

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

Report Title: Waveney Terrace, Haverhill, Suffolk CB9 8BZ

Report Reference(s): FW2020-2529

	Name	Date
Lead Officer:	Jason Skilton	
Created by:	Jason Skilton	16 th September 2020
Checked by:	Simon Curl	22 nd October 2020
RMA Review:		30 th October 2020
Approved by:	Matt Hullis	2 October 2020
Date Published		

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: FW2020-2529

2.1 Location: Waveney Terrace, Haverhill, Suffolk CB9 8BZ

2.2 Flood Event Date: 13th & 14th August 2020

2.3 Reported to SCC Date: 13th August 2020

2.4 Investigation Commencement Date: 17th August 2020

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?	X
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	X
Critical infrastructure was affected by flooding	X
There is ambiguity surrounding the source or responsibility of a flood incident	X



(Investigation area map)

2.6 OS Grid Reference: TL 67468 45352

2.7 Extent of flooding: Approximately 300mm in properties

2.8 Effect of flooding: Internal flooding of five properties to front of main living area

2.9 History: None

2.10 Flooding Source: Surface water

2.11 Likely causes:

- Significant rainfall events on concurrent days
- Run off from higher paved areas
- Ponding of water on the public highway
- Submerged outfalls of surface water drainage system
- Exceedance of design capacity of surface water drainage system

2.12 Additional Information:

- Waveney Terrace is predicted to be at high risk of surface water flooding by the Environment Agency's national mapping
- Water levels in the Stour Brook were 0.9m higher than normal during the flood event of the 13th August 2020

3.0 Risk Management Authority with Relevant Flood Risk Function

- Suffolk County Council, Highways Authority

- Anglian Water Services (Public Surface Water Sewer)

3.1 Functions:

- Suffolk County Council (Public highway maintenance & asset owner)
- Anglian Water Services (Maintenance & asset owner)

4.0 Recommendations:

- Suffolk County Council (Highways) to ensure that their surface water system is maintained and is free flowing to its outfall
- Suffolk County Council (LLFA) to produce a Surface Water Management Plan for the wider area in order to identify longer term opportunities for improved water management
- Anglian Water Services to ensure that their surface water system is maintained and is free flowing to its outfall
- Property owners to consider property level resilience measures

4.1 Recommended Actions:

Action	Responsible Authority	Timescale for response	Latest Progress Update for Actions
Raised area of highway at junction of Waveney Terrace and Eden Rd to be reviewed	SCC (Highways)	6 Months	Completed
Condition of surface water systems to be investigated and appropriate maintenance undertaken. Height of surface water drainage Outfalls to be surveyed	SCC (Highways) & Anglian Water Services	6 Months	CCTV and trial holes undertaken. Defects found and a programme of works is being identified.
Haverhill Surface Water Management Plan to be study to be undertaken & published	SCC (LLFA)	12 months	High-pressure jetting and a CCTV survey were completed in 2022. These works improved the performance of the drainage system but also identified sections of damaged and collapsed pipework. Due to the constraints of the narrow Victorian terraced streets, which are now heavily congested with more recent underground

		utilities including water, sewerage, gas, electricity and telecommunications services, the options for repairing and improving the surface water drainage network are limited. As a result, significant additional investigation, design and development work has been required to identify a viable solution, a process which has taken several years to complete. A scheme to reduce flood risk at Waveney Terrace has now been developed and is with Suffolk Highways' Operations Team for planning and programming. The works will involve interventions on Eden Road and Waveney Terrace, as well as measures on Duddery Hill, where some of the surface water originates before flowing down Eden Road towards Waveney Terrace. The construction dates have not yet been finalised, as road closures and resource requirements are still being scheduled. However, both elements of the scheme are expected to be delivered during the 2026/27 financial year.
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Property level resilience measures to be considered at affected properties – advice to be forwarded by SCC.	Home-owners SCC (LLFA)	N/A	Completed