

# Flood Investigation Report

Upon learning of the following flood event, Suffolk County Council determined it was necessary to carry out an investigation under Section 19 (1) of the Flood and Water Management Act in order to determine which risk management authorities had relevant flood risk management functions and whether each of those risk management authorities has exercised or is proposing to exercise those functions in response to the flood. In accordance with Section 19 (2) of the Flood and Water Management Act this report details the results of the investigation.

**Reference/s:** FW2014-250, 0251, 0377,

**Location:** Terry Gardens, Kesgrave, Ipswich, Suffolk

**Flood Event Date:** 26 & 27 May 2014

**Reported to SCC Date:** 28 May 2014

**Investigation Commencement Date:** 3 June 2014

**Reason for investigation:** Properties and road flooded



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**OS Grid Reference:** 623,52 245,18

**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.

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

**History:** None since 2011

**Flooding Source:** surface water

**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

**Additional Information:**

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

**Risk Management Authority with Relevant Flood Risk Function**

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

**Functions:**

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

**Recommendations:**

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

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## Actions:

Action	Responsible Authority	Timescale for response
Attenuation basin volume to be calculated	Anglian Water	30 October 2014
Attenuation basin to be cleared of waste material	Anglian Water	31 September 2014
Outlet pipe to Mill River outfall be checked for blockage (CCTV)	Anglian Water	(Complete)
Road gullies to be cleared	Suffolk County Council	(Complete)

	Name	Date
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