

# Sheepy Magna, Main Road

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# Flood Report

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To discuss the flood report contact the Flood Risk Management Team by  
e-mail: [flooding@leics.gov.uk](mailto:flooding@leics.gov.uk) or phone 0116 305 0001

# DETAILED FLOOD INVESTIGATION

<b>Investigation Ref.:</b>	<b>2012 - 073</b>
<b>Investigation:</b>	<b>Sheepy Magna, Main Road</b>
<b>Date of Flooding:</b>	<b>7<sup>th</sup> July 2012</b>
<b>Revision</b>	<b>Tuesday, 21 July 2015</b>

Officer:	R.JONES	David Smith Associates	22/04/14
Checked:	E.KNIGHT	Senior Technician	08/06/15
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County Hall,  
Glenfield,  
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LE3 8RJ.**



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# **1 EXECUTIVE SUMMARY**

## **1.1 STATUTORY CONTEXT**

Section 19 of the Flood and Water Management Act 2010 (FWMA) states that, on becoming aware of a flood which meets certain predetermined criteria, the Lead Local Flood Authority (LLFA) must undertake a formal flood investigation in order to determine the relevant flood risk management authorities involved and which flood risk management actions have been (or should be) taken to mitigate future flood risk. Where an authority carries out an investigation, it must publish the results. This Flood Investigation Report (FIR) has been completed by David Smith Associates with Leicestershire County Council.

It was deemed necessary to complete a formal investigation into the flood incidents on Main Road, Sheepy Magna on 7th July 2012. Internal flooding of several properties was reported to the LLFA and the source of the flooding was reported to be from multiple sources.

## **1.2 CAUSE OF FLOODING**

The flooding that occurred on Main Road, Sheep Magna is a result of the rainfall that fell over a short period of time. The inability of existing drainage systems and watercourses to collect and carry rainwater effectively meant excess surface water flowed over ground following natural contours ponding at the low points in the area.

## **1.3 MAIN FINDINGS**

Existing drainage systems and watercourses were unable to cope with the volume of water, causing water levels to rise and flow to vulnerable areas. The drainage systems were unable to cope and outfall efficiently to the River Sence; this together with the rising river levels caused flooding of areas of highway and properties by both surface water and the foul system which had been infiltrated with surface water.

The very flat topography of the village means that high water levels in various watercourses can prevent areas of land and drainage systems being able to drain down into them, surface water run-off water flowed onto the public highway and vice versa, the River Sence increased in level affecting the ability of existing drainage systems to discharge, the river also flooded a number of low lying areas of land.



## **2 INTRODUCTION**

### **2.1 LEAD LOCAL FLOOD AUTHORITY INVESTIGATION**

Section 19 of the FWMA states:

- (1) On becoming aware of a flood in its area, a lead local flood authority must, to the extent that it considers necessary or appropriate, investigate:
  - (a) which risk management authorities have relevant flood risk management functions, and
  - (b) whether each of those risk management authorities has exercised, or is proposing to exercise, those functions in response to the flood.
- (2) Where an authority carries out an investigation under subsection (1), it must -
  - (a) publish the results of its investigation, and
  - (b) notify any relevant risk management authorities

### **2.2 FLOOD INVESTIGATION CRITERIA**

A formal investigation will be carried out if one or more of the following occurs after a flooding event:

- Loss of life or serious injury
- Critical infrastructure flooded or nearly flooded from unknown or multiple sources
- Internal property flooding from unknown or multiple sources

In the following circumstances, discretion may be used to investigate a flooding incident:

- A number of properties have been flooded or nearly flooded
- Other infrastructure flooded
- Repeated instances
- Investigation requested
- Risk to health (foul water)
- Environmental or ecologically important site affected
- Depth/area/velocity of flooding a cause for concern

### **2.3 RISK MANAGEMENT AUTHORITIES**

The following risk management authorities (RMAs) were identified as relevant to the flooding:

- Leicestershire County Council – Lead Local Flood Authority
- Leicestershire County Council – Local Highway Authority
- Environment Agency – Staffordshire, Warwickshire & West Midlands
- Hinckley and Bosworth Borough Council
- Severn Trent Water



## 2.4 NON-RISK MANAGEMENT AUTHORITIES

The following agencies are not prescribed as risk management authorities. However, they have a significant involvement in flood risk management:

- Leicester, Leicestershire and Rutland Local Resilience Forum

## 2.5 FLOODING INCIDENT

Two flood alerts were issued in July, following the heavy rain on the weekend of the 7th the surface water exceeded the capacity of drainage systems and watercourses, causing flooding events to occur on Main Road.

It was deemed necessary to complete a formal investigation into the flood incidents on Main Road Sheepy Magna on 7th July 2012, internal flooding of several properties was reported to the LLFA and the source of the flooding was reported to be from multiple sources. It is also believed fluvial flows infiltrated into the public sewer manholes located within the flood plain which further aggravated flooding.





### **3 SITE BACKGROUND**

#### **3.1 LOCATION**

Sheepy Magna is situated in the southwest of Leicestershire approximately 2 miles northeast of Atherstone and 7 miles northwest of Hinckley, in the borough of Hinckley and Bosworth (appendix A Location Plan). The village is mainly situated on the western bank of the River Sence which flows in a southerly direction.

The River Sence is classified as a 'main river' which means that the Environment Agency has permissive powers to undertake work to reduce flood risk.

#### **3.2 DRAINAGE SYSTEM**

There are a number of ordinary watercourses which flow predominantly in a south easterly direction into The River Sence. The area is served only by a foul public sewer system, this system is maintained by Severn Trent Water Ltd as the relevant water and sewerage authority. The responsibility for lateral connections onto the main sewer varies and can either be the responsibility of the adjacent landowner or water company (Severn Trent Water).

The highway drainage network within the immediate area consists of a number of highway gullies which either connect via lateral connections into a dedicated highway system or discharge directly into local watercourses.

Storm water from local properties is thought to drain via soak-away or via individual systems to local watercourses.



## 4 **FLOODING INCIDENT**

### 4.1 **PREVIOUS FLOODING INCIDENTS**

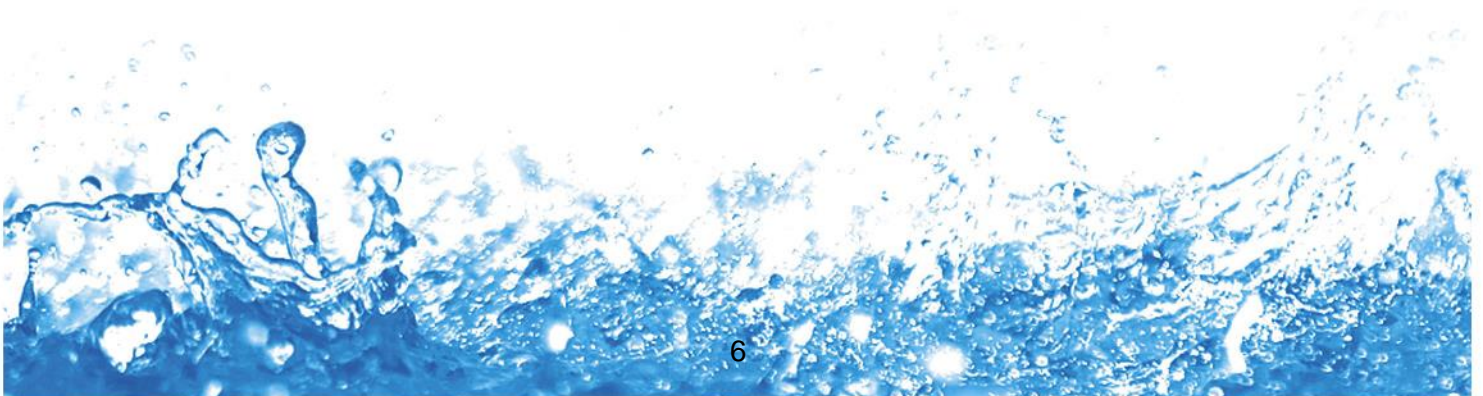
Sheepy Magna is subject to flooding the following table lists flooding incidents that have been recorded, detailed impacts are not known for all of the flood incident dates:

Year	Impact
27/08/1912	Unknown – photos provided by local residence
1924	Unknown - Anecdotal evidence
1931	Unknown - Anecdotal evidence
1950's	Unknown - Anecdotal evidence
21/07/07	Unknown – photos provided by local residence
2008	Unknown - Anecdotal evidence
07/07/12 25/11/12	Over ten residential properties, gardens and the majority of Main Street was flooded.

### 4.2 **FLOOD INCIDENT**

Flooding occurred on Main Road along the majority of its length. On the 7th July 2012 there was a short duration of intense rainfall that followed a number of days and weeks of significant rain. It is believed that the ground was saturated, green field runoff rates were high, with high water levels in both main river and ordinary watercourses were experienced. Multiple residential properties suffered internal flooding, this was made worse by vehicles travelling through the road closure on Main Road creating bow waves and flooding further properties. The County Council received accounts of surface water running from the highway and flowing into properties.

The design capacity of the 'public sewer' and highway gullies were exceeded due to the additional surface water, in addition the high levels in existing watercourses effectively stopped any drainage systems from discharging at their normal rates, appendix B details the approximate locations and flow paths of surface water.

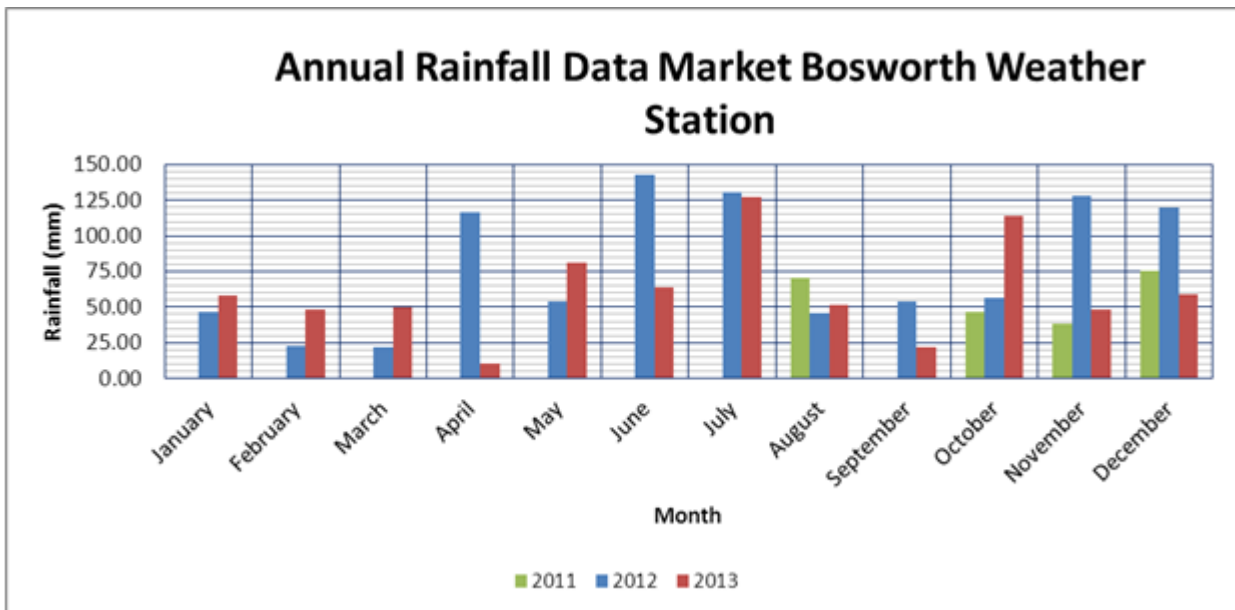




### 4.3 RAINFALL ANALYSIS

The Hydrological Summary produced by the Centre for Ecology and Hydrology for July 2012 stated; 'July started wet as a result of the continuing predominance of low pressure, with a series of fronts and troughs bringing exceptionally wet conditions to much of the UK through the first half of the month. Intense rainfalls, were common'.

An intense rainfall event was experienced in the locality of Sheepy Magna on 7th July 2012. Approximately 24mm of rainfall is understood to have fallen on this date, with significant rainfall on the preceding two days (Source: Bosworth Battlefield Centre Weather Station), the following graph depicts the rainfall data for a nearby weather station near Market Bosworth;



## **5. SUMMARY OF IMPACTS AND FINDINGS**

### **5.1 IMPACTS**

People and property were affected by the flooding as a result of the significant rainfall. The County Council spoke to local businesses and affected persons to establish and quantify the physical effects of the flooding incident, the Environment Agency sent out a questionnaire to further understand the flooding incident; results from this indicate 20 of the 30 respondents flooded either internally or externally.

Within the village of Sheepy Magna there are three main areas of flooding including flooding to residential dwellings and businesses. Flooding also occurred at various locations on Main Road which runs from the southwest to northeast through the village including the area around the junction with Meadow Close, Parkview and near the junction with Ratcliffe Lane.

### **5.2 LOCAL DRAINAGE SYSTEM**

Sub-catchments exist on the west side of Main Road that flow under the road via a system of pipework which carries surface water from the rear of properties on Main Road, to the open watercourse south of Main Road.

The south of the village near to Wheelwright Place a sub-catchment drains agricultural land, flowing into a piped system through a residential area and under Main Road. East of Main Road this continues as an open watercourse/ditch to the eventual outfall at the River Sence 450m to the southeast.

Further to the southwest, on the outskirts of the village, another sub-catchment drains agricultural land around Newhall Farm and Frog Hall Farm. This flows into an open watercourse, culverted beneath Main Road. At Main Road it is met with the piped run-off from a smaller catchment area east of Newhall Farm.

### **5.3 THE RIVER SENCE**

The River Sence flows north to south on the east side of Sheepy Magna. At the central area of Sheepy Magna, near to Church Lane, the River Sence flows directly adjacent to Main Road. The Environment Agency has plans showing the flood zones of the River Sence, demonstrating the areas which are likely to flood;

Sections of Main Street and the land immediately east are located within Flood Zone 3 of the Environment Agency Main River flood map. The Environment Agency defines Zone 3 as 'land assessed as having a 1 in 100 or greater annual probability of river flooding,' on the 7<sup>th</sup> July 2012 the depth of water in the River Sence increased until water flowed over the banks, across open fields and onto the Main Road.

### **5.4 HIGHWAY DRAINS**

Main Road is very flat along its length with several low points. The land between Main Road and the River Sence is also very flat. The highway drains within Sheepy Magna discharge into a dedicated highway system and the ordinary watercourses in the area, these eventually discharge into the main river. The highway gullies struggled to cope with the increased levels of water. The flood water in Main Road was unable to drain down to the River Sence due to the high river levels, effectively stopping the drainage systems from working.



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A number of residential properties were affected by the bow wave of vehicles driving through the flood water on Main Road.

## 5.5 PUBLIC SEWER

A public foul water sewerage system serves the village and flows to a pumping station on the east side of Main Road near to Park View, from this point effluent is pumped via a rising main south to Atherstone. During the flooding event surface water is known to have infiltrated the foul system located within Flood Zone 3 leading the system backing up and affecting a number of properties (Appendix B)





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## 5.6 EXTENT OF FLOODING

The extent of the flooding is broadly reflective of the low lying areas indicated by the Flood Map for Surface Water (appendix C).

The Environment Agency's Flood Map for Surface Water shows areas where surface water would be expected to flow or pond.



## **6 RESPONSIBILITIES**

### **6.1 LEAD LOCAL FLOOD AUTHORITY (LCC)**

As stated within the introduction section, the County Council as LLFA has a responsibility to investigate flood incidents under Section 19 of the FWMA.

The LLFA also has a responsibility to maintain a register of assets which have a significant effect on flooding from surface runoff, groundwater or ordinary watercourse, as detailed within Section 21 of the FWMA. The register must contain a record about each structure or feature, including the ownership and state of repair.

Whilst the County Council can suggest possible causes of flooding in Leicestershire and make recommendations to ensure flood risk is mitigated as far as possible, the FWMA does not provide the County Council with the mandate or funding to tackle all identified causes of flooding.

The County Council also has powers to serve notice on individuals, requiring them to maintain the flow of ordinary watercourses in accordance with Section 25 of the Land Drainage Act 1991 (LDA)

### **6.2 HINCKLEY AND BOSWORTH BOROUGH COUNCIL (HBBC)**

HBBC has powers under Section 14 of the LDA to undertake flood risk management works on ordinary watercourses (non-Main River), where deemed necessary. Under Section 20 of the LDA, HBBC has the powers to (by agreement of any person and at their expense) undertake drainage work which that person is entitled to carry out and maintain.

### **6.3 ENVIRONMENT AGENCY**

The Environment Agency has a strategic overview responsibility under the FWMA as well as permissive powers to carry out maintenance work on Main Rivers under Section 165 of the Water Resources Act (WRA). Main River means all watercourses shown on the statutory Main River maps held by the Environment Agency and the Department of Environment, Food and Rural Affairs, and can include any structure or appliance for controlling or regulating the flow of water into, in or out of the channel.

The Environment Agency has permissive powers to carry out works of maintenance and improvement on these rivers. These powers can be used to undertake works to reduce flood risk where landowners fail to undertake their responsibilities under the WRA.

The Environment Agency can undertake enforcement action where third party asset owners fail to maintain their property/land in appropriate condition. They may consider undertaking maintenance or repair of third party assets in order to safeguard the public interest and where other options are not appropriate.

### **6.4 HIGHWAY AUTHORITY (LCC)**

LCC, in its role as local highway authority, has a duty to maintain the highway under Section 41 of the Highway Act 1980. Section 100 of the Highways Act 1980 also gives the power to prevent water running on to a highway. Further information on the Highways Act 1980 is available via the link identified within the Useful Links section of this report.



## **6.5 WATER COMPANY (SEVERN TRENT WATER)**

Water and sewerage companies are responsible for managing the risks of flooding from surface water, foul water or combined sewer systems. Public sewers are designed to protect properties from the risk of flooding in normal wet weather conditions. However, in extreme weather conditions, there is a risk that the sewer systems can become overwhelmed and result in sewer flooding.

Since October 2011, under the 'Private Sewer Transfer', Water Companies are required to adopt piped systems on private land that serve more than one curtilage and were connected to a public sewer on or prior to 1<sup>st</sup> July 2011. Statutory sewerage undertakers have a duty under Section 94 of the Water Industry Act 1991 to provide sewers for the drainage of buildings and associated paved areas within property boundaries.

Water companies are responsible for public sewers and lateral drains. A public sewer is a conduit, normally a pipe that is vested in a water and sewerage company (or predecessor thereof) that drains two or more properties and conveys foul, surface water or combined sewage from one point to another point and discharges via a positive outfall. There is no automatic right of connection for other sources of drainage to the public sewer network. Connection is therefore discretionary, following an application to connect.

## **6.6 RIPARIAN LANDOWNERS OF WATERCOURSES**

As detailed within the EA document 'Living on the Edge', riparian landowners have certain rights and responsibilities, including the following:

- they must maintain the bed and banks of their watercourse, and also the trees and shrubs growing on the banks;
- they must clear any debris, even if it did not originate from their land. This debris may be natural or man-made;
- they must keep any structures that they own clear of debris. These structures include culverts, trash screens, weirs and mill gates.

The following link provides further information:

<http://www.environment-agency.gov.uk/homeandleisure/floods/31626.aspx>.

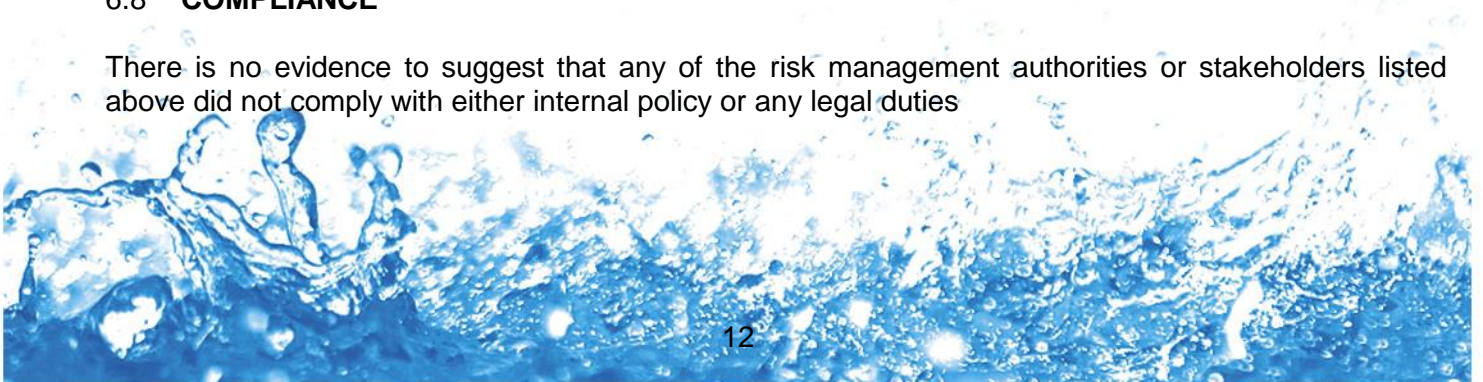
## **6.7 RESIDENTS, TENNANTS AND BUSINESSES**

Sheepy Magna residents, tenants and businesses who are aware that they are at risk of flooding should take action to ensure that they and their properties are protected.

Community resilience is important in providing information and support to each other if flooding is anticipated. Actions taken can include signing up to Flood Warning Direct (if available), nominating a community flood warden, producing a community flood plan implementing property level protection and moving valuable items to higher ground, to more permanent measures such as installing floodgates, raising electrical sockets and fitting non-return valves on pipes. LCC and the EA can provide advice on these matters and more information can be found at:

## **6.8 COMPLIANCE**

There is no evidence to suggest that any of the risk management authorities or stakeholders listed above did not comply with either internal policy or any legal duties





## **7 CONCLUSIONS**

The flooding that occurred in Sheepy Magna is a result of the intense rainfall that fell over a short period of time. Existing drainage systems and watercourses were unable to cope with the deluge of water, causing water levels to rise and flow to vulnerable areas.

The position of residential property and Main Road within the catchment means that there is a reliance on artificial means of collecting and carrying surface water from the catchment to discharge to the River. The very flat topography of the village means that high water levels in watercourses can prevent areas of land and drainage systems being able to drain down into them, leading to flooding of private property and the public highway.



## **RECOMMENDATIONS**

### **7.1 LEAD LOCAL FLOOD AUTHORITY (LCC)**

The LLFA will continue to monitor the locality and revisit when required, and continue to coordinate the management of flood risk and the interaction of RMAs across Leicestershire.

LLFA to consider any additional support in respect of design and implementation of maintenance and improvement works, subject to resource implications.

### **7.2 HINCKLEY AND BOSWORTH BOROUGH COUNCIL**

HBBC to continue to consult with the Environment Agency and LLFA as required in respect of planning applications for new developments to reduce flood risk.

### **7.3 ENVIRONMENT AGENCY**

The EA should provide advice to affected property owners on managing flood risk from Main Rivers, consider extended inspection and modelling of the River Sense and the contributing catchment. The long linear nature of the village inhibits a practical defence solution which would provide benefit to all the properties affected. However the EA should consider individual property flood defences if feasible following a study of the village.

### **7.4 LOCAL HIGHWAY AUTHORITY (LCC)**

The County Council should continue to undertake regular drainage cleansing throughout the town centre and respond to any reports of blockages. Following the flooding incident the Highway Authority evaluated their system and made various improvements to the existing highway system.

### **7.5 SEVERN TRENT WATER**

Following the flood incident, Severn Trent Water both checked its sewer records and completed on-site surveys to further understand the system.

STW should assess any sources of water entering the public sewerage system, and consider options for improvement of the sewerage system in low lying areas to reduce the risk of foul water sewage overtopping manhole cover levels when surrounding water levels rise.

Assess the capacity of their assets and identify any areas of insufficient capacity. Where this leads to flood risk to properties improvement work should be considered.

Following the flooding incident Severn Trent Water evaluated their system and made various improvements to the existing system.

### **7.6 LOCAL RESILIENCE FORUM**

The LRF to continue to support the community in the training and support of community based Flood Wardens.



## **8 USEFUL CONTACTS**

### **8.1 ENVIRONMENT AGENCY**

General enquiries 03708 506 506 (Mon-Fri, 8am – 6pm)  
Incident hotline 0800 80 70 60 (free phone, 24hours)

### **8.2 SEVERN TRENT WATER**

Emergencies 0800 783 4444 (24hours)

### **8.3 LEICESTERSHIRE COUNTY COUNCIL**

Highways 0116 305 0001 (24hours)

### **8.4 LEICESTERSHIRE COUNTY COUNCIL**

Lead local flood authority 0116 305 0001 (Mon-Fri, 9am – 5pm)  
Email: [flooding@leics.gov.uk](mailto:flooding@leics.gov.uk)

### **8.5 HINCKLEY AND BOSWORTH BOROUGH COUNCIL**

Customer Services 01455 238141  
Email: [Customer.Services@hinckley-bosworth.gov.uk](mailto:Customer.Services@hinckley-bosworth.gov.uk)

### **8.6 USEFUL LINKS**

**OFWAT Guidance on sewers**

[http://www.ofwat.gov.uk/consumerissues/rightsresponsibilities/sewers/prs\\_web\\_sewertransfer](http://www.ofwat.gov.uk/consumerissues/rightsresponsibilities/sewers/prs_web_sewertransfer)

**Environment Agency:**

<http://www.environment-agency.gov.uk/homeandleisure/>

**Hinckley and Bosworth Borough Council Website:**

<http://www.hinckley-bosworth.gov.uk/>

**Leicestershire County Council Flood Risk Team:**

<http://www.leics.gov.uk/flooding>

**Local Resilience Forum:**

<http://www.localresilienceforum.org.uk/>

**Land Drainage Act 1991:**

<http://www.legislation.gov.uk/ukpga/1991/59/contents>

**Water Resources Act 1991:**

<http://www.legislation.gov.uk/ukpga/1991/57/contents>

**Highways Act 1980:**

<http://www.legislation.gov.uk/ukpga/1980/66>



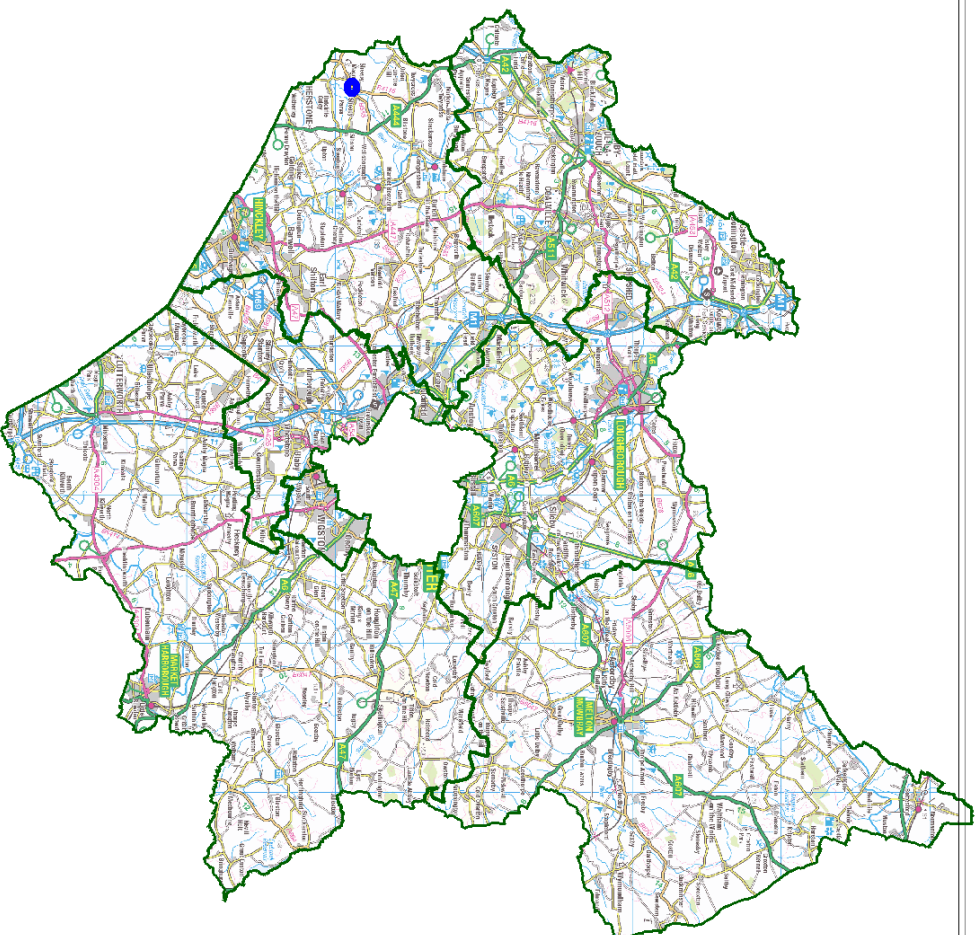


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# **APPENDIX A**

## **SITE LOCATION PLAN**





**NOTES:**

1. The Blue Circle indicates the approximate location of the flooding



ENVIRONMENT AND TRANSPORT  
DEPARTMENT

ON BEHALF OF THE  
DIRECTOR

LEICESTERSHIRE COUNTY COUNCIL  
ENVIRONMENT AND TRANSPORT

SERVICE:  
LEAD LOCAL FLOOD AUTHORITY

TITLE:  
Location Plan,  
Sheepy Magna

LOCATION:  
SHEEPY MAGNA

DRAWING NUMBER

2012-Inv-073-LP SCALE  
Not To Scale

CREATED BY: Chris Bramley DATE: 23-12-2013

APPROVED BY: Daniel Rawle SIZE: A4

E-MAIL: [flooding@leics.gov.uk](mailto:flooding@leics.gov.uk)

PHONE: 0116 305 0001 FAX:

COUNTY HALL • GLENFIELD • LEICESTER • LE3 8RJ

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This is not a definitive record, but is based on the best available information and is given without warranty. If roadside ditches are present, the normal presumption is that these do not generally form part of the publicly maintainable highway. This plan has been produced in relation to the specified area of enquiry and should not be used for any other purpose, since its accuracy can not be guaranteed.

This map gives an indication of the broad areas likely to be at risk of surface water flooding. It is not suitable for use at an individual property scale due to the method used.

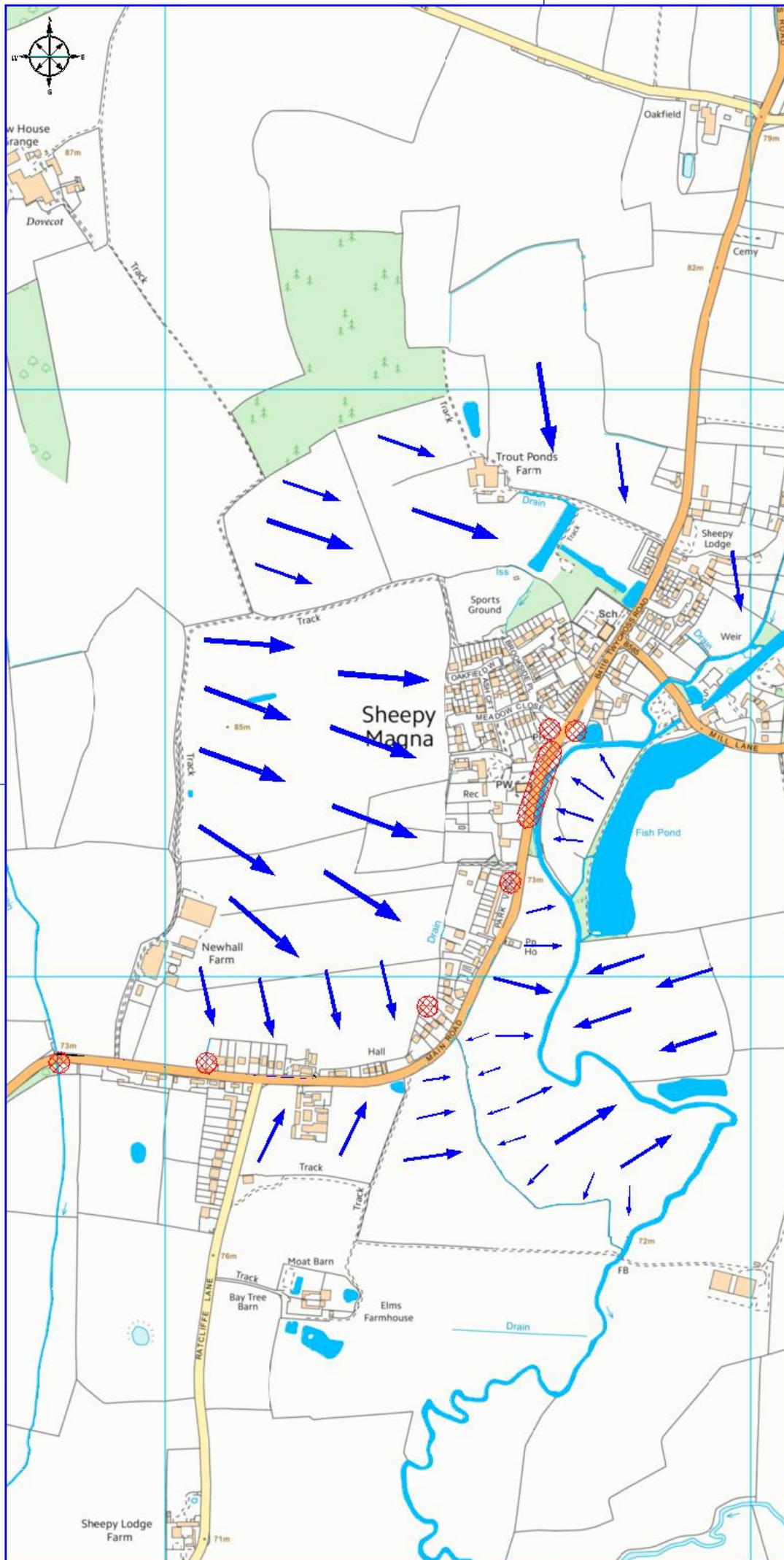
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# **APPENDIX B**

## **FLOOD INCIDENT PLAN**







- NOTES:
- KEY:
- WATERCOURSE
  - DIRECTION OF SURFACE WATER
  - FLOODING INCIDENT

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PREP BY	DATE	SIGNED BY	REV
PHIL CROSSLAND	21/04/15		



ENVIRONMENT AND  
TRANSPORT DEPARTMENT

PHIL CROSSLAND  
DIRECTOR

## FLOOD RISK MANGEMENT

TITLE:  
**SHEEPY MAGNA  
FLOOD INCIDENT PLAN**

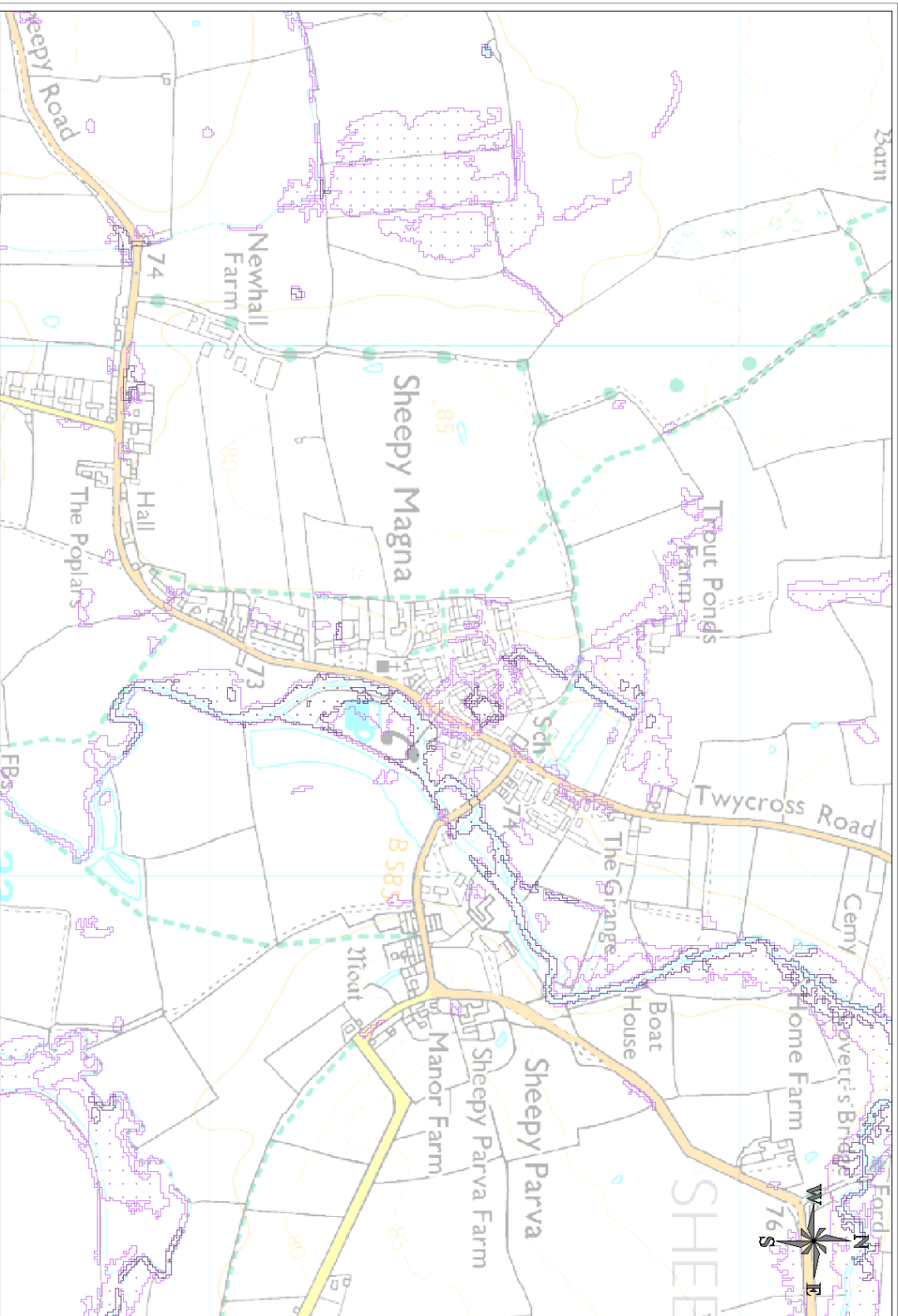
DRAWING NUMBER	SCALE
<b>SHEEPY-001A</b>	<b>NTS</b>
PREPARED BY: A RIGG	DATE: 19/06/15
CHECKED BY: J RIGG	SIZE: A3
APPROVED BY: J RIGG	CORR FILE:
AUTOCAD PROJECTOR:	
AUTOCAD FILENAME:	SHEEPY-001 FLOOD INCIDENT
COUNTY HALL * GLENFIELD * LEICESTER * LE5 0RJ	
Tel: 0116 3050001	
E Mail address: flood.risk@leics.gov.uk	
www: www.leics.gov.uk/flooding	

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# **APPENDIX C**

## **UPDATED FLOOD MAP FOR SURFACE WATER (FMfSW)**





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 LA100019271. Published 2013.

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This map gives an indication of the broad areas likely to be at risk of surface water flooding. It is not suitable for use at an individual property scale due to the method used.

## Key:

1 in 30 Year Flood Map

Surface Water

Surface Water Deep

## NOTES:

1. N/A



ENVIRONMENT AND TRANSPORT  
DEPARTMENT

ON BEHALF OF THE  
DIRECTOR

LEICESTERSHIRE COUNTY COUNCIL  
ENVIRONMENT AND TRANSPORT

SERVICE:  
LEAD LOCAL FLOOD AUTHORITY

TITLE:  
1 in 30 Year Surface Water Flood Map  
Sheepy Magna

LOCATION:

SHEEPY MAGNA

DRAWING NUMBER

2012-Inv-073-SW30

SCALE

Not To Scale

CREATED BY: Chris Bramley

DATE: 24-12-2013

APPROVED BY: Daniel Rawle

SIZE: A4

E-MAIL: [flooding@leics.gov.uk](mailto:flooding@leics.gov.uk)

PHONE: 0116 305 0001

FAX:

COUNTY HALL • GLENFIELD • LEICESTER • LE3 8RU



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# **APPENDIX D**

## **QUESTIONNAIRE**



### Flooding Questionnaire

There are no right or wrong answers to the following questions. Please respond to all the questions in accordance to your own experience in this property. If you do not know or do not want to answer any of the questions leave them blank and move on to the next question.

Under NO circumstances will your personal details be given to any other organisation than those listed above

Name: .....

Address: .....

Postcode: .....

Telephone: ..... E-mail: .....

1. When was the property built? Please provide the approximate year in the box below.

2. How many years have you lived/worked here? Please tick one box.

Less than 1

☐

1-5

☐

6-10

☐

11-15

☐

16 or over

☐

3. What is the main use of this property? Please tick one box.

Residential	<input type="checkbox"/>
Restaurant / Pub / Food Outlet-Preparation-Storage	<input type="checkbox"/>
Nursery / School / College / University	<input type="checkbox"/>
Shop / Factory / Office Building	<input type="checkbox"/>
Health Centre / Hospital / Elderly Accommodation	<input type="checkbox"/>

Other. Please specify.

4. Have you experienced external or internal flooding to your property? Please tick one box.

Yes

☐

No

☐

If you answered "No", please move on to Question 8.

5. Please list the date & time of the flooding to your property and tick the relevant boxes.

DATE and TIME of Flooding?	INTERNAL Flooded Area (tick all that apply)							EXTERNAL Flooded Area (tick all that apply)							Where did the water come from? (tick all that apply)								
Please list actual date of flooding and the time when flooding started to affect your property. If you cannot recall exact dates/times please estimate e.g. first week in June, between 2 and 4pm.	Internal Room Ground Floor	Internal Room Upper Floor	Conservatory / Porch / Veranda	Attached Garage with adjoining door to property	Under Floor / through airbricks	Basement used as Living Accommodation	Cellar used for Storage or Utility Purposes	Max. Depth of water above threshold or floor (cm)	Detached Garage/ Other Out-building	Drive / Parking Area	Front Garden / Landscaped Area	Rear Garden / Landscaped Area	Road / Public Footpath	Other. Please specify .....	Max. Depth of water above ground (cm)	River, Stream or Beck	Sea Water	Water running off the land	Water Overflowing from Drains and Gullies	Overflowing Foul Sewers, Cess Pits or Septic Tanks	Ground Water	Other. Please specify .....	Don't Know
	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		70		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		
E.g: 01/06/2012, 13:30	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		70		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		

6. How often does flooding typically occur? Please state if internally or externally.

P.T.O.

7. What impact did the flooding have? Please tick as many as appropriate.

INTERNAL Flooding		EXTERNAL Flooding	
No visible damage	<input type="checkbox"/>	Flooding has minimal effect	<input type="checkbox"/>
Repairable, no permanent damage	<input type="checkbox"/>	Depth / area of flooding significantly affects normal use	<input type="checkbox"/>
Irreparable damage to carpets, furniture, fittings	<input type="checkbox"/>	Significant damage to affected area	<input type="checkbox"/>
Property became uninhabitable	<input type="checkbox"/>	Environmental impact	<input type="checkbox"/>
Damage to materials, stock, goods, crops	<input type="checkbox"/>	Unable to gain access/egress to property	<input type="checkbox"/>
Loss of production / business	<input type="checkbox"/>	Disruption e.g. road flooded, power out, water or gas off	<input type="checkbox"/>
Temporary closure of shop / factory / business	<input type="checkbox"/>		

8. What action have you taken to prevent flood water from entering your property? Please tick as many as appropriate.

Sand-bags ☐ Airbrick covers ☐ Temporary flood guards ☐ Permanent flood boards/guards ☐

Other: Please specify.

### Were you Warned?

9. Did you receive any warning about the flooding? This could be from Environment Agency, or friends/neighbours for example. Please tick one box.

Yes ☐ No ☐ If you answered "No", please move on to Question 10.

If "Yes", what was the date and time of the warning you received? Please write in the box below.

If "Yes", who gave you the flood warning? Please tick all that apply.

Environment Agency	<input type="checkbox"/>
Police	<input type="checkbox"/>
Fire Service	<input type="checkbox"/>
Local Authority	<input type="checkbox"/>
Flood Warden	<input type="checkbox"/>
Neighbour/ Friend	<input type="checkbox"/>
Media, e.g. TV, Radio, Internet	<input type="checkbox"/>

Other: Please specify.

10. Did you receive any assistance during the flooding? Please tick all that apply

Environment Agency	<input type="checkbox"/>
Police	<input type="checkbox"/>
Fire Service	<input type="checkbox"/>
Local Authority	<input type="checkbox"/>
Flood Warden	<input type="checkbox"/>
Neighbour/ Friend	<input type="checkbox"/>
Media, e.g. TV, Radio, Internet	<input type="checkbox"/>

Other: Please specify.

11. Please comment on the extent of the flooding in your area? For instance, were your neighbours flooded and how many other properties in your road flooded? Should you wish to draw a rough sketch, please use the Map provided.

### Additional Comments

12. If you have any further comments regarding the 2013 floods, or any other information you think would be relevant to us, please comment below:

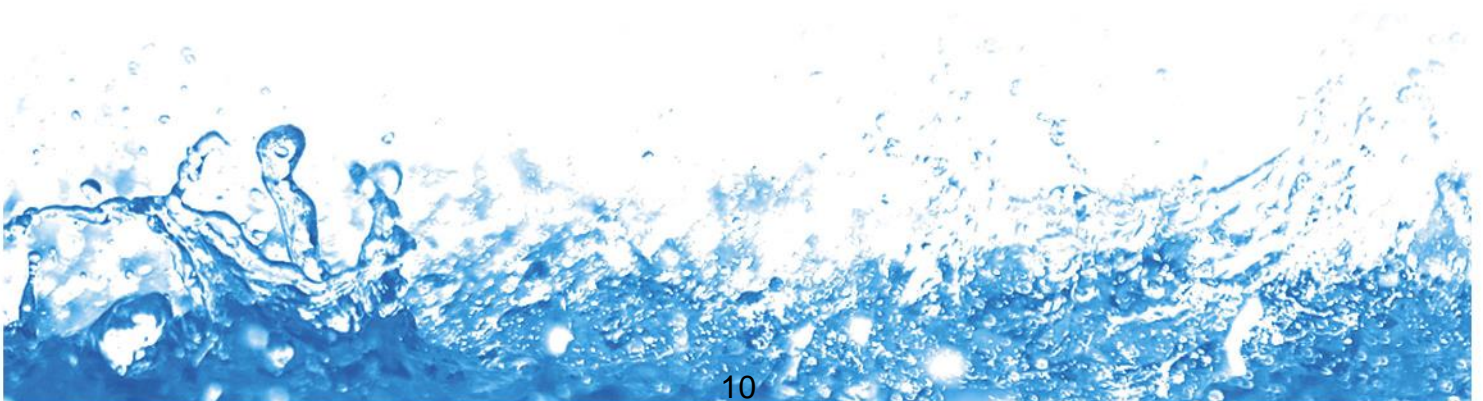
Thank you for completing this questionnaire.

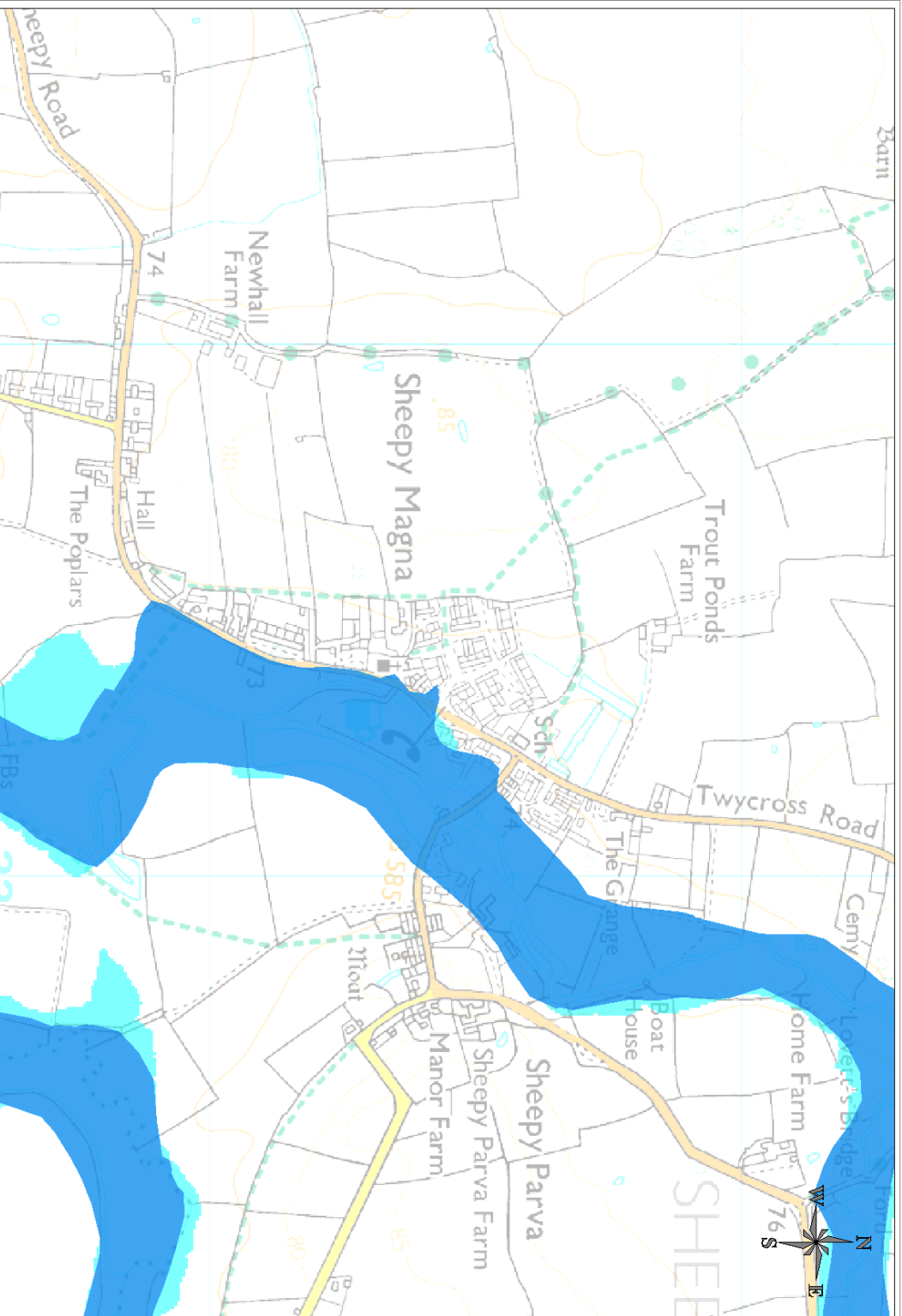


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# **APPENDIX E**

## **FLOOD ZONE MAP**





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This is not a definitive record, but is based on the best available information and is given without warranty. If roadside ditches are present, the normal presumption is that these do not generally form part of the publicly maintainable highway. This plan has been produced in relation to the specified area of enquiry and should not be used for any other purpose, since its accuracy can not be guaranteed.

This map gives an indication of the broad areas likely to be at risk of surface water flooding. It is not suitable for use at an individual property scale due to the method used.

### Key:

- Flood Zones
- Flood Zone 3
- Flood Zone 2

### NOTES:

1. N/A



ENVIRONMENT AND TRANSPORT  
DEPARTMENT

ON BEHALF OF THE  
DIRECTOR

LEICESTERSHIRE COUNTY COUNCIL  
ENVIRONMENT AND TRANSPORT

SERVICE:  
LEAD LOCAL FLOOD AUTHORITY

TITLE:  
Flood Zone Map,  
Sheepy Magna

LOCATION:  
SHEEPY MAGNA

DRAWING NUMBER  
2012-Inv-073-FZ

SCALE  
Not To Scale

CREATED BY: Chris Bramley

DATE: 24-12-2013

APPROVED BY: Daniel Rawle

SIZE: A4

E-MAIL: [flooding@leics.gov.uk](mailto:flooding@leics.gov.uk)

PHONE: 0116 305 0001

FAX:

COUNTY HALL • GLENFIELD • LEICESTER • LE3 8RU

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# **APPENDIX F**

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