

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

Report Title:

The Street
Kettleburgh

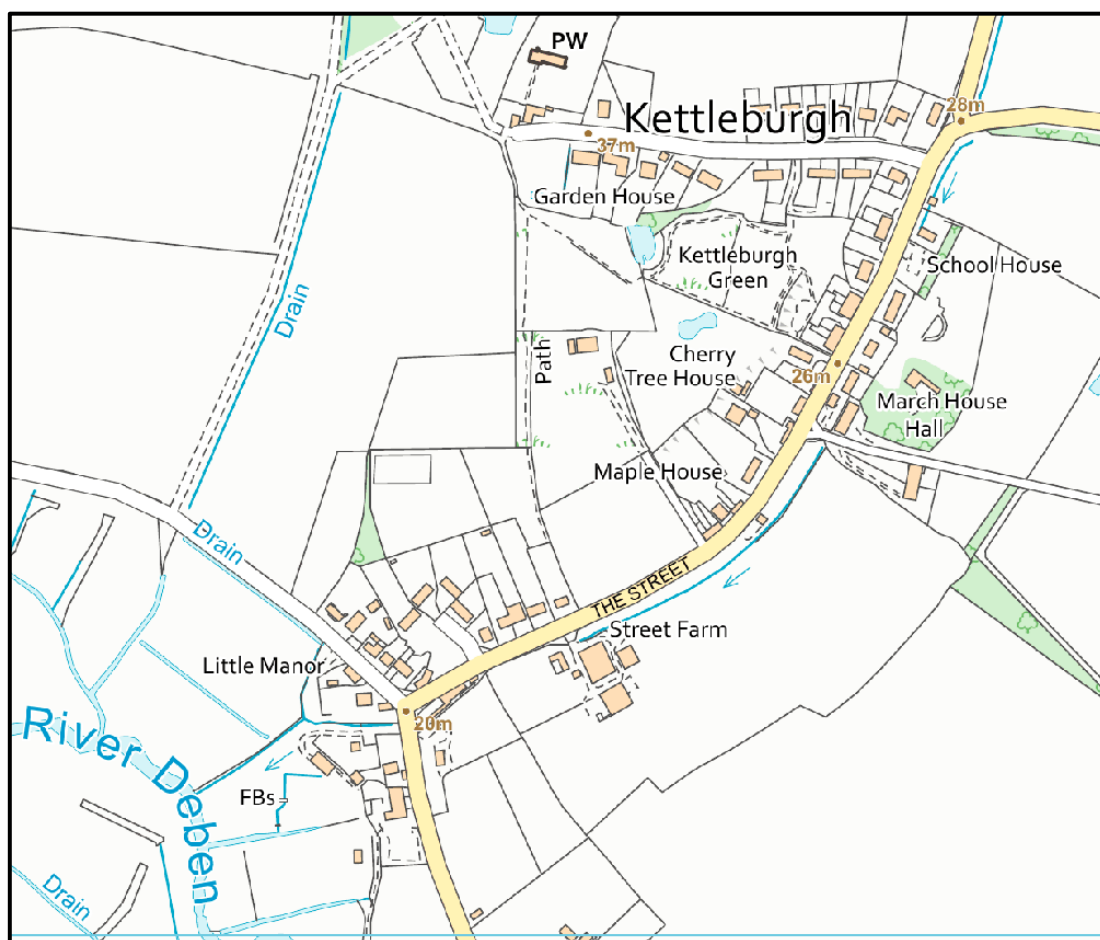
Report Reference(s):

FW2019-1605, FW2019-2004,
FW2019-2246

	Name	Date
Lead Officer:	Matt Williams	
Created by:	Matt Williams	08/01/2020
Checked by:	Simon Curl	29/01//2020
RMA Review:		10/02/2020
Approved by:	Matt Hullis	29/01/2020
Date Published		30/03/2020

- 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:** FW2019-1605, FW2019-2004, FW2019-2246
- 2.1** **Location:** The Street, Kettleburgh
- 2.2** **Flood Event Date:** 27/11/2019 & 17/12/2019
- 2.3** **Reported to SCC Date:** 27/11/2019 & 21/12/2019
- 2.4** **Investigation Commencement Date:** 07/01/2020
- 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: TM266603

2.7 Extent of flooding: 4 residential properties are reported to have flooded internally with a further 3 almost flooding internally, partly saved due to reactive measures taken by property owners.

2.8 Effect of flooding: Depth of internal property flooding unknown.

2.9 History: Kettleburgh Parish Council have provided accounts of historic flooding however no evidence is available for these events.

2.10 Flooding Source: Capacity of ordinary watercourse (partially piped) exceeded due to reported intense storm event (no rainfall depth data available). Flood Zone extent of River Deben is not thought to be a contributory factor.

2.11 Causes:

- Significant rainfall event
- Piped watercourse (in multiple private ownerships) restricting flow of surface water
- Natural surface water flood extent

2.12 Additional Information:

- All flooded properties are shown to be at surface water flood risk for the 1 in 30 (3.33% AEP) rainfall event on Environment Agency Risk of Flooding from Surface Water mapping.
- Highways gullies along The Street are reported to have been surcharging during the storm event resulting in water flowing down the road, contributing to overland flow.
- Reported issues of Anglian Water Foul Sewer overflowing at the junction of The Street and Low Street. This could be partly contributed to by ingress of surface water into the foul sewer. Anglian Water are aware of the issue and are investigating. Therefore, this report does not address flooding of the foul sewer.

3.0 Risk Management Authority with Relevant Flood Risk Function

- Suffolk County Council – Lead Local Flood Authority (LLFA)
- Suffolk County Council – Highway Authority

4.0 Recommendations:

1. Lead Local Flood Authority to provide residents/riparian owners affected by flooding with a hardcopy of this Section 19 report along with a copy of the Suffolk Riparian Ownership Guidance (<https://www.suffolk.gov.uk/assets/Roads-and-transport/Flooding-and-drainage/Riparian-Ownership/2018-12-07-Riparian-Ownership-in-Suffolk-Booklet-FINAL.pdf>).
2. Suffolk Highways to investigate gully connections to determine cause of reported surcharging.
3. Suffolk Highways to investigate culverting of watercourse under The Street to determine condition of pipework and to determine any potential throttling of flows beneath public highway.
4. Riparian owners to ensure that piped watercourses within their ownership are of sufficient capacity and are kept clear and in a reasonable condition to minimise risk of surface water flooding.
5. Riparian owners to consider increasing size of piped watercourse and/or providing additional surface water storage.

4.1 Recommended Actions:

Action	Responsible Authority	Timescale for response	Latest Progress Update for Actions
Provide hard copies of Section 19 report and Riparian Ownership guidance to affected properties	Lead Local Flood Authority	1 month	Completed
Investigate road gully connections	Suffolk Highways	3 months	
Investigate culverting under highway to determine pipe capacity	Suffolk Highways	3 months	
Check capacity and condition of piped watercourses	Riparian owners	6 months	
Consider increasing size of piped watercourses and/or providing additional storage	Riparian owners	6 months	