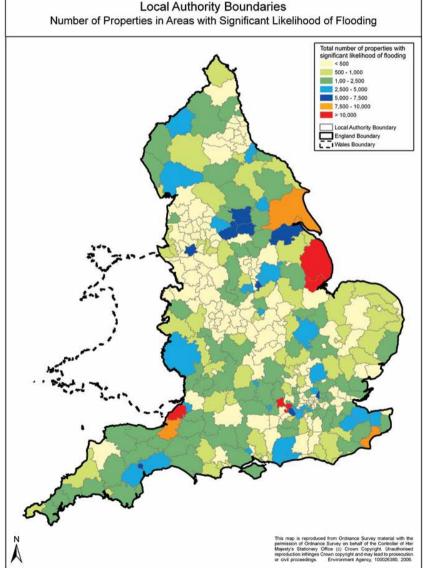




Impacts of flooding on business continuity

1 in 6 properties at risk of flooding
 Over 175,000 businesses in the floodplain in England and Wales
 Elood damage often >

Flood damage often > £50,000

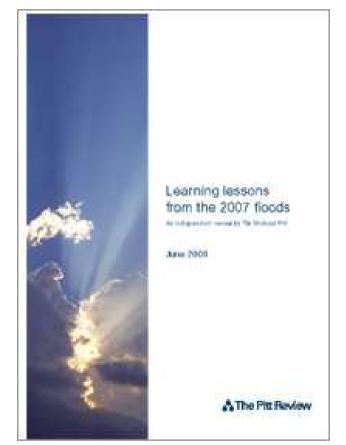




Flooding in England – a national assessment of flood risk, 2009

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





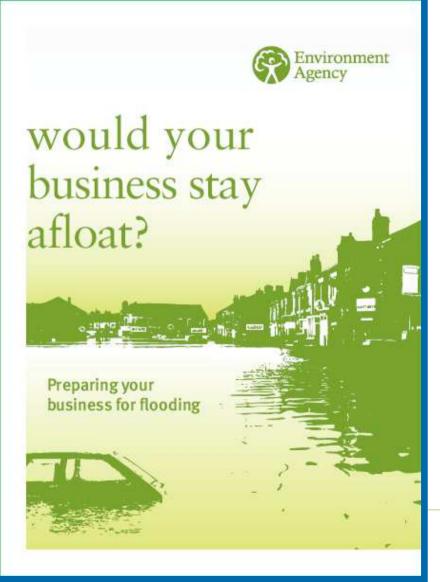


Environment Agency Actions

Environment Agency Actions – Would your business stay afloat?

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



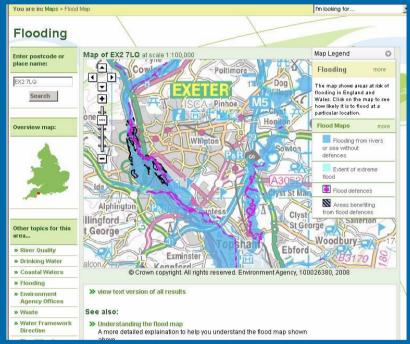


Environment Agency Actions – Would your business stay afloat?

 Know if you are at risk
 Sign up for flood warnings

Prepare a flood plan

	ress			
		Postcode		
Staff conta	act list			
please cont	inue on a separ	ate sheet if neces	sary	
Name	Address	Telephone/	Emergency	Emergency
		mobile	contact	telephone and address
Jae Bloggs	32. The Drive,	012.34 9876.54	Jane Blongs	19 The Avenue,
	Hightown, HTT ISE	07987 654 921	own coulds	Hightown, HTT 45E
Note staff	who may requ	ire assistance	in the event of a	flood.
Members of s	taff		Office location	
with special needs				
Key locati	ons			
key locali	Service cut-off		Description of location	
'	Electricity			
Service cut-of				
Service cut-of				
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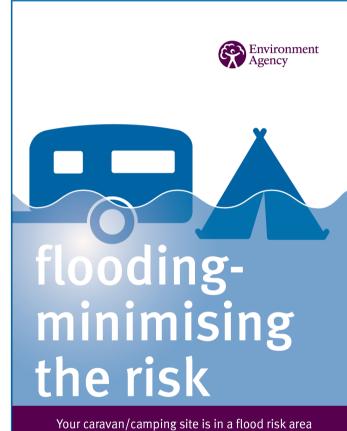


Environment Agency Actions – Would your business stay afloat?

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



Practical advice on keeping you and your visitors safe in a flood



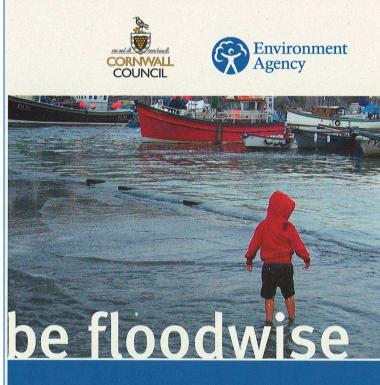




Environment Agency Actions – Caravan and Campsites



Environment Agency Actions – Parents of children under 5



Does the childcare setting in which you place your child have a flood plan?

How will you get to your children if it floods?

Read this leaflet and be ready to respond to flooding



Environment Agency Actions partnerships



South West Climate Change Impacts Partnership (SWCCIP)



Federation of Small Businesses

The UK's Leading Business Organisation





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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