

Tarporley Main Report Details

Project:	Storm Christoph Section 19 Main Report		
Area:	Tarporley		
Date:	10/08/2022	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
2.0	Draft for Final Approval	TS	SF	EJG	EJG	01/09/22

Client signoff

Client	Cheshire West and Chester Council
Project	Storm Christoph Section 19 Main Report
Project No.	5150735
Client signature / date	

Tarporley

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

1. Background

Tarporley is a large village in Cheshire, approximately nine miles east of Chester. Flooding was experienced in three separate areas surrounding the village; on the A51 which connects Tarporley to Chester, Moss Lane and Corkscrew Lane which is adjacent to the small watercourse called Waterless Brook

The majority of Tarporley is covered in the Environment Agency (EA) Flood Zone 1, meaning it is at low risk to flooding, however areas of Corkscrew Lane are within Flood Zone 3, and suffer flooding regularly. Moss Lane is in the high risk area for surface water flooding, for full details see Appendix I.

Areas of Corkscrew Lane, covering Waterless Brook, are covered by the Flood Alert Area ‘River Gowy Catchment Including Areas of Frodsham’.

2. Flood Review

The mechanism of flooding is not known due to limited responses from property owners who were affected by internal flooding. It is understood that flooding on Moss Lane came from insufficient drainage, investigations are ongoing.

The mechanism of flooding to property on High Street is not fully understood due to insufficient information being available. However, from the information available it is considered likely that it was caused by surface water ponding and an inability for this to flow freely away through the drainage network.

For the property at Corkscrew Lane, it is considered likely that flooding occurred due to Waterless Brook overtopping, this area is in close proximity to Flood Zone 3 and is within a high risk zone of flooding from rivers.

Figure 1 below shows the extent of flooding across the village during the floods caused by Storm Christoph. This was developed through discussions with the Cheshire West and Chester Council (CWaC), as Lead Local Flood Authority (LLFA), and affected property owners.

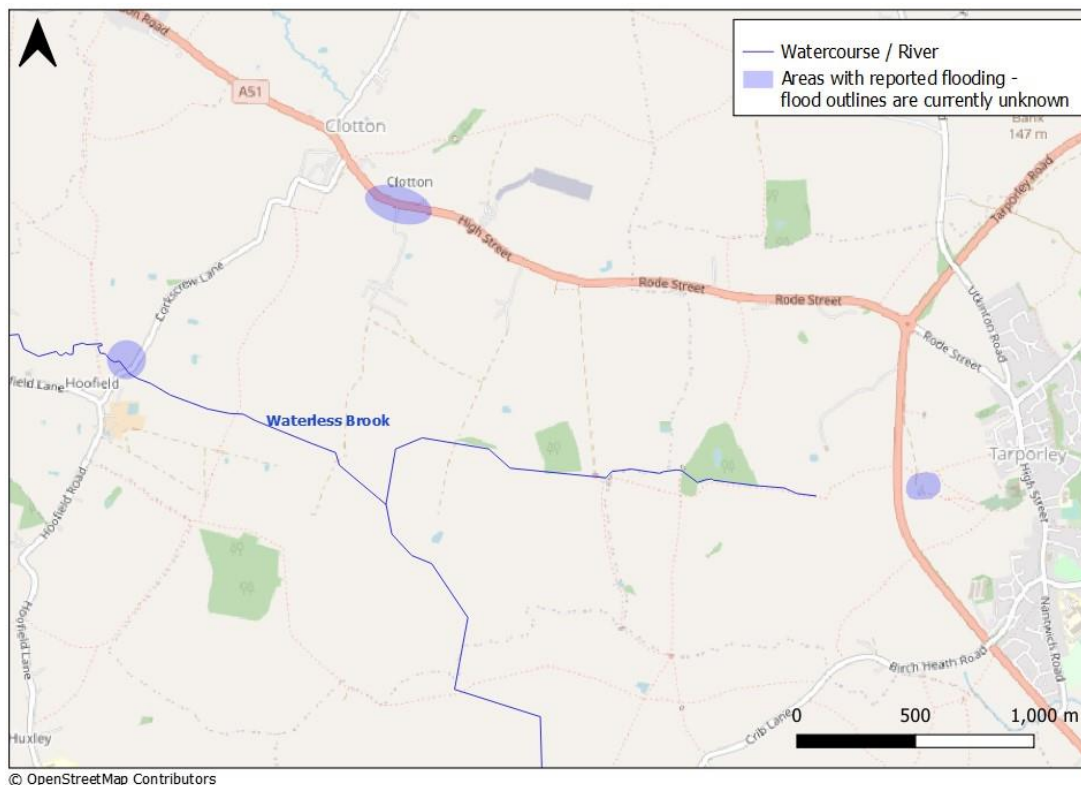


Figure 1 - Flood overview

2.1. Area Summary

Key statistics of the Storm Christoph Flooding in Tarporley 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
5	0	0	3	3	0	As reported to CWaC prior to publishing

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

Table 2 – Tarporley

Tarporley	
Date	<ul style="list-style-type: none"> 20th January 2021
Affected Roads	<ul style="list-style-type: none"> Corkscrew Lane, High Street, Moss Lane
Flood Alert / warning issued?	<ul style="list-style-type: none"> n/a
Flooding Impacts and Observations	<ul style="list-style-type: none"> Property damage Risk to life 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"> Property owners do what they can to protect their own properties Residents decide whether to evacuate based on flood alerts, forecasts and communication with the EA via their community contact.

The following actions were undertaken prior to the completion of the interim report.

- CWaC, as LLFA, has undertaken a site visit to property on Moss Lane to discuss the source of external flooding

3. RMA Response

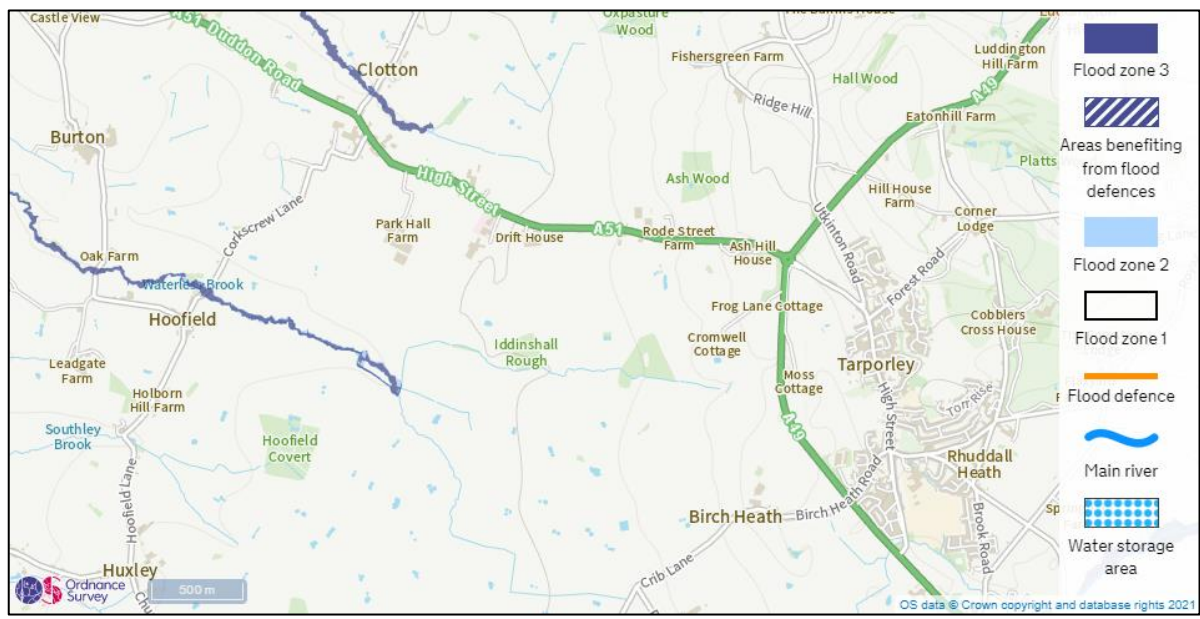
This section outlines the RMA response to the flood event and identifies area for improvement of flood risk management within the CWaC administrative boundary. Consultations have been undertaken with the participating RMAs, local residents and business owners to inform this assessment.

- CWaC, as LLFA, has had limited contact with affected residents in and around the Tarporley area. Residents allege that the highway system became overwhelmed with the quantity of flow and that a lack of maintenance contributed
- The FloodHub has been promoted at several engagement events and at site visits with affected residents. A link is also included from the Flood pages of the CWaC website.

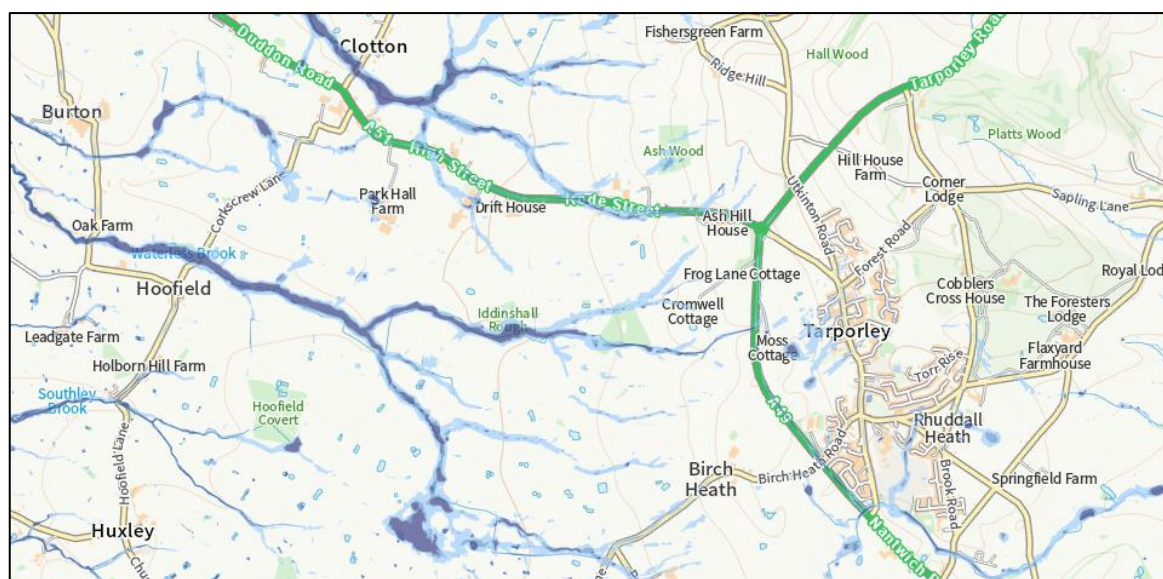
4. Recommended Actions

- A site inspection will be carried out to check the condition of the highway drainage system in the area.
- Support affected residents explore property protection measures.
- A drainage scheme is to be investigated on Corkscrew Lane to alleviate long standing road drainage issues.

Appendix I - Map



Source: EA



Extent of flooding from surface water

- High
- Medium
- Low
- Very low

Source: EA

Appendix II – Timeline

Time	Tarporley
20 th Jan	Water rose during the afternoon
20 th Jan approx. 19:30	A car parked on private land at Moss Cottage on Moss Lane was flooded