



**Christmas / New Year 2013-14
Storms & Floods: Lessons Learnt**

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Format

- **Key Facts & Statistics**
- **Emergency Management**
 - Identified successes
 - Areas for improvement
 - Key recommendations
- **Flood Risk Management**
 - River & Flood Management Assets
 - Potential Flood Defence Schemes
 - Other Flood Risk Management Options

Key Facts & Statistics

- **929** properties flooded in Kent compared to **1000** properties in 2000
- **28,500** properties without power
- **50,000** sandbags provided to protect at risk communities
- **32,000** calls received by Highways & Transportation
- **6km** of Public Rights of Way in need of repair
- **Wettest** December for 79 years
- **Highest** peak flows ever recorded at Leigh Barrier

Property Flooding

County	Residential	Commercial	Total
Surrey	1,971	342	2,313
Thames Valley	635	295	930
Kent	731	198	929
Lincolnshire	662	106	768
Wiltshire	484	56	540
Cornwall (incl. the Isles of Scilly)	267	144	411
North Lincolnshire	339	70	409
Dorset	252	81	333
Norfolk	215	69	284
Devon	121	85	206
West Sussex	112	18	130
East Sussex	81	16	97

Emergency Management

The background of the slide is a photograph showing three individuals in orange high-visibility safety gear and helmets working in a wooded area. They appear to be managing a large pile of cut branches and debris, likely after a natural disaster or a controlled burn. The scene is outdoors with sunlight filtering through the trees.

Identified successes

- Unprecedented circumstances - staff, systems & procedures coped well.
- Life & property saved & protected
- Value of partnerships & pre-planning demonstrated
- Multi-agency co-ordination, when established
- Staff commitment & resourcefulness
- Voluntary sector support
- Continual improvement with each event


Emergency Management

Areas for improvement

- Lack of visibility in affected communities
- Warning & informing
- Multi-agency co-ordination - stand-up / stand-down
- Internal KCC resilience
- Provision of sandbags & other practical support
- Individual & community resilience
- Role & involvement of Central Government

Emergency Management

Key recommendations

- Review & enhance KCC plans & resilience
 - Multi-agency 'on scene' ('Bronze') liaison arrangements
 - EA to review Floodline Warnings Direct
 - Develop alternative warning & informing arrangements
 - Multi-agency protocols – stand-up / stand-down
 - Countywide policy - sandbags & other support
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- A group of people, some in high-visibility vests and some in uniforms, are working with sandbags in an outdoor setting. They are arranged in a line, filling or moving sandbags. In the background, there is a large, light-colored metal structure, possibly a container or a wall. To the left, a green bus is partially visible. The ground is wet and muddy, suggesting a flood defense site. The sky is overcast.

Flood Risk Management

Effectiveness of Flood Risk Management Assets

- EA & Southern Water to respond to queries & concerns

Potential Flood Defence Schemes

- Explore opportunities for priority flood defence schemes
- Almost all new flood defence schemes will require partnership contributions – we must consider how we best to collectively deliver this
- EA presentation to follow...

Other Flood Risk Management Options

- Flood risk fully considered before for promoting development in flood risk areas
- Promote greater property / community flood protection

