

Tilston Main Report Details

Project:	Storm Christoph Section 19 Main Report		
Area:	Tilston		
Date:	10/08/22	Project No.:	5150735

Document history

Revision	Purpose description	Originated	Checked	Reviewed	Authorised	Date
1.0	Draft for RMA Comment	TS	SF	EJG	EJG	10/08/22
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Client signoff

Client	Cheshire West and Chester Council
Project	Storm Christoph Section 19 Main Report
Project No.	5150735
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Tilston Main Report Details

This Tilston specific Main Report should be read in conjunction with the Section 19 Flood Investigation – Interim Report (January 2021 Storm Christoph Flooding Event).

1. Background

Tilston is a small village in Cheshire, approximately seven miles east of Wrexham. Carden Brook, which is a Main River, flows northward approximately 500m west of the village and a tributary of Carden Brook, flowing in a north western direction, lies just north of the village. This tributary passes beneath Grange Lane to the east before joining Carden Brook to the north west of Tilston.

Localised areas of Tilston are within the Environment Agency (EA) Flood Zone 3 and 2 and at high and medium risk of surface water flooding, these areas are predominantly in the Wet Lane area to the east of the main village, refer to Appendix I to view these maps.

2. Flood Review

Flooding occurred at the junction between Grange Lane and Wet Lane; two properties were affected. It is suspected that this was due to flow constriction as the watercourse passed beneath Grange Lane but it has not been possible to verify this. The two properties affected both suffered internal flooding although neither had to be evacuated.

Figure 1 below shows the extent of flooding caused by Storm Christoph in January 2021.

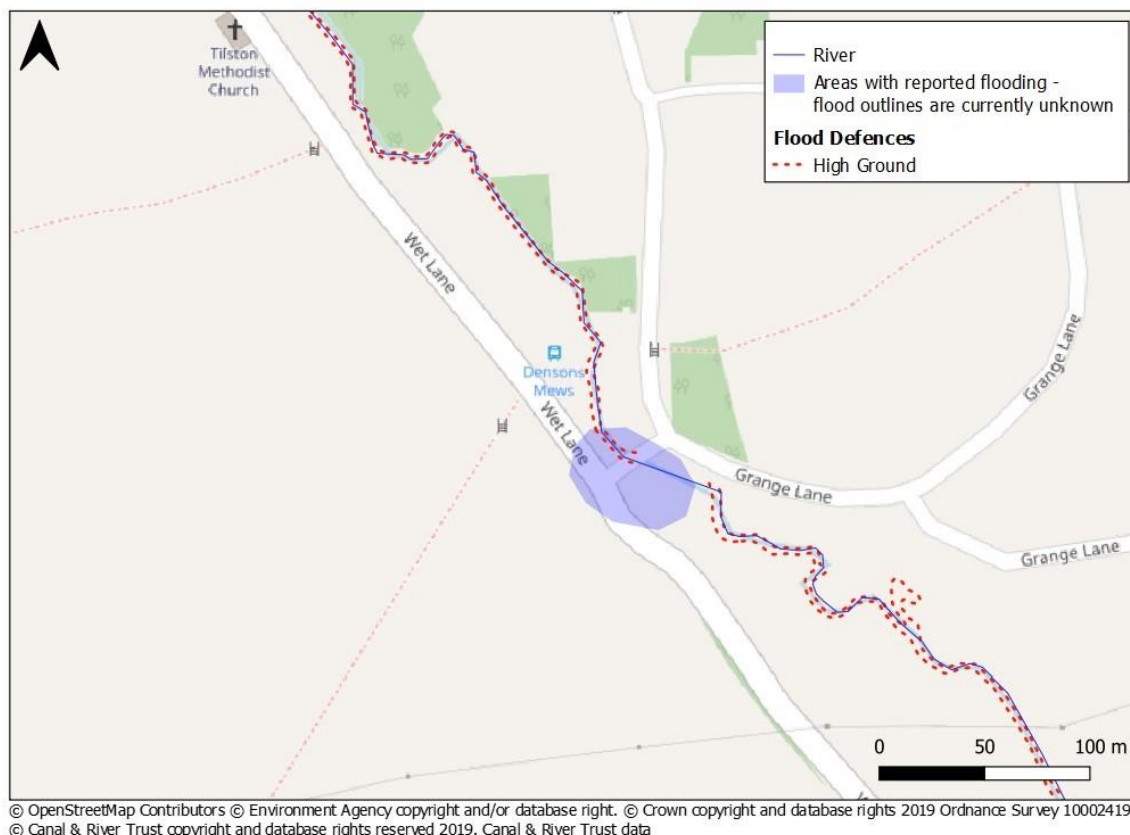


Figure 1 - Flood Overview in Tilston

2.1. Area Summary

Key statistics of the Storm Christoph Flooding in Tilston are summarised in Table 1. A detailed timeline of the flood event can be found in Appendix II.

Table 1 - Flood Impact Summary

Residential properties affected:	Commercial premises affected:	Number of properties evacuated:	Number of properties flooded:	Number of domestic properties flooded:	Number of commercial premises flooded:	Comment
2	0	0	2	2	0	As reported to CWaC prior to publishing

Table 2 provides a brief summary of the flood event, impact and response in Tilston.

Table 2 – Tilston

Tilston	
Date	<ul style="list-style-type: none"> 20th January 2021
Affected Roads	<ul style="list-style-type: none"> Grange Lane, Wet Lane
Flood Alert / warning issued?	<ul style="list-style-type: none"> River Dee catchment in England from Whitchurch to Chester (19/01/2021 20:10)
Flooding Impacts and Observations	<ul style="list-style-type: none"> Property damage Additional stress and mental anguish on the community over such an event happening again
Summary of Flooding Incident Response During Event	<ul style="list-style-type: none"> No further information available

3. RMA Response

This section outlines the RMA response to the flood event at Tilston and identifies area for improvement of flood risk. Consultations have been undertaken with the participating RMAs, local residents and business owners to inform this assessment.

- CWaC, as LLFA, has made limited contact with affected property owners and therefore further development of knowledge of the scale and causes of flooding has not been able to be verified. Similarly, recommendations to property owners regarding the adoptions of individual property protection measures and signing up the EA's Flood Alert Service has not been made due to limited contact.
- CWaC is moving towards a risk-based approach to gully maintenance; increasing the frequency of cleansing to those gullies identified in areas at risk of flooding.
- The FloodHub has been promoted at several engagement events and during site visits with affected residents. A link is also included from the Flood pages of the CWaC website.

4. Recommended Actions

The following actions are recommended:

- CWaC, as LLFA, make continued effort to contact affected property owners to establish the exact nature of flooding to inform potential mitigations.
- Link areas that are identified as being at risk of flooding to the risk-based drainage cleansing system.

Appendix I - Map



Source: EA



Extent of flooding from surface water

● High ● Medium ● Low ○ Very low

Source: EA

Appendix II – Timeline

Time	Tilston
20 th Jan	No information available