

APPENDIX Q

SECTION 19 REPORT – LANEHAM – STORM BABET, OCTOBER 2023

Introduction

Section 19 of the Flood and Water Management Act 2010 states:

1. On becoming aware of a flood in its area, a lead local flood authority must, to the extent that it considers it necessary or appropriate, investigate:
 - (a) Which Risk Management Authorities (RMAs) have relevant flood risk management functions.
 - (b) Whether each of those RMAs has exercised, or is proposing to exercise, those functions in response to the flood.
2. Where an authority carries out an investigation under subsection (1) of Section 19 it must:-
 - (a) Publish the results of its investigation.
 - (b) Notify any relevant RMAs.
3. The objective of this report is to investigate which RMAs had relevant flood risk management functions during the flooding in October 2023 and whether the relevant RMAs have exercised, or propose to exercise, their risk management functions (as per section 19(1) of the Flood and Water Management Act 2010).
4. The Risk Management Authorities for this area of Nottinghamshire are Bassetlaw District Council (BDC), The Nottinghamshire County Council (NCC) as Lead Local Flood Authority (LLFA), VIA East Midlands Ltd as Highways Authority on behalf of NCC, Severn Trent Water Ltd. (STW) and Trent Valley Internal Drainage Board (TVIDB).
5. It should be noted that this duty to investigate does not guarantee that flooding problems will be resolved and cannot force others into action.

Background

6. Laneham is a village within the District of Bassetlaw, Nottinghamshire. It has a population of approximately 392 people according to the 2021 census.
7. The North Beck is managed by the Trent Valley Internal Drainage Board and runs from west to east through the village.
8. On the 20th October, during Storm Babet, Laneham suffered a flood event caused by sustained heavy rainfall. Between 12:00 noon on the 18th and 23:00 on the 20th October, 124mm of rainfall was recorded at the Staythorpe rain gauge, which is approximately 22km from Laneham (Figure 1). Consequently, 7 residential properties were subject to internal flooding with more suffering flooding to gardens and outbuildings.

9. This storm came after a prolonged period of persistent rain which had saturated the ground resulting in flooding of roads and properties quicker than they would following a dry period.

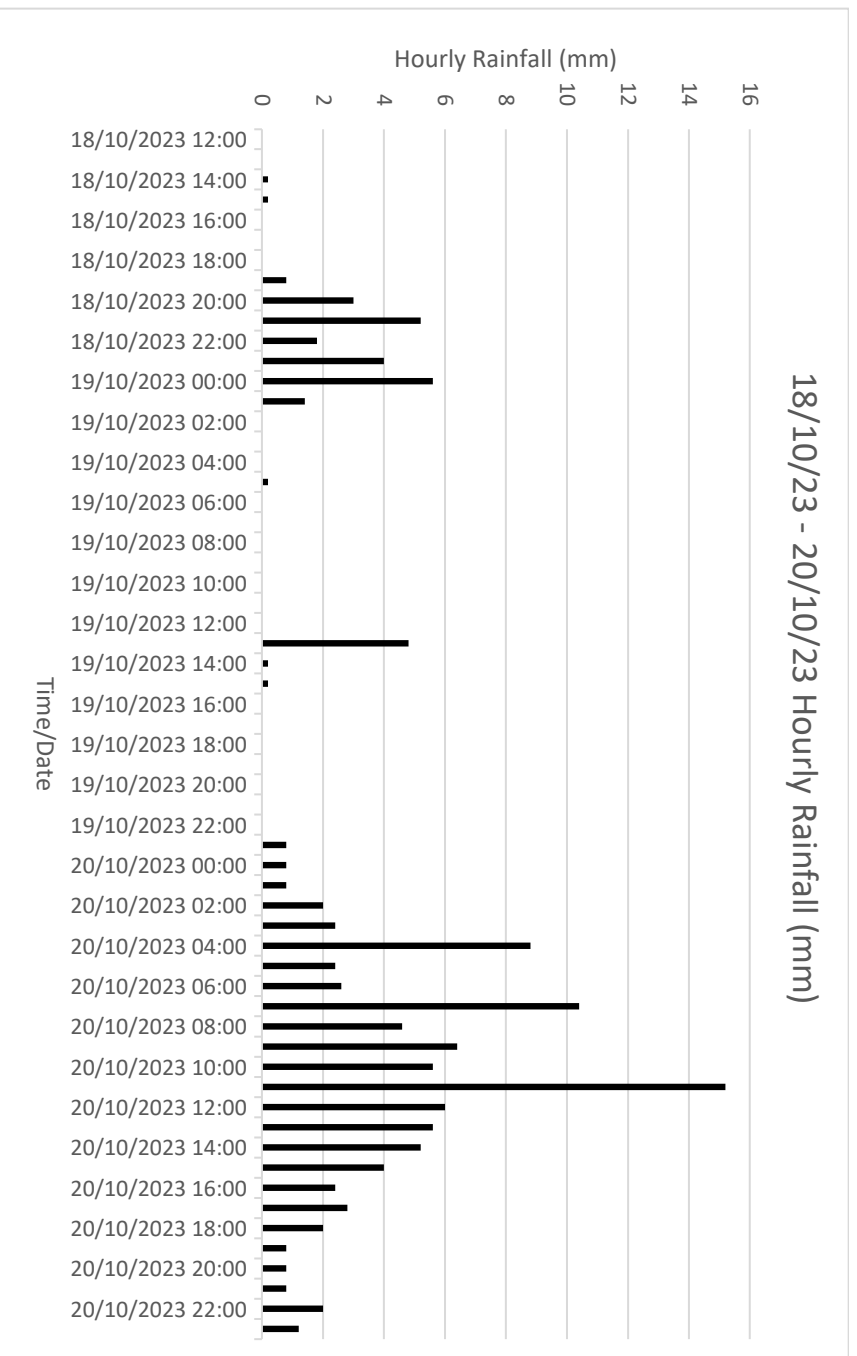


Figure 1. Staythorpe Hourly Rainfall from 12:00 18th to 23:00 20th October 2023. Data supplied by the Environment Agency.

10. A location map of Laneham is shown in Figure 2. The areas affected were:

- Dunham Road (5)
- Laneham Road (2)

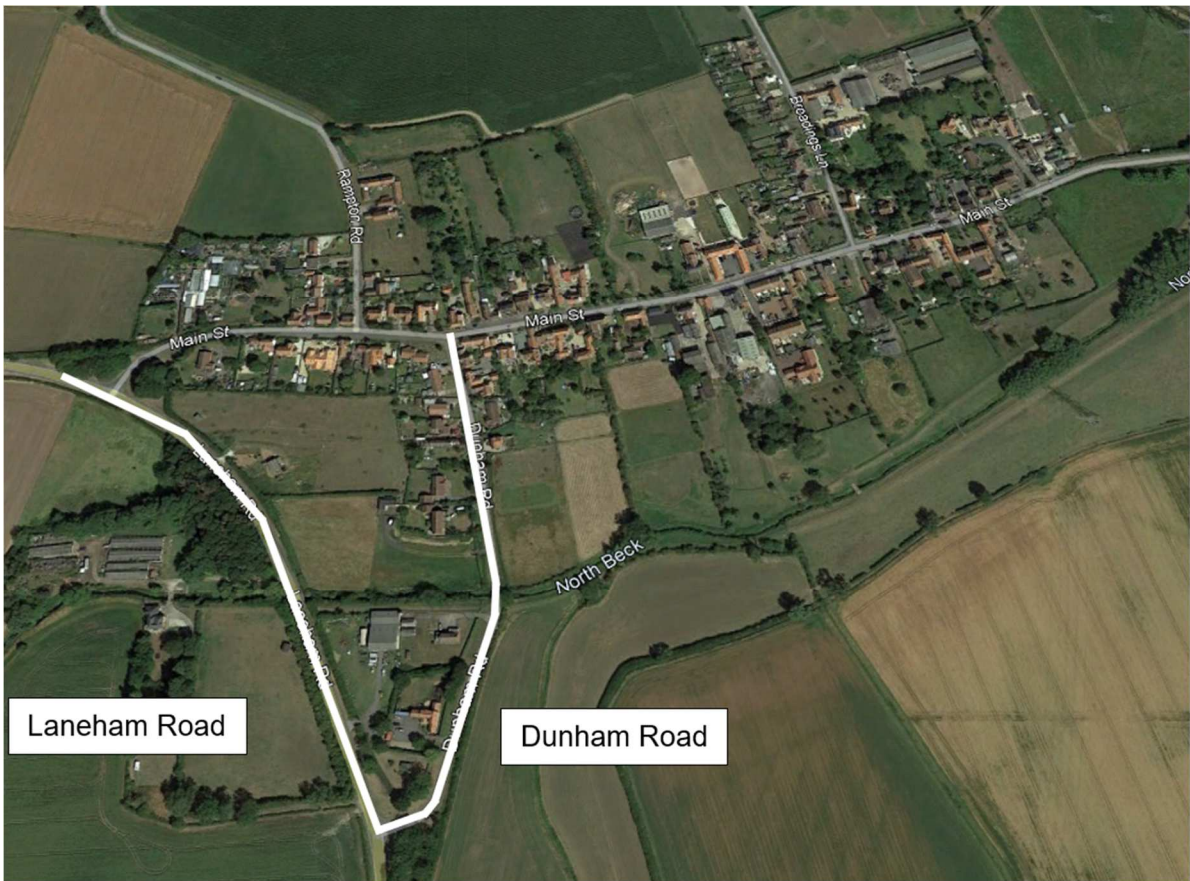


Figure 2. View of Laneham flood affected areas.

Summary of flooding and its causes

11. Due to the prolonged heavy rainfall water levels in the The North Beck rose, ultimately overwhelming the culvert under Dunham Road. Initially the resultant flood water which came out of bank here is described as passing over the road and back into the beck and open fields, however soon after it reached levels where it instead ran down the road itself. This follows the topography of the road as a result of the bridge forming a hump, pushing water to the north and south of the bridge.
12. There was also a significant flow of water identified to be coming directly off fields to the West of Laneham Road, flowing directly onto Dunham Road, with some flowing down the road and some flowing into open fields to the east. This is shown in Figure 4.
13. As a result of the above noted flows from the North Beck and across fields, five residential properties suffered internal flooding on Dunham Road.

(1)

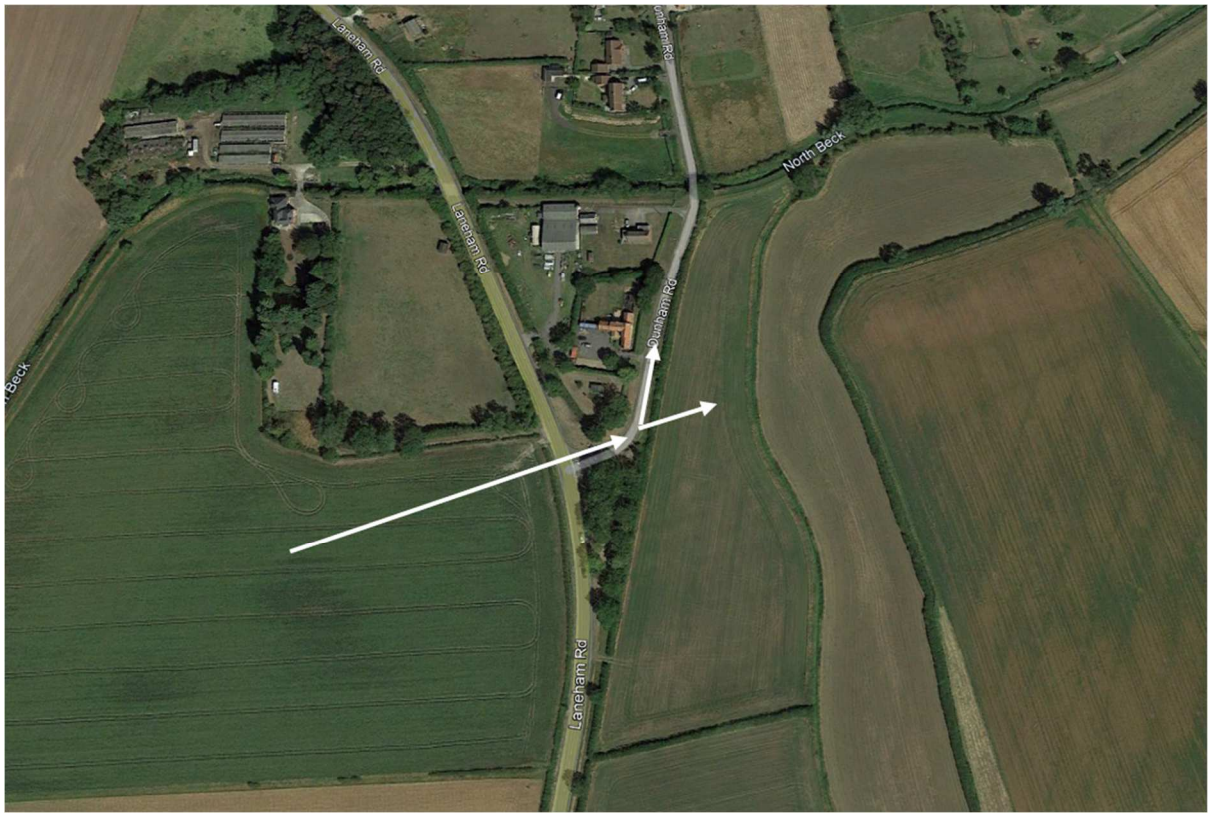


Figure 3. Observed Flow Routes

14. On Laneham Road were internally flooded as a direct result of the North Beck bursting its banks. The fluvial flood extent mapping for this area is shown in Figure 4. While this broadly notes the trend of the flooding it does have inaccuracies due to the coarseness of the mapping at this scale.

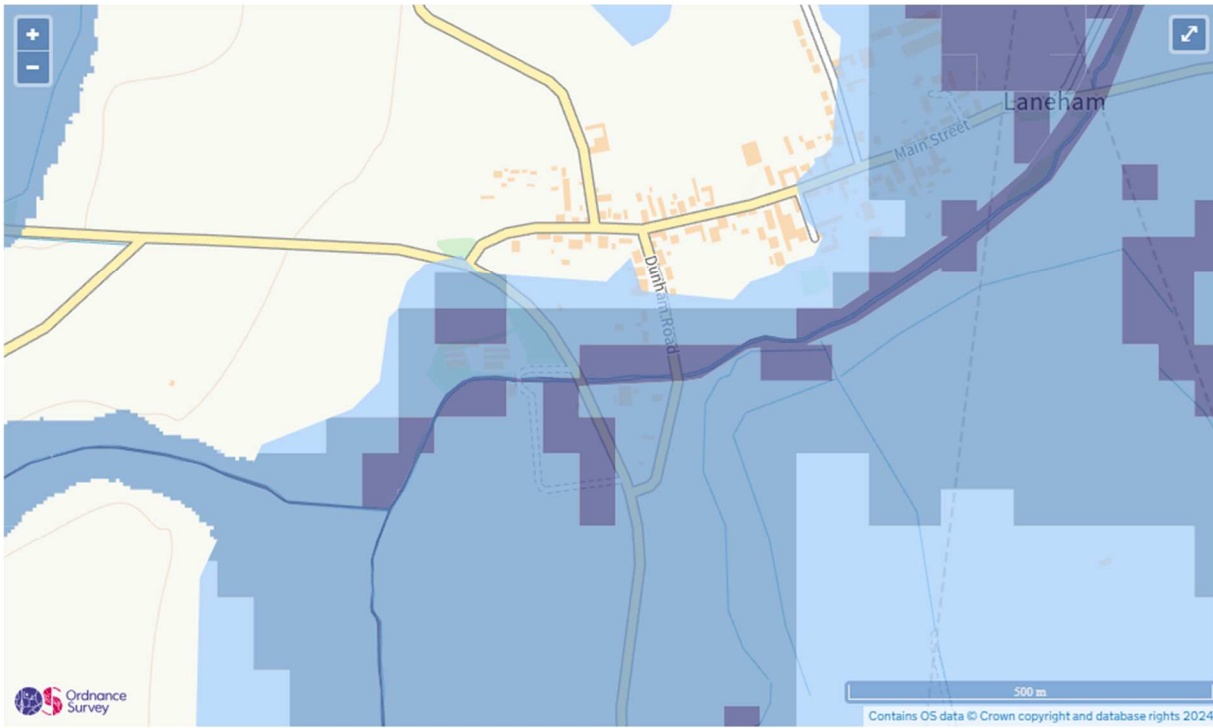


Figure 4. Fluvial Flood Risk Mapping. Data provided by the Environment Agency.

Risk Management Authorities and their responsibilities

15. The Nottinghamshire County Council.

a) Lead Local Flood Authority.

- i. Investigate significant local flooding incidents and publish the results of such investigations.
- ii. Play a lead role in emergency planning and recovery after a flood event.
- iii. As the Lead Local Flood Authority, we have a new duty to determine which risk management authorities have relevant powers to investigate flood incidents to help understand how they happened, and whether those authorities have or intend to exercise their powers.
- iv. By working in partnership with communities, Lead Local Flood Authorities can raise awareness of flood risks.
- v. Lead Local Flood Authorities should encourage local communities to participate in local flood risk management.

b) Emergency Planning.

- i. If a flood happens, all local authorities are 'category one responders' under the Civil Contingencies Act. This means they must have plans in place to respond to emergencies and control or reduce the impact of an emergency.

c) Highway Authority (NCC/VIA East Midlands Ltd).

- i. Maintenance of the public highways including highway drainage assets.

16. Bassetlaw District Council.

- a) Category one responder under the Civil Contingencies Act. This means they must have plans in place to respond to emergencies and control or reduce the impact of an emergency.

17. Severn Trent Water Ltd. (STW).

a) Maintenance of the public sewerage system.

b) As a water and sewerage company, STW manage the risk of flooding from their water supply and sewerage facilities. This includes;

- Surface water sewers – these carry rainfall and surface water away from properties to watercourses.
- Foul water sewers – these carry wastewater away from properties to be treated.
- Combined water sewers – these drain both wastewater and surface water from properties along with run off from highways.
- Managing the impact of flooding to their networks by ensuring their systems have the appropriate level of resilience to flooding.
- Engage with RMAs on how water and sewerage company assets impact on local flood risk.
- STW are Category 2 responders under the Civil Contingencies act, providing emergency response and supporting the management of flooding events.

18. Trent Valley Internal Drainage Board (TVIDB)

- a) Has a duty to manage flood risk and land drainage within areas of special drainage need in the Trent Valley.
- b) Has permissive powers to undertake work to provide water level management within their area.
- c) Undertake works to reduce flood risk to people and property and manage water levels for local needs including the maintenance of rivers, drainage channels, outfalls and pumping stations.

Risk Management Authority Responses to Flood

19. The following lists the actions taken by each RMA in response to the flooding both in the immediate aftermath as well as in the longer term:
20. The Nottinghamshire County Council.

Officers from across the County Council played a key role in the response to the Major Incident that had significant impacts across the county. The following lists the key actions taken by Nottinghamshire County Council:

- a) Initiated its Community Flood Recovery Grant to support individuals affected by internal flooding as a short-term recovery aid.
 - b) Attended site after flooding occurred to verify scale of internal flooding, offer support, guidance and advice to affected residents and businesses.
 - c) Information gathered on site was fed back to relevant RMA's and partners.
 - d) Collated flood impact data from other RMA's and partners and published verified data on Resilience Direct.
 - e) Visited flood affected residents and businesses to establish sources and mechanisms of flooding and severity of flood impacts.
 - f) Chaired and attended Strategic / Tactical / Recovery Coordination Group meetings initiated by the Local Resilience Forum.
 - g) Provided 24-hour support through the Emergency Planning team.
 - h) Carried out relevant actions requested by Strategic / Tactical / Recovery Coordination Groups.
 - i) Initiated and led the Section 19 Flood Investigation, including liaison with relevant RMA's, parish councils, community groups, affected residents and businesses.
 - j) Leading on procurement and delivery of DEFRA Property Flood Resilience Repair Grant Scheme.
 - k) Liaised with and supported existing community flood signage schemes during the flooding.
 - l) Delivered sandbags to affected areas and communities.
 - m) Closed 77 roads across Nottinghamshire to promote road safety and avoid additional flood damage to at risk areas.
 - n) Supported District and Borough partners by sharing resources during the emergency response.
 - o) Utilised existing communication channels to update the public, partners and Elected Members with key messages during the event.
 - p) Met with the community following the event to understand the nature of the flooding and inform the Section 19 report and next steps.
21. Bassetlaw District Council
- a) Provided emergency response support for management of the flooding event including;
 - i. Participation in all LRF Strategic Co-ordination Group, Tactical Coordination Group, Communications Cell and Recovery Coordination Group meetings.

- ii. Active deployment of sandbags and aquasacs to vulnerable premises and residents.
- iii. Provision of community resilience stores enabling access to sandbags and aquasacs.
- iv. Public communication of key messages at different phases of the incident, including warn and inform and recovery.
- v. Provision of a rest centre at Retford Leisure Centre.
- vi. Provided temporary accommodation to affected residents in need
- b) Provided skips, caged vans and staffing support to residents to dispose of flood damaged property.
- c) Cleansing of significant detritus from roads, car parks and paths.
- d) Rehoused affected tenants from Council properties.
- e) Undertook repairs to affected Council housing properties.
- f) Promoted and administered Business Recovery Grant and Business Rates Relief schemes.
- g) Promoted and administered the Community Recovery Grant and Council Tax Discount schemes.
- h) Worked in Partnership with Nottinghamshire County Council in relation to the verification and administration of the Property Flood Resilience Grant Scheme.
- i) Actively engaged in the section19 Flood Investigation.

22. Trent Valley Internal Drainage Board

- a) The IDB is working closely with lead partners to identify and deliver appropriate solutions including supporting funding applications and with engineering and design expertise.
- b) In all parts of the IDB districts the regular annual maintenance regime has been and will continue to be delivered to reduce risk and identify potential risk areas.

Additional Information and Future Actions

- 23. All the Risk Management Authorities involved in this event are committed to continuing the investigations into the causes of this incident. Those investigations may identify further actions not listed below.
- 24. As the Lead Local Flood Authority we have witnessed and have experience of how flooding devastates communities. The most vulnerable in the community will be our priority. Nottinghamshire County Council will continue to work closely with partners and communities to identify ways of proactively reducing the risk, likelihood and consequences of future flooding events.
- 25. The LLFA will liaise with Severn Trent Water regarding the reported foul pumping station issues.
- 26. NCC will continue to develop its Flood Warden / Road Closure training programme and support given to community volunteer groups to help ensure they operate as effectively and safely as possible.
- 27. The Flood Risk Management team will look at the suitability of its Property Flood Resilience Programme for communities affected by Storm Babet and will take recommendations through the Cabinet Member later this year for consideration.
- 28. NCC will work with its partners to look at ways of strengthening the enforcement of riparian responsibilities alongside developing our asset inspection process.

29. Bassetlaw District Council participated in the LRF Storm Babet Debrief and learning review meeting which identified a number of future actions.
30. Bassetlaw District Council has undertaken an internal review of the response to Storm Babet which identified a number of future actions.
31. Following a motion to Bassetlaw full Council on 25 January 2024 a resolution was passed to establish a working group reporting into Cabinet to focus exclusively on flooding, to ensure continued focus and scrutiny.
32. Bassetlaw District Council will work with partners to lobby for a change in government policy regarding the Environment Agency funding framework to enable more flood alleviation schemes to be delivered locally.