

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

(Reformatted Version)

Report Title:

Langer Road

Felixstowe

Report Reference(s):

FW2015-0012

FW2015-0017

FW2015-0067

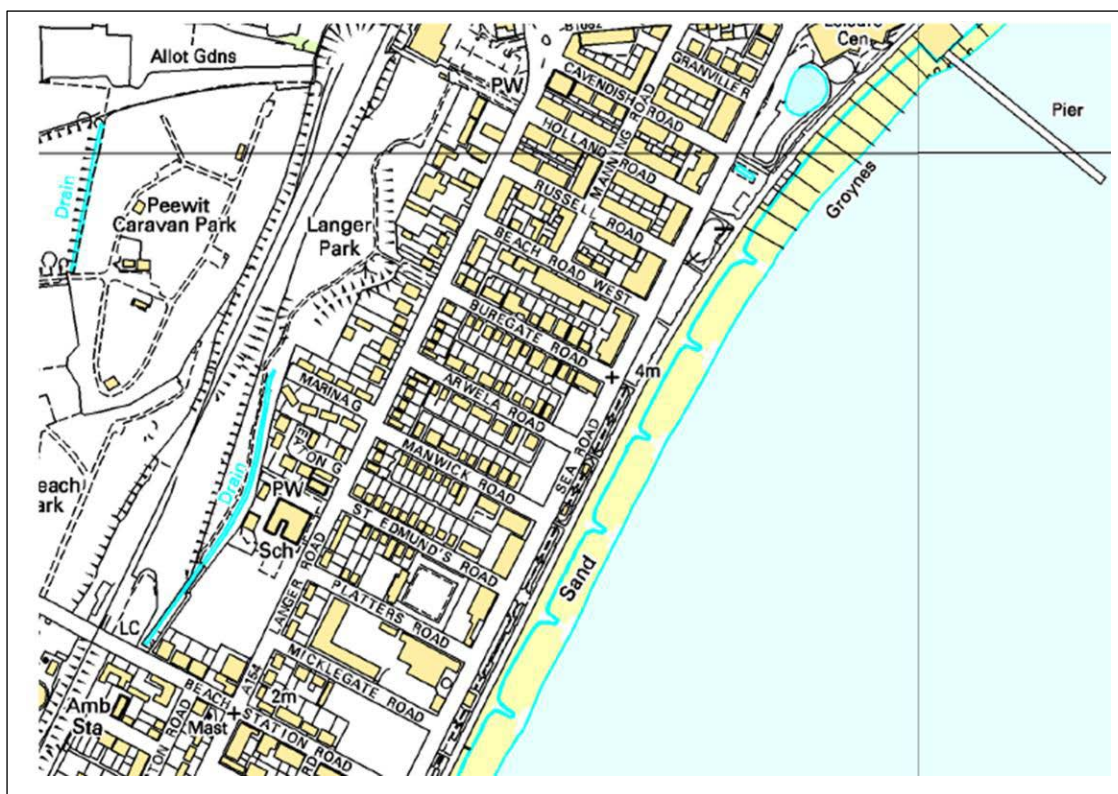
FW2015-0073

FW2015-0092

	Name	Date
Lead Officer:	Jason Skilton	
Created by:	Jason Skilton	10/09/2015
Checked by:	Matt Hullis	11/09/2015
RMA Review:	Anglian Water, Suffolk Coastal District Council & Suffolk County Council	
Approved by:	Sue Roper	
Date Published		30/11/2015

- 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:** FW2015-0012, 0017, 0067, 0073 & 0092
- 2.1 Location:** Langer Road, Felixstowe
- 2.2 Flood Event Date:** 5 June 2015
- 2.3 Reported to SCC Date:** 20 July 2015
- 2.4 Investigation Commencement Date:** 27 July 2015
- 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 Grid Reference: 629352, 233383

2.7 Extent of flooding: It is indicated that 4 domestic properties flooded internally affecting the main living areas, garages and gardens. The public highway partially flooded for approx. 50m to an approx. depth 200mm. The Anglian Water surface water drainage system surcharged.

2.8 Effect of flooding: Properties internally flooded to a depth of 150mm and public highway flooded to 150-200mm.

2.9 History: Residents have shared records of flooding in this location since 2007. SCC has records of Highway flooding since 2011.

2.10 Flooding Source: Surface water and ground water.

2.11 Causes:

- Possible exceedance of design capacity of surface water drainage system. i.e. SCC Highway drainage & Anglian Water surface water system
- Blockages of some of SCC Highways & Anglian Water assets
- High water table under Langer Rd area
- The properties are located within an area mapped as being at risk of pluvial flooding.

- Vegetation washed down stream and blocked trash screens in Langer Park watercourse
- Blockages at several locations along the Langer Park watercourse

2.12 Additional Information: A large volume abstraction point is operated by a business in Dock Rd and high minor aquifer is located under the Langer Rd area.

3.0 Risk Management Authority with Relevant Flood Risk Function

- Anglian Water
- Suffolk County Council
- Suffolk Coastal District Council

3.1 Functions:

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

4.0 Recommendations:

1. Maintenance schedule of Langer Park watercourse to be reviewed and enhanced if required by Suffolk Coastal District Council.
2. Suffolk County Council surface water drainage system design capacity to be reviewed
3. Anglian Water to assess the design of the trash screen, and redesign if appropriate. Flood mitigation, resilience recovery measures to be considered by all affected property owners.
4. Property owners look to flood resilience measures to mitigate the ground water flood risk.

4.1 Recommended Actions:

Action	Responsible Authority	Timescale for response	Latest Progress Update for Actions
Suffolk Coastal District Council to review and implement a maintenance schedule for Langer Park watercourse	Suffolk Coastal District Council	Completed	N/A
Suffolk County Council Highways to review maintenance schedules for drainage assets on Langer Rd from Undercliff Rd West to Beach Station Rd including come side roads	Suffolk County Council, Highways	Completed	Gullies maintained on a 12 month circle or as required
Anglian Water to review maintenance schedules for drainage assets and structures in the Langer Park watercourse	Anglian Water	Completed	Trash screen cleansed bi annually (April & Sept) or after significant rainfall
Suffolk County Council Highways to evaluate and issue a report of the surface water system and its design capacity for Langer Rd from Undercliff Rd West to Beach Station Rd including side roads	Suffolk County Council, Highways	Completed	Detailed survey completed and remedial works programmed (Aug 2017)
Suffolk Coastal District Council, to review frequency of road sweeping in Langer Rd	Suffolk Coastal District Council	December 2015	Outstanding
Anglian Water to evaluate and issue a report of the surface water system and design capacity	Anglian Water	Completed	
Anglian Water to assess the design of the trash screen, and redesign if appropriate.	Anglian Water	Completed	New trash screen and work access areas installed.