

Lead Local Flood Authority
Section 19 (Flood and Water Management Act
2010)
Flood Investigation Report

(Reformatted Version)

Report Title:

Terry Gardens

Kesgrave

Report Reference(s):

FW2014-0250

FW2014-0251

FW2014-0377

| | Name | Date |
|-----------------------|---|-------------------|
| Lead Officer: | Jason Skilton | |
| Created by: | Jason Skilton | 31 July 2014 |
| Checked by: | Jeff Horner | 13 August 2014 |
| RMA Review: | Anglian Water & Suffolk County Council | 29 September 2014 |
| Approved by: | Jeff Horner | 29 September 2014 |
| Date Published | | 23 October 2014 |

- 1.0** Suffolk County Council as a Lead Local Flood Authority (LLFA) has determined that in accordance with criteria, it considered it necessary or appropriate to carry out an investigation into this flood event in accordance with Section 19 (1) of the Flood and Water Management Act 2010, and in accordance with Section 19 (2) of the Flood and Water Management Act 2010, to publish the results and notify the relevant risk management authorities (RMAs).
- 2.0 Reference/s:** FW2014-250, 0251, 0377
- 2.1 Location:** Terry Gardens, Kesgrave, Ipswich, Suffolk
- 2.2 Flood Event Date:** 26 & 27 May 2014
- 2.3 Reported to SCC Date:** 28 May 2014
- 2.4 Investigation Commencement Date:** June 2014
- 2.5 Criteria for investigation:**

| Criteria for an investigation (as per Appendix D of the Suffolk Flood Risk Management Strategy): | ✓/X |
|--|------------|
| There was a risk to life as a result of flooding? | |
| Internal flooding of one property (domestic or business) has been experienced on more than one occasion? | |
| Internal flooding of five properties has been experienced during one single flood incident | ✓ |
| Where a major transport route was closed for more than 10 hours as a result of flooding | ✓ |
| Critical infrastructure was affected by flooding | |
| There is ambiguity surrounding the source or responsibility of a flood incident | |



2.6 OS Grid Reference: 623,52 245,18

2.7 Extent of flooding: Five domestic properties with internal flooding of main living, garages, and gardens. Public highway completely flooded for approx. 50m length to an approx. depth 450mm. Anglian Water surface water system surcharged.

2.8 Effect of flooding: Domestic properties affected, road closed,

2.9 History: None since 2011

2.10 Flooding Source: Surface water.

2.11 Causes:

- Possible exceedance of design capacity of surface water drainage system i.e. SCC Highway drainage & Anglian Water surface water system
- Lack of maintenance of Anglian Water attenuation basin
- Blockage in Anglian Water attenuation basin outlet pipe to Mill River discharge
- Flooded properties in streetscape low spot
- Estimated rainfall event between a 1:30 - 1:40 recorded over Ipswich/Kesgrave area

2.12 Additional Information:

- Heavy rainfall recorded as approx. 58mm in 9 hours
- Saturated ground conditions

3.0 Risk Management Authority with Relevant Flood Risk Function

- *Anglian Water*
- *Suffolk County Council (Highways)*

3.1 Functions:

- Anglian Water (Surface water drainage maintenance & asset owner)
- Suffolk County Council (Public highway maintenance & asset owner)

4.0 Recommendations:

1. Maintenance schedule of attenuation basin to be reviewed and implemented
2. AW & SCC Surface water drainage system design to be reviewed

4.1 Recommended Actions:

| Action | Responsible Authority | Timescale for response | Latest Progress Update for Actions |
|---|------------------------|------------------------|------------------------------------|
| Attenuation basin volume to be calculated | Anglian Water | Completed | |
| Attenuation basin to be cleared of waste material | Anglian Water | Completed | N/A |
| Outlet pipe to Mill River outfall to be checked for blockage (CCTV) | Anglian Water | Complete | N/A |
| Road gullies to be cleared | Suffolk County Council | Complete | N/A |