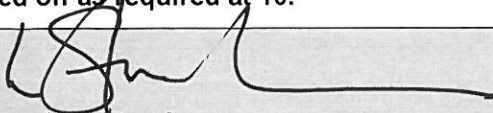
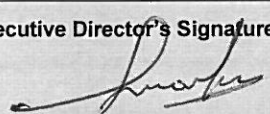


**SHEFFIELD CITY COUNCIL**  
**Non-Key Decision by an Executive Director**

1	<b>Report Author (the Senior Responsible Officer (SRO) - Head of Service or Director):</b>	Les Sturch, Director of Development Services	
2	<b>Subject Matter:</b>	Flooding Event - North West Sheffield, June 2012	
3	<b>Decision Maker (Name of Executive Director):</b>	Simon Green, Executive Director - Place	
4	<b>Portfolio:</b>	Environment Waste and Streetscene	
5	<b>Decision to be Taken:</b>	Approval to publish a report into the investigation of a flooding event that occurred in parts of North West Sheffield on 10 June 2012.	
6	<b>Reason for the Decision (to show that relevant issues have been taken into account and irrelevant issues have been disregarded):</b>	See attached flooding investigation report. To comply with a statutory duty as Lead Local Flood Authority.	
7	<b>Category of Report:</b>	OPEN	
	<b>If closed, approved by:</b>  <i>In making this exemption, I have considered the presumption in favour of disclosure of information contained in the Freedom of Information Act, but consider that the public interest in maintaining the exemption outweighs the public interest in disclosing this information. The reasons for this are attached to this report.</i>	<b>Name:</b>	
		<b>Position:</b>	
8	<b>Date added to Forward Plan.</b> The Forward Plan is maintained by Democratic Services and overseen by EMT. It is a statutory document which is published on the 15 <sup>th</sup> of every month and sets out the important decisions to be made in the following four months of the year.	Not applicable – non key decision	
9	<b>Date the Report and Background Papers were sent to Democratic Services for publication in accordance with Access to Information Rules.</b> All proposed key decisions <b>must</b> be publicised on the Council's website, 5 clear working days before the decision is made.	Not applicable – non key decision	
10	<b>Relevant departments consulted and comments incorporated/additional forms completed</b>  EIA completed  Tick <input checked="" type="checkbox"/> required	Finance	<input checked="" type="checkbox"/>
		Legal	<input checked="" type="checkbox"/>
		Commercial	<input type="checkbox"/>
		HR	<input type="checkbox"/>
		Equalities	<input checked="" type="checkbox"/>
		P&FM	<input type="checkbox"/>
		Other (Please specify)	<input type="checkbox"/>

11	The appropriate SRO certifies that all necessary approval has been obtained in respect of Financial, Legal, HR, Commercial Property and Equalities implications and that any additional forms have been completed and signed off as required at 10.	
	Signed:  Print Name: Les Sturch	Position: Director of Development Services Date: 28 Aug. 12
12	Confirmation of Executive Director Non-Key Decision <i>This is an Executive Director non-key decision, made in accordance with the Leader's Scheme of Delegation of Executive Functions.</i> I confirm my decision as set out above	

Executive Director's Signature:  Print Name: SIMON WEBB	Portfolio: PLACE Date and Time: 29 8 12
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**SHEFFIELD CITY COUNCIL****Executive Director  
Non-Key Decision**

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**Report of:** Simon Green, Executive Director, Place

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**Cabinet Portfolio:** Environment, Waste and Streetscene

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**Date:** 24 August 2012

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**Subject:** Flooding Event - North West Sheffield, June 2012

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**Author of Report:** Les Sturch, Director of Development Services

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**Summary:**

As Lead Local Flood Authority, the City Council has undertaken an investigation into a flooding event that occurred in parts of North West Sheffield on 10 June 2012.

In meeting its statutory duty, the Council is working with the relevant flood risk management authorities to ensure that they are exercising their function in response to the flood.

The City Council has a duty to publish a report of the investigation in accordance with the Flood and Water Management Act 2010.

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**Reasons for Recommendations:**

To enable the publication of a report into the investigation of a flooding event that occurred in parts of North West Sheffield on 10 June 2012.

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**Recommendations:**

Approval to publish the attached report into the investigation of a flooding event that occurred in parts of North West Sheffield on 10 June 2012 on the City Council's website and to approve the distribution to those residents affected.

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**Background Papers:**

Flooding Investigation Report.

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**Category of Report:** OPEN

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## Statutory and Council Policy Checklist

<b>Financial Implications</b>
YES Cleared by Catherine Rodgers, Principal Finance Officer
<b>Legal Implications</b>
YES Cleared by: Deborah Eaton, Senior Solicitor, Legal and Governance
<b>Equality of Opportunity Implications</b>
NO Cleared by : Ian Oldershaw, EIA Officer, Development Services
<b>Tackling Health Inequalities Implications</b>
NO
<b>Human rights Implications</b>
NO
<b>Environmental and Sustainability implications</b>
YES
<b>Economic impact</b>
YES
<b>Community safety implications</b>
YES
<b>Human resources implications</b>
NO
<b>Property implications</b>
NO
<b>Area(s) affected</b>
Environment
<b>Relevant Cabinet Portfolio Leader</b>
<b>Relevant Scrutiny Committee if decision called in</b>
Economic and Environmental Wellbeing
<b>Is the item a matter which is reserved for approval by the City Council?</b>
NO
<b>Press release</b>
NO

## **SHEFFIELD CITY COUNCIL**

### **FLOOD AND WATER MANAGEMENT ACT 2010**

#### **PRELIMINARY REPORT: INVESTIGATION OF FLOODING EVENT ON 10 JUNE 2012**

##### **1.0 Introduction**

- 1.1 Sheffield City Council has undertaken an investigation into flooding that occurred on 10 June 2012 in parts of North West Sheffield.
- 1.2 The City Council is investigating the event as Lead Local Flood Authority (LLFA) under section 19 of the Flood and Water Management Act 2010.

##### **2.0 Event Details**

- 2.1 The rainfall event occurred in the late evening of Sunday 10 June 2012 and lasted approx 3 hours, from 9pm to midnight. The event mainly affected the northwest area of Sheffield. The rainfall radar information visible on the Met Office Hazard Manager system website indicated that rainfall intensities exceeded 32mm per hour in localised areas. The City Council has asked the Environment Agency to assess the return period for the event and are awaiting confirmation.
- 2.2 The Met Office Flood Guidance Centre issued a yellow warning, at 10:50 am on 10th June, of low risk of surface water flooding due to heavy showers across Northern England between 10:30 and 23:59 on 10<sup>th</sup> June.
- 2.4 The event resulted in flooding to properties and principal roads in parts of the Middlewood and Hillsborough areas of Sheffield as indicated on the plan in Appendix A.
- 2.5 The risk management authorities having relevant flood risk management functions are:  
Sheffield City Council as highway authority.  
Yorkshire Water as sewerage undertaker.

##### **3.0 Response**

- 3.1 Sheffield City Council Street Force immediately attended the affected areas, assisted emergency services and issued sandbags. Blown manhole covers were re-instated. Sections of roads that were closed during the event were re-opened by 8 am on 11th June.
- 3.2 The City Council's Emergency Plan for Flooding on the Highway outlines that Street Force will carry out inspections of gullies and

culverts at high priority known flooding hotspots when the Met Office issues a medium risk of surface water flooding. On this occasion there was no medium flood risk warning issued for the Sheffield area, therefore hotspots were not checked prior to the event.

- 3.3 Yorkshire Water Services (and service partners) attended affected areas during and post event.

#### **4.0 Investigation**

- 4.1 Officers from the City Council's Land Drainage section and Street Force inspected the affected areas on 12 June and interviewed residents and officers to establish the cause and extent of the flooding.
- 4.2 Residents and officers reported that:  
Fast flowing water was channelled down roads in the steep sided slopes to the west of Middlewood Road causing flooding in the valley bottom.  
The flood waters dissipated within hours allowing roads to be re-opened by 8am the following morning.  
Vehicles driving through flooded areas on Middlewood Road caused a wave effect increasing flow depth and velocity.  
Residents consider that highway drainage in flooded sections of Middlewood Road requires improvement.  
A similar flooding event had occurred in the area in April 2011 resulting in flooding to property and the highway.
- 4.3 Street Force officers attending the incident reported that surface water flows were sufficient to overwhelm local drainage systems. In the days following the event, Street Force removed silt and debris washed down and commenced further investigations into defects in the highway drainage system on Leppings Lane.
- 4.4 The City Council and Yorkshire Water received reports of internal sewer flooding to properties on Wadsley Lane. Yorkshire Water reported that the sewer system was inspected on 30 June. A blockage was removed and the system proved clear.
- 4.5 Yorkshire Water have confirmed that the remainder of the sewer system in the Middlewood Road and Leppings Lane areas has been checked and proved to be operating correctly. Further checks on the sewer system at Catch Bar Lane are continuing.

#### **5.0 Flood Risk Management Recommendations**

- 5.1 The City Council considers that flooding was primarily due to high surface water flows, generated by intense rainfall, overwhelming local drainage systems and washing down silt and debris causing

blockages. Appendix A gives the assessed direction of overland flows to the flooded areas.

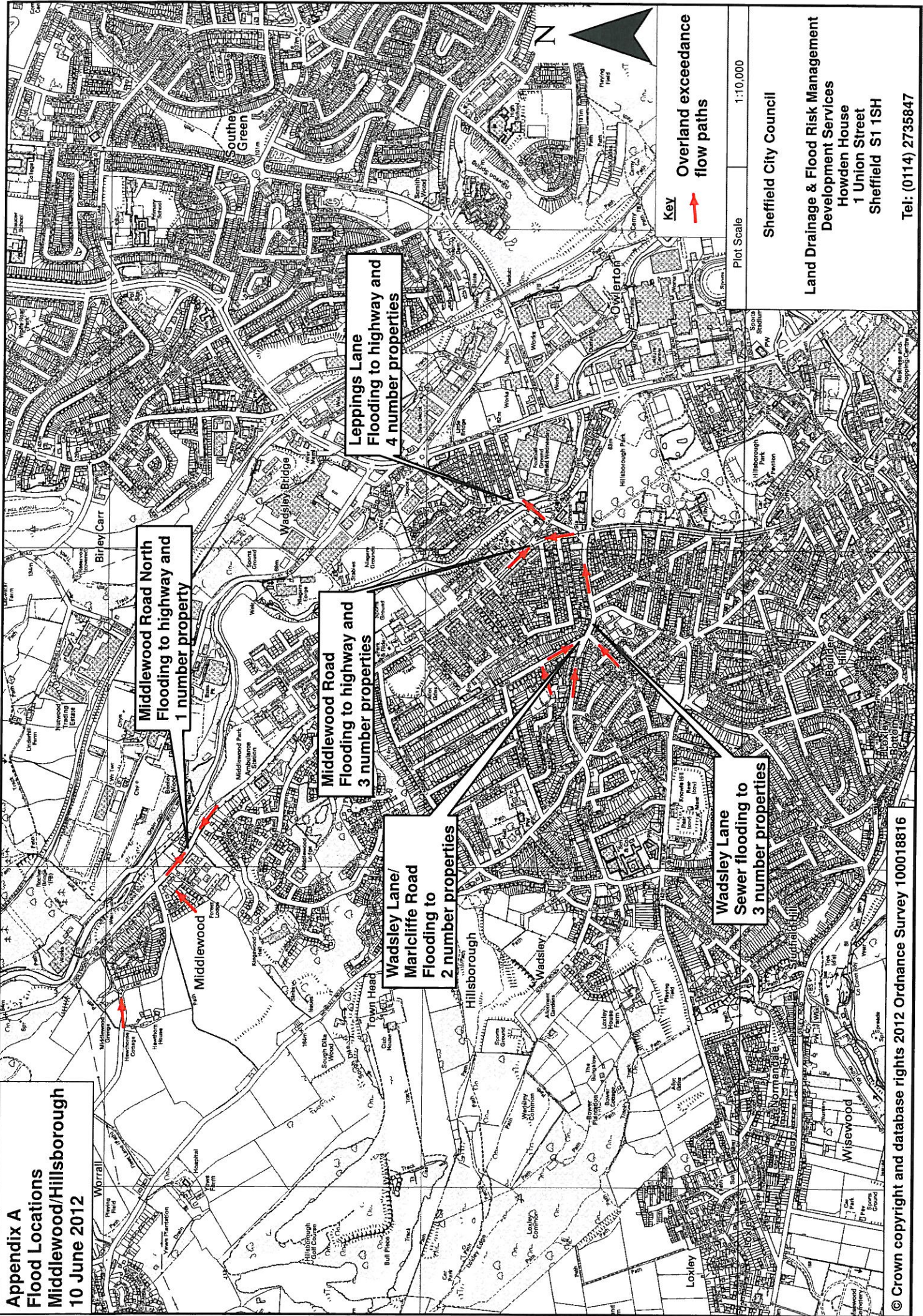
- 5.2 City Council officers have seen the anguish that the flooding caused to local residents. Whilst the Council can't prevent torrential rainfall causing flooding, it recognises that there is a risk of surface water flooding within parts of Middlewood and Hillsborough.
- 5.3 The City Council will address this risk by delivering the following measures:
- Commission a more detailed study of the surface water flood risk in the local catchment area funded from the flood authority grant.
  - Review maintenance schedules and the emergency check list for highway drainage systems in the area.
  - Complete the investigation into the Leppings Lane highway drainage system.
  - Communicate with residents in the affected areas to provide support and advice in managing the risk of flooding.
  - Obtain further investigation details from Yorkshire Water relating to the Catch Bar Lane sewer system.

Date of Report: 9 August 2012





**Appendix A  
Flood Locations  
Middlewood/Hillsborough  
10 June 2012**



**Key**  
Overland exceedance  
flow paths

Plot Scale 1:10,000  
Sheffield City Council  
Land Drainage & Flood Risk Management  
Development Services  
Howden House  
1 Union Street  
Sheffield S1 1SH  
Tel: (0114) 2735847



