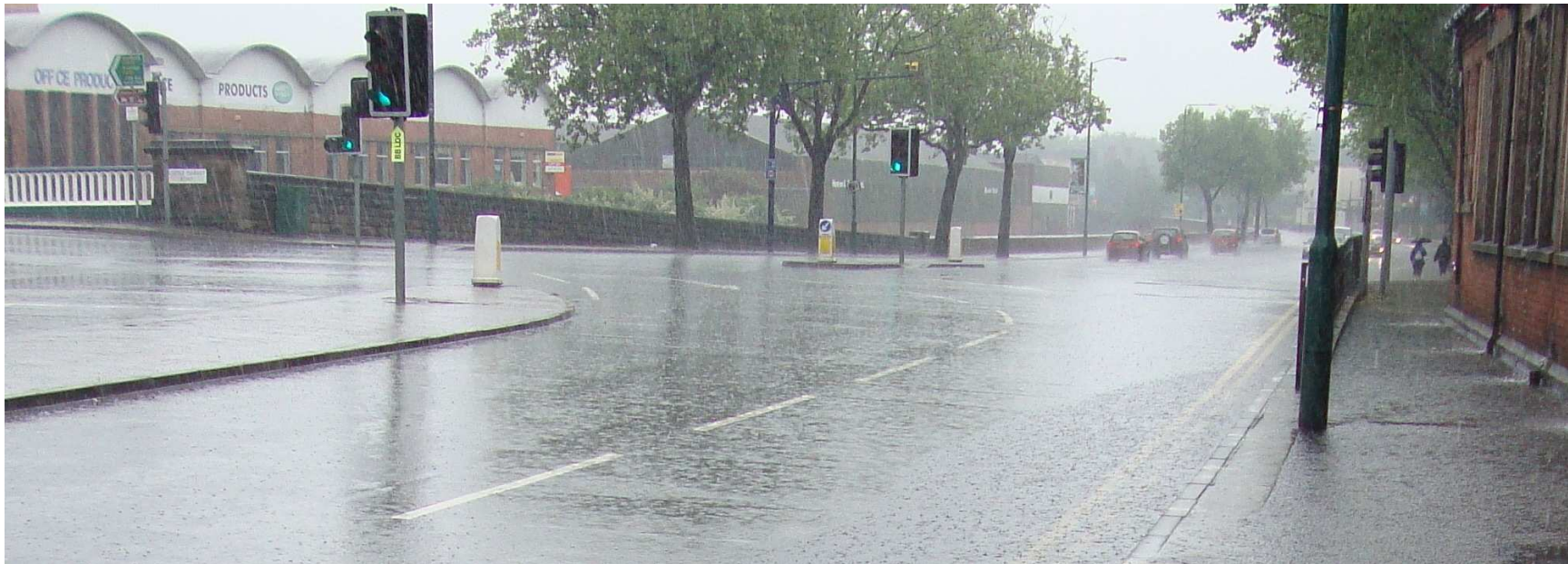


Local Flood Risk Management



Chris Capewell 3 October 2012

Flooding of Summer 2007

Pitt Review (2008)

Flood Risk Regulations (2009)

Flood and Water Management Act (2010)

**Nottingham City Council now have a new
role as Lead Local Flood Authority
(LLFA).**

Environment Agency.

Continues responsibilities for Main Rivers.

Has new strategic overview role.

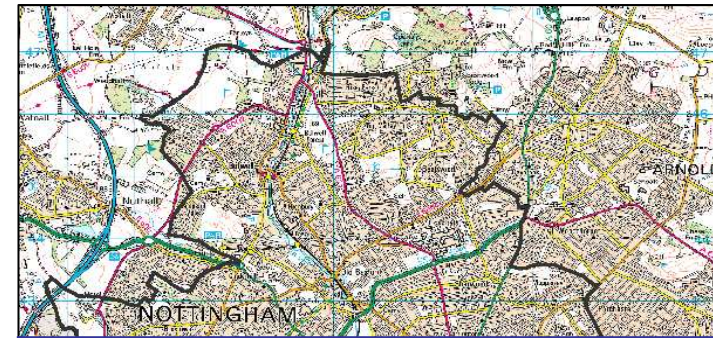
Severn Trent Water

Continues to have to responsibility for foul and surface water sewer network

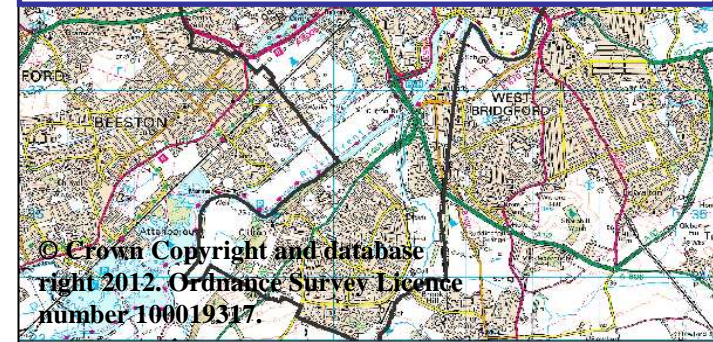
But

Large proportion of properties that flooded in 2007 were away from watercourses. Pitt recognised that threat from surface water flooding was not effectively covered. Hence County and Unitary authorities now have the role of LLFA

Why are we doing this?



Around 10,000
properties at surface
water flood risk



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Responsibilities commenced

Local Strategy	Asset Register	Investigations
Scrutiny	Sustainable Development	Partnership working
Third party assets	Consenting	RFCC (funding)



Responsibilities awaited

SAB

Reservoirs

A joined-up approach



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**Details of Flooding events on:
28th June 2012
and
6th July 2012.**



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28th June Event:

Extreme rainfall from
11.30am to 12.00 noon.

Known flooding areas
checked by NCC staff
between 11.55am and
1.20pm



28th June Event:

Mansfield Road
outside the
Grosvenor PH –
The pub did not
flood internally
(but has done in
the past).



28th June Event:

Haydn Road
junction Hucknall
Road.

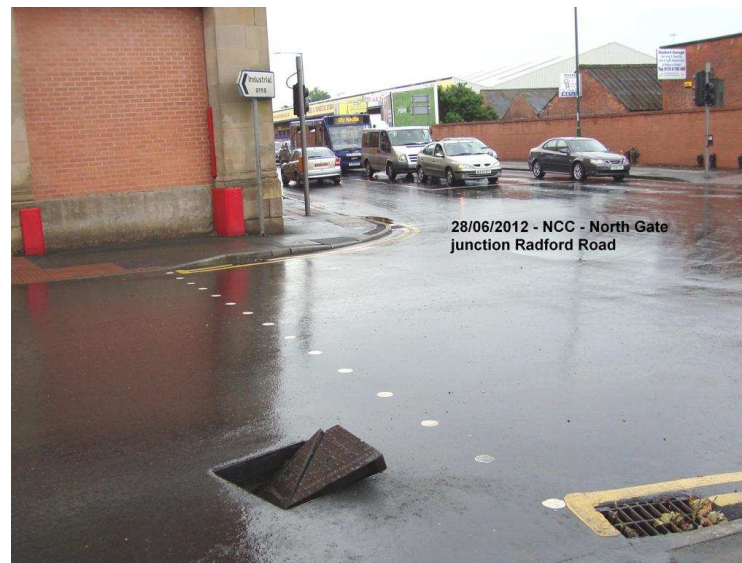
The road flooded
and needed
cleaning.

Properties did not
flood internally.



28th June Event:

Manhole covers were blown off by pressurised Severn Trent Water (STW) sewers on Nottingham Road and Northgate.



28th June Event:

Dornoch Avenue junction Winchester Street – The road and some cellars were flooded. A gully cleaning lorry attended but the flooding was caused by an overloaded STW sewer working in reverse.



6th July Event:

Extreme rainfall between 8.00am and 4.00pm.

Known flooding areas checked by NCC staff throughout the event.



6th July Event:

Watercourse grills were repeatedly cleared.



6th July Event:

Concerned citizens
(who had been flooded
before) wait and watch
the Day Brook rise.



6th July Event:

Land at the rear of Ventnor Rise flooded despite the Day Brook not overtopping at this point.



6th July Event:

Valley Road's
Bowling Green,
Playing Field and
Footway were
flooded by the Day
Brook overtopping.



6th July Event:

Wollaton - Back gardens and sheds were flooded in Nottingham City's area, due to a blocked watercourse grill in Broxtowe Borough Council's area.



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Flooding was also reported during storms on 7th, 8th and 10th July at:

Silverdale

Winchester Street

Beechdale Road

Aspley Lane

Deptford Crescent

Mulberry Gardens

Bagnall Road

Off Cinderhill Road



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What worked well

Keeping watercourse grills clear helped to avoid flooding.

Identifying Broxtowe Borough Council's blocked grill and working with them.

Although roads, gardens, outbuildings and cellars were flooded, no internal flooding was reported.

Highway Services repeatedly cleared road gullies in known hot spot areas. Street Services assisted where possible.

There was good live communication between Councillors, Emergency Planning, Highway Services and Drainage throughout the events.

Additional Gully cleaning vehicles and drivers were on standby for out of hours demand.

Good record keeping of flooding reports – 148 related reports on “Confirm” and 3 spreadsheets of data in Drainage.

What also worked well:

Porous block paving (SUDS) road construction at Lytton Close did not flood or have any standing water (Photograph taken immediately after the rain stopped).



What also worked well:

Recently installed large kerb gullies (which have horizontal and vertical openings) were less prone to blocking.



What also worked well:

Sherwood - flood wall, flood gates and additional road gullies (all installed by Nottingham City Council) successfully protected properties from flooding.



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What also worked well:

“Highway Services” responded to community demand by delivering and placing sandbags. This reassured citizens that they were not being left to fend for themselves.



What could have worked better:

Communications with Nottingham City Homes regarding sandbag provision and gully cleaning.

Moving on / Lessons learnt

There is an improved knowledge of what happens where and why.
Visits to citizens and businesses affected by the flooding are ongoing.
Updating flooding records is underway.

“De-brief” meetings have been held.

A prioritised, updated and categorised hot spot list will be provided to
“Highway Services” and “Street Services”.

An improved road gully cleaning regime has recently been implemented.

An evening gully cleaning round is being planned (for road gullies difficult to reach during the day).

Secure containers for storing flood protection equipment are being considered on a locality basis to support citizens at risk.

Thank you



PowerPoint and photographs by Paul Daniels, Drainage
Engineer, Nottingham City Council

