

# Environment and Regeneration Overview and Scrutiny Committee

## Agenda

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**Date:** Monday, 21st September, 2020  
**Time:** 10.00 am  
**Venue:** Committee Suite 1,2 & 3, Westfields, Middlewich Road,  
Sandbach CW11 1HZ

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The agenda is divided into 2 parts. Part 1 is taken in the presence of the public and press. Part 2 items will be considered in the absence of the public and press for the reasons indicated on the agenda and at the foot of each report.

It should be noted that Part 1 items of Cheshire East Council decision making meetings are audio recorded and the recordings are uploaded to the Council's website

### **PART 1 – MATTERS TO BE CONSIDERED WITH THE PUBLIC AND PRESS PRESENT**

#### **1. Apologies for Absence**

To receive any apologies for absence.

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**Contact:** Helen Davies  
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2. **Minutes of the Previous Meeting** (Pages 3 - 16)

To give consideration to the minutes of the meetings held on:

15 June 2020; and 16 March 2020.

3. **Declarations of Interest**

To provide an opportunity for Members and Officers to declare any disclosable pecuniary and non-pecuniary interests in any item on the agenda.

4. **Whipping Declarations**

To provide an opportunity for Members to declare the existence of a party whip in relation to any item on the agenda.

5. **Public Speaking/Open Session**

A total period of 15 minutes is allocated for members of the public to make a statement(s) on any matter that falls within the remit of the Committee.

Individual members of the public may speak for up to 5 minutes, but the Chairman will decide how the period of time allocated for public speaking will be apportioned, where there are a number of speakers.

Note: In order for officers to undertake any background research, it would be helpful if members of the public contacted the Scrutiny officer listed at the foot of the agenda, at least one working day before the meeting to provide brief details of the matter to be covered.

6. **Highway Drainage and Flood Risk Management (including a Flood Investigation- Poynton 2019)** (Pages 17 - 92)

To receive a report and presentation on:

- highway drainage including the process for cleaning gullies;
- statutory report in relation to the requirements of Section 19 of the Flood and Water Management Act 2010, relating to the 2019 flooding in Poynton; and
- the Council's annual flood risk management arrangements.

7. **Forward Plan** (Pages 93 - 108)

To give consideration to the areas of the forward plan which fall within the remit of the Committee.

8. **Work Programme** (Pages 109 - 116)

To give consideration to the Work Programme.

**CHESHIRE EAST COUNCIL****Minutes of a meeting of the Environment and Regeneration Overview and Scrutiny Committee**

held on Monday, 15th June, 2020 at Virtual Meeting

**PRESENT**

Councillor JP Findlow (Chairman)  
Councillor Q Abel (Vice-Chairman)

Councillors L Braithwaite, S Brookfield, J Buckley, T Dean, A Farrall,  
P Groves, D Jefferay, C Leach and K Parkinson

**Apologies**

Councillors M Hunter

**1 ALSO PRESENT**

Councillor Laura Crane – Cabinet Member for Highways and Waste  
Council Sam Corcoran – Leader of the Council

Frank Jordan - Executive Director - Place

Paul Bayley - Director of Environment and Neighbourhood Services

Peter Skates - Director of Growth & Enterprise

Karen Carsberg - Head of Housing

Councillor Michael Beanland

Councillor Lesley Smetham

Councillor Rachel Bailey

Councillor Janet Clowes

**2 MINUTES OF THE PREVIOUS MEETING**

It was noted that the minutes of the meeting held on 13 March 2020 were incomplete.

**RESOLVED** -That the minutes of the meeting held on 16 March 2020 be re-submitted to the next meeting of the committee for formal approval, subject to the following amendments:

Councillor Suzanne Brookfield's apologies be listed

Councillor Steve Hogben being listed as a substitute member

Paragraph (iv) of minute 72 being amended to read:

'A consultation with members will be undertaken as agreed prior to the publication of the Bus Strategy'

### **3 DECLARATIONS OF INTEREST**

There were no declarations of interest.

### **4 DECLARATIONS OF A PARTY WHIP**

There were no declarations of the existence of a party whip.

### **5 PUBLIC SPEAKING/OPEN SESSION**

Sue Helliwell from Alsager attended the meeting and made a statement regarding item 7 on the agenda regarding the procurement of a housing framework and informed the committee that the document had omitted any reference to surplus land and local plan.

She stated that following the recent Cabinet decision, the responsibility for the strategy now rested with the Portfolio holder and officers and suggested that the matter should have been considered by this committee prior to the Cabinet decision.

### **6 COVID-19 RESPONSE**

Note: Visiting Member Councillor Lesley Smetham attended the meeting and addressed the Committee in respect of this matter.

The Committee considered a report of the Chief Executive which had been considered previously by Cabinet at its meeting held on 9 June 2020 which provided a summary of the Council's work in response to the current national and international public health emergency on COVID-19.

Frank Jordan Executive Director Place gave an additional presentation providing information specific to Environment and Regeneration Committee in terms of the work undertaken by the Council to maintain services, provide business support, support to transport and town centres and steps regarding recovery.

The Council had maintained many front-line services during lockdown such as waste collection services. Household waste recycling centres had been closed for a period but following government advice, these had now re-opened.

Elsewhere, Crematoria and cemeteries had remained open albeit with restrictions placed on the number of people allowed to attend services.



Parks and Recreational spaces had remained open except for Queens Park on the advice of the police. Tatton Park had also remained closed as this was designated a destination attraction and social distancing could not be guaranteed.

Libraries and leisure centres had remained closed.

The Council had distributed 80% of business grants allocated to the Council by HM Government which for Cheshire East amounted to £4.287 million.

Today's meeting had coincided with the re-opening of high streets. The Council had worked closely with all town and parish councils to install new signage in each town offering advice about social distancing etc.

The Council was now entering the recovery stage and planning to begin to open facilities such as libraries and leisure centres. In the longer term, the Council would play a leading role in supporting economic recovery.

The Council would also wish to take advantage of the benefits attributed to reductions in traffic during lockdown and the environmental gains from reduced carbon footprint and reduced use of buildings etc.

RESOLVED That the thanks and appreciation of this committee be placed on record for the efforts of staff within the place directorate and this be conveyed to the staff concerned.

## **7 PROCUREMENT OF A HOUSING FRAMEWORK**

Note: Visiting Members Councillor Rachel Bailey, Janet Clowes, Michael Beanland Brian Puddicombe and Lesley Smetham attended the meeting and addressed the committee in respect of this matter.

The Committee considered a report of the Executive Director of Place which had been considered by Cabinet on 5 May 2020 which proposed the procurement of a Housing Development Framework.

Peter Skates Director of Growth & Enterprise and Karen Carsberg Head of Housing supplemented the report by providing a presentation

The Committee was informed that the Framework would applied to land in the ownership of Cheshire East Council. It did not apply to land in Private or Third-party ownership and sought to provide a mechanism to flexibly bring forward development that met local need.

The framework related to land which was already owned by the Council and allocated in the local plan but would still require full planning permission.

The procurement of the Framework would take six to eight months to complete.

The committee raised concern that the report had not been submitted to this committee for scrutiny prior to the Cabinet decision in May 2020.

RESOLVED -That In view of the concerns expressed by this committee about the production of the Housing Development Framework, a further report be brought back to this committee to explain how the document will be developed for implementation.

## **8 ADJOURNMENT OF MEETING**

Meeting adjourned for five minutes and reconvened at 12.20pm

## **9 CLEANER, GREENER CREWE**

Note: The Leader of the Council, Councillor Sam Corcoran and visiting Member Councillor Janet Clowes, attended the meeting and addressed the committee in respect of this matter.

Paul Bayley, Director of Environment and Neighbourhood Services gave a presentation on the business improvement project initiated in Crewe in December 2019 to review waste management issues in specified neighbourhoods in Crewe. The project emanated from an original task and finish group initiated by this committee to investigate fly tipping in Crewe.

A monitoring group set up by the portfolio Holder for Environment had identified that 70% of fly tipping incidents occurred in Crewe and of those, 75% were attributed to 14 specific streets.

RESOLVED – That the presentation be received and noted.

## **10 ADJOURNMENT OF MEETING**

Meeting adjourned for 2 minutes and reconvened at 12.55pm

## **11 FORWARD PLAN**

The Committee considered the current forward plan.

## **12 WORK PROGRAMME**

Visiting Member Councillor Michael Beanland, attended the meeting and addressed the committee in respect of this matter.

Councillor Beanland suggested that flooding should feature in the Committee's work programme to review recent flooding events in Poynton. He also sought clarification as to when a report on CCTV in Adlington would be available.

The Executive Director of Place undertook to provide a written response to the question regarding CCTV in Adlington.

REWSOLVED –

- (a) That the report be received;
- (b) (b) That the annual review of flood risk management be added to the work programme with a view to a report being considered in September 2020.

The meeting commenced at 10.00 am and concluded at 1.45 pm

Councillor JP Findlow (Chairman)

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## **CHESHIRE EAST COUNCIL**

### **Minutes of a meeting of the Environment and Regeneration Overview and Scrutiny Committee**

held on Monday, 16th March, 2020 at Committee Suite 1,2 & 3, Westfields,  
Middlewich Road, Sandbach CW11 1HZ

### **PRESENT**

Councillor JP Findlow (Chairman)  
Councillor M Hunter (Vice-Chairman)

Councillors S Akers Smith, L Braithwaite, J Buckley, T Dean, A Farrall,  
P Groves, S Hogben, C Leach and K Parkinson

In attendance

Councillor C Browne-Deputy Leader of the Council  
Councillor L Crane-Portfolio Holder for Highways and Waste  
Councillor N Mannion-Portfolio Holder for Environment and Regeneration  
J Bakewell-Director of Governance and Compliance  
P Bayley-Director of Environment and Neighbourhood Services  
G Bubb-Transport Manager, TSS  
M Davenhill-Contract Asset Manager  
S Davies-Operations Manager, Maintenance and Localities  
R Hibbert-Interim Head of Transport  
C Hindle-Head of Infrastructure  
R Kemp-Head of Environmental Services  
A Ross-Director of Highways & Infrastructure  
P Skates- Director of Growth & Enterprise

Visiting Councillors

Councillor D Brown  
Councillor J Clowes  
Councillor S Corcoran  
Councillor H Faddes  
Councillor A Gage

Prior to the start of the meeting the Chairman asked for clarification regarding meetings in the current crisis and what if any advice was there in relation to Coronavirus for Members and the public.

The Director of Governance and Compliance advised that

### **66 APOLOGIES FOR ABSENCE**

Apologies for absence were received from Councillors S Brookfield and D Jefferay.

## **67 MINUTES OF THE PREVIOUS MEETING**

### **RESOLVED**

That the minutes of the meeting held on 10 February 2020 be approved as a correct record and signed by the Chairman subject to the deletion of Councillor L Crane as Vice Chairman and replaced with Councillor M Hunter and subject to it being noted that Councillor S Hogben was a substitute.

## **68 DECLARATIONS OF INTEREST**

Councillor M Hunter declared a pecuniary interest in respect of item 8' Review of TSS Commissioning including Flexi-Link Service by virtue of the fact that he had recently been appointed as a Director of TSS. In accordance with the Code of Conduct he left the room prior to consideration of the item.

## **69 WHIPPING DECLARATIONS**

No declarations of a party whip were received.

## **70 PUBLIC SPEAKING/OPEN SESSION**

Two statements submitted by ADAPT and Gawsworth Parish Council were read out by the Democratic Services Officer.

The statement by ADAPT related to items 6 and 7 on the agenda. In respect of item 6 ADAPT's Transport Group wished to request reconsideration of the proposal to discontinue precautionary gritting on Coole Lane and Longhill Lane, near Audlem. With support from Cheshire East Council, the group had been progressing the development of a safer all-year cycle link between Audlem and Nantwich to enable connectivity with the Cheshire East cycle network, which was at the heart of Cheshire East's cycling strategy. Coole Lane was a key part of this route. Alongside this Longhill Lane was an integral part of the only bus service serving Audlem. Discontinuing the Winter gritting of these roads would reduce the practicality of sustainable travel options in the area under Winter conditions.

In respect of item 7, they were encouraged that the response had stimulated a comprehensive redraft of the policy but were concerned that the highlighting of Priority Actions with delivery dates did not appear in the latest draft. The removal of dates was at odds with one of the main acknowledged outcomes from the consultation, namely the call for greater urgency. The removal of the annual status reporting from the strategy was considered to be another step backwards in relation to the urgency of the matter which could potentially threaten the achievement of the 2025 carbon neutrality ambition. It was suggested that these points be addressed prior to adoption of the Strategy by the Council.

The statement submitted by Gawsworth Parish Council related to item 6 on the agenda. The Parish Council considered that the Well Managed Highway consultation was inadequate when it came to the decision to cut gritting routes. The Parish Council considered the consultation thoroughly but did not recall suggesting that routes would be cut from rural areas. It was felt that there should have been proper consultation with parish and town councils in advance of the decision to change gritting routes, and whilst the Parish Council were made

aware of proposals in late 2019 through the area highways group (and had lodged a request for meaningful engagement to understand the rationale behind changes) the council was not consulted. It was considered that for changes such as these, consultation with the parish and town councils was essential.

The Parish Council was also concerned that a number of roads were either not gritted or had been removed from the gritting schedule and urged the Council to reconsider the decision and undertake a meaningful consultation with parish and town councils to identify the most important gritting routes in their areas.

## **71 CALL IN OF CABINET DECISION-CE19/20-17 WELL MANAGED HIGHWAY INFRASTRUCTURE**

Consideration was given to the call in of Cabinet decision-CE19/20-17 Well Managed Highway Infrastructure.

The Chairman introduced the report. Councillor J Clowes who was the spokesperson then explained the reasons for the call in which focused on the adequacy of the consultation processes conducted prior to the Cabinet decision to approve the Well-Managed Highways Infrastructure Strategy and the impact on Cheshire East Highways Gritting Policies. In addition she raised concerns that information which should have been disseminated to partners in a more effective manner was not done so and therefore crucial information was not made available to Members and partners which included the availability of a grit bin policy and the Risk Assessment scoring criteria which determined which roads were to be gritted.

Councillor C Browne, the then Portfolio Holder at the time the decision was made outlined the reasons for the decision. He explained in detail the consultation processes which had been undertaken from 2018 to present as well as the legal and financial impact on the Council as a result of the delay in implementing the decision made by Cabinet back in February 2020. Councillor L Crane the current Portfolio Holder supported the case of Councillor C Browne stating that when she had been a Member of the Committee there had been no requests to rerun the consultation process at any point during the periods the Committee had considered the matter.

Members of the Committee then asked a number of questions of Councillor C Browne which were responded to relating to:-

- The consultation process with particular focus on the removal of gritting routes located near to primary and secondary schools and whether or not local Councillors should have had more involvement in the removal of these routes;
- General lack of local Member involvement in the consultation process;
- Lack of a single document containing the methodology;
- The £230,000 financial pressure within the place directorate;
- Further scope for Ward Councillors to challenge the scoring criteria which officers used and applied;
- The criteria for removing winter gritting routes;
- Cabinet Member awareness of on going consultations;
- Attendance at Area Highways Group and why Parish/Town Councils weren't invited;

- Possibility of holding further Area Highways Group meetings with invites to these meetings being extended to all schools and Parish/Town Councils to discuss the routes without going out to a full consultation.

Visiting Members, Councillors S Corcoran and D Brown attended the meeting and made a number of comments. Councillor Corcoran reiterated that each criteria had been assessed in detail and there had been no objections to the consultation process previously. In addition he stated that the Area Highways Groups had been given the opportunity to make comments and changes had been made as a result of the feedback.

Councillor M Simon, one of the call in Members then made a statement which reiterated the concerns of Councillor J Clowes stating the first she was aware of the consultation process was back in June 2019 which left only one week to feedback any comments before the consultation closed. She considered that local knowledge was vital and that Cabinet should be urged to contact all those Ward Councillors impacted by the reduction in gritting routes.

Further questions were then raised asking for clarification if there would there be a further delay should the Committee offered advice to Cabinet, how long the consultation process would take, how would it be undertaken if the call in was successful given the current situation with meetings being cancelled and would it be appropriate to make use of CHALC?

Councillor J Clowes confirmed she was happy to consider a streamlined consultation process, however she emphasised it was critical that people were aware that it was happening. She agreed that the link with the Area Highways Groups would help to satisfy the need for further consultation.

The matter was then opened up for debate. The Committee considered the two options available to them, which was to either offer no advice in which case the decision could be implemented, or offer advice, which would be submitted to Cabinet for a decision to be made on the matter.

Following consideration of the issues raised in the call in request, the responses given, Members felt it appropriate to offer the following advice to Cabinet:-

Given the delay already to implementing the policy there would be sufficient time for a further streamlined consultation process with the Area Highways Groups and Town/Parish Councils to be undertaken as part of the Well Managed Highways Infrastructure annual review process.

### **RESOLVED**

That Cabinet be advised to:-

- (1) To undertake a further round of streamlined consultation on the winter service element only as part of the annual review of the Well Managed Highways Infrastructure annual review process;
- (2) That this annual review process be carried out through the Area Highways Groups, including the involvement of all Parish and Town Councils and relevant community/cycle groups as appropriate, with supporting information to be supplied to the AHG's in advance of the meetings and shared with all schools;



(3) That a letter be sent to all schools within the Borough informing them of this additional round of consultation as part of the first annual review;

(4) That all schools be given an appropriate amount of time to respond to the consultation as part of the first annual review.

The meeting was adjourned for lunch from 12.20pm until 1.00pm).

## **72 ENVIRONMENT STRATEGY AND CARBON ACTION PLAN**

Consideration was given to a report on the Environment Strategy and Carbon Action Plan.

Members raised the following matters:-

- (i) Active travel/sustainable travel was not given sufficient consideration throughout the document.
- (ii) There was a lot to be welcomed from the strategy, however the Council could and possibly should do more, not least to have a chance of achieving carbon neutrality by 2025. Only two other Councils in the country had gone for a 2025 target date;
- (iii) The plan needed to be more specific on what the 'inset' actions were or would be;
- (iv) A consultation with Members would be undertaken as agreed prior to the publication of the Bus Strategy;
- (v) More needed to be done to support cycling around the Borough and making it safer. It was important to think cycle in everything that was done and opportunities had been missed to improve the cycling network Capital Funding might be needed to achieve this and currently there was insufficient money allocated in the Medium Term Financial Strategy, however for the Borough to be compliant by 2050 then further financial contributions would need to be included;
- (vi) There should at least be a timeline of what the Council was going to do in terms of projects up until 2025 and an annual review of where the Council was, what it had achieved, what it said it was going to do and what it hadn't done;
- (vii) No public electric charging points in Macclesfield and this needed addressing;
- (viii) The programme was too ambitious and the professional view was that a target date of 2025 was unachievable and that 2034 would be more realistic;
- (ix) Scheme or expo for electric cycles to be spearheaded by the Council or some other body;
- (x) The 2025 target would help the Council to focus;
- (xi) No reference to wildflower planting;
- (xii) Measures identified to contribute to a reduction in CO<sub>2</sub> levels, some good ideas but not specific enough;
- (xiii) Inclusion of a measure for the length of cycleways built each year;
- (xiv) Had a reduction in the frequency of roadside verge maintenance to promote wild flower growth been considered within the strategy;
- (xv) More pressure needed to be placed on central Government by local MPs with regard to the funding of electric buses.

**RESOLVED**

1. That the draft Environment Strategy and Carbon Action Plan be noted.
2. That the above comments be reported back to Cabinet for their consideration.

### **73 REVIEW OF TSS COMMISSIONING INCLUDING FLEXILINK SERVICE**

Consideration was given to a report on the delivery and performance of the FlexiLink service.

Visiting Councillor, Councillor H Faddes attended the meeting and spoke in respect of the FlexiLink Service with a specific request for the service to be increased.

Members queried when the bus strategy would be published and could they comment on it once it was made public. Concerns were raised that the service was limited to Cheshire East and that it was important to lobby MP's so that there was more cross boundary liaison whereby expanding the service out of the Borough could be looked at. It was suggested that the local MP's did meet regularly with the Leader and therefore this matter could be raised at one of their meetings.

The Deputy Leader suggested that the bus strategy and charging structure for cancellations was something that the Committee may wish to look at in the future. Currently users were not charged for cancelling the service on the day.

#### **RESOLVED**

That the report be noted.

(Prior to consideration of the following item the meeting was adjourned for a short break).

### **74 PERFORMANCE SCORECARD**

Consideration was given to the performance data for services within the Council's Place directorate for quarter 3 of 2019/20. Particular focus was given to any areas of poor or worsened performance.

In respect of Performance Indicator PEN024, concerns were raised that it was difficult to reconcile the target of 45% (which until it was explained appeared to be low) with the narrative.

95% of the Council's residual waste went to energy from waste. It was suggested it would be simpler for this KPI to be the % of residual household waste sent for energy recovery for which the target could then be 95%.

#### **RESOLVED**

That the performance scorecard be noted.

### **75 FORWARD PLAN**

Consideration was given to the areas of the Forward Plan which fell within the remit of the Committee.

**RESOLVED**

That the Forward Plan be noted.

**76 WORK PROGRAMME**

Consideration was given to the work programme.

It was agreed that the Bus Strategy and Charging structure for the Flexi-Link Service be included on the work programme.

**RESOLVED**

That the work programme be approved subject to the addition of the Bus Strategy and the Charging structure for the Flexi-Link service be included on the work programme.

The meeting commenced at 10.00 am and concluded at 2.43 pm

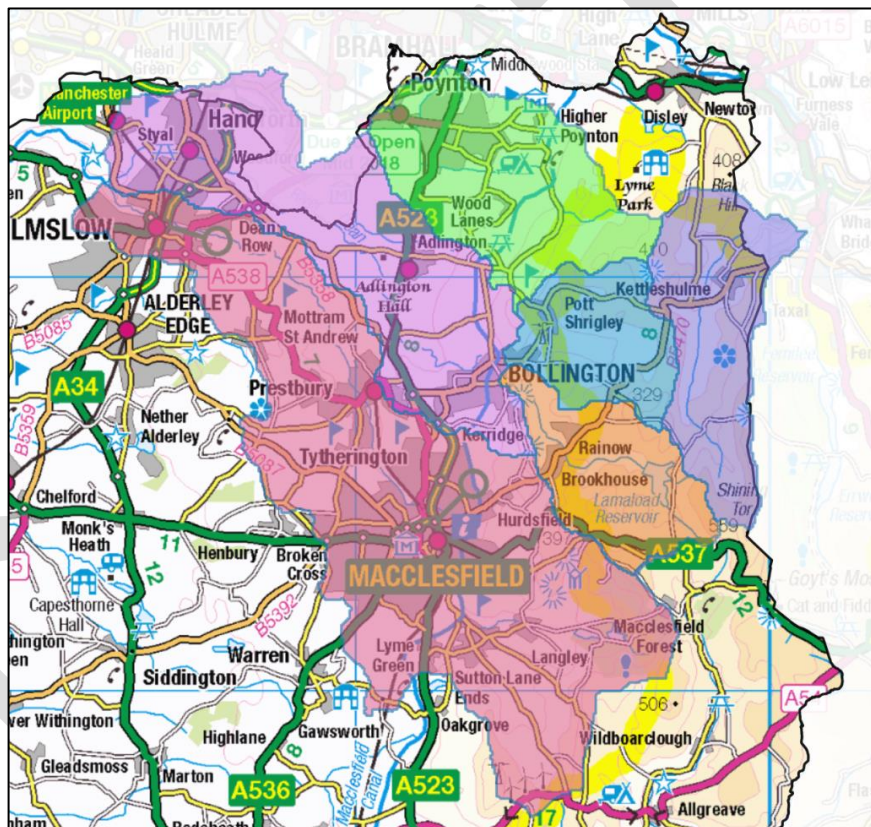
Councillor JP Findlow (Chairman)

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## S19 Flood Investigation Report

### July 2019 Flood Event



Flood Risk Management Team Cheshire East Council – Lead Local Flood Authority

Flood Date: 28-31/07/2019

Catchments of: Poynton Brook, River Dean, River Bollin, Harrop Brook and tributary of Todd Brook

Flood Investigation Reference Number: 2019/002

Version: Draft 6 – Council Review

OFFICIAL



## Disclaimer

Although every effort has been taken to ensure the accuracy of the information contained within the pages of this report, we cannot guarantee that the contents will always be current, accurate or complete.

This report has been prepared as part of Council's responsibilities under the Flood and Water Management Act (2010) as Lead Local Flood Authority (LLFA).

The findings of this report are based on a subjective assessment of the information available to those undertaking the investigation and therefore may not include all relevant information. Therefore it shouldn't be considered as a definitive assessment of all factors that may have triggered or contributed to the flood event.

The opinions, conclusions and any recommendations in this report are based on our assumptions when preparing this report, including, but not limited to those key assumptions noted in the reports, including reliance on information provided by third parties.

The Council expressly disclaims responsibility for any error in, or omission from, this report arising from or in connection with any of the assumptions made being incorrect. The opinions, conclusions and any recommendations in these reports are based on conditions encountered and information reviewed at the time of preparation and the Council expressly disclaims responsibility for any error in, or omission from, this report arising from or in connection with those opinions, conclusions and any recommendations.

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## Control and Distribution

### Revision schedule: 2019/002/001 Flood Investigation

Revision	Originator:	Approved by:	Approved by:	Approved by:
Date	<b>Name</b> Vicky Venn	<b>Name</b> Paul Reeves	<b>Name</b>	<b>Name</b>
	<b>Signature</b>	<b>Signature</b>	<b>Signature</b>	<b>Signature</b>
	<b>Position</b> Flood Risk Engineer	<b>Position</b> Flood Risk Manager	<b>Position</b>	<b>Position</b>
<b>Document Status:</b>				

This document is owned, maintained, and updated by the Flood Risk Team, Cheshire East Council.

All users are asked to advise the Flood Risk Team of any changes in circumstances or information that may materially affect this investigation.

Information should be sent to:

Flood Risk Team, Floor 6 Delamere House, Delamere Street, Crewe. Cheshire. CW11 2LL

Tel: 0300 123 5500 E-mail: [Flood.Investigation@cheshireEast.gov.uk](mailto:Flood.Investigation@cheshireEast.gov.uk)

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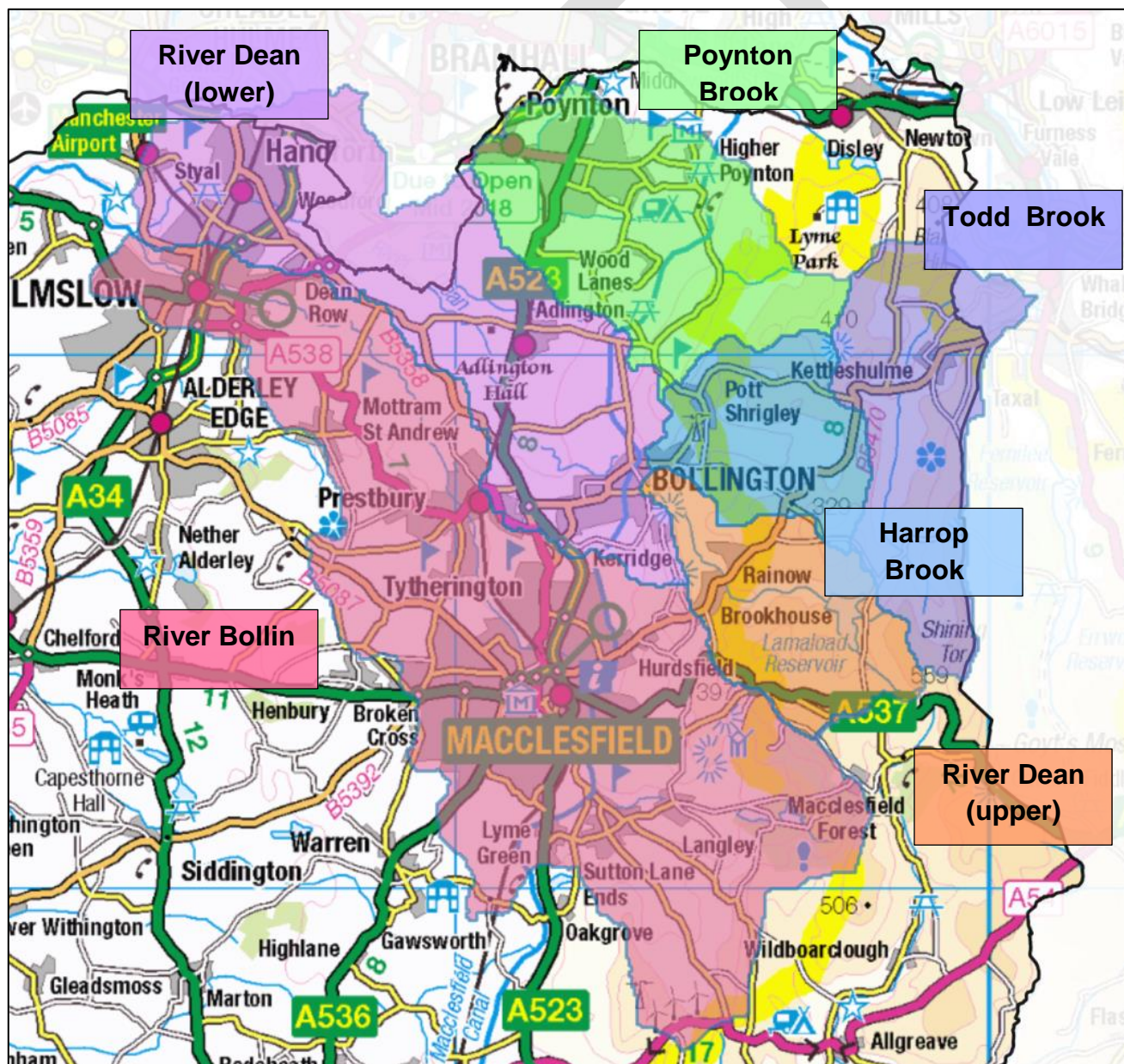
## 1 Introduction

### 1.1 Flooded Areas

The description of flooding and responses of individual Risk Management Authorities to the event are listed by catchment area. This scale was chosen as a result of the scale of this incident. Individual properties are not listed or identified in this study, to avoid property blight.

The report details flooding that has been reported to or by the flood risk management agencies; Cheshire East Council as Lead Local Flood Authority and Highways department, the Environment Agency, United Utilities, Cheshire Police and Cheshire Fire and Rescue. As category one and two responders' agreements are in place that allow the transfer of sensitive information, that other parties may not be able to share due to general data protection regulations (GDPR). This data will not be disclosed or shared with any other parties.

Figure 1 Affected River Catchments



## 1.2 Flood Risk

Detailed flood risk mapping is available online, hosted by the Environment Agency; they are available to the public and can be searched by either address or postcode. To understand the flood risks at your property please consult both surface water and fluvial flood risk maps.

Surface Water Flood Risk <https://flood-warning-information.service.gov.uk/long-term-flood-risk/map>

Fluvial Flood Risk <https://flood-warning-information.service.gov.uk/long-term-flood-risk/map>

Based on the latest research extreme weather events in the UK are likely to increase with rising temperatures, causing:

- heavier rainfall events – with increased risk of flooding
- higher sea levels – with larger storm waves putting a strain on the UK's coastal defences
- more and longer-lasting heat waves

<https://www.gov.uk/guidance/climate-change-explained>

## 1.3 Previous Flood Events

Flooding within the following locations have recently been reported:

**Table 1 Previous flood reports**

Catchment	Location	Year
Poynton Brook	Poynton	2019
Poynton Brook	Poynton	2016
Poynton Brook	Poynton	2011
Poynton Brook	Poynton	2010
Poynton Brook	Poynton	2002
Poynton Brook	Poynton	1994
Poynton Brook	Poynton	1976
Todd Brook	Kettleshulme	2019
Todd Brook	Kettleshulme	2011
Todd Brook	Kettleshulme	1989
Upper Bollin	Macclesfield	1872
Upper Bollin	Macclesfield	1882
River Bollin	Bollington, Wilmslow	2012
River Bollin	Princess Street, Bollington	2011
River Dean	Oldham Street, Bollington	1998

Following the 2016 flood event in Poynton a Section 19 report was published:

<https://www.cheshireEast.gov.uk/planning/flooding/floods-and-flood-risk/flood-investigations.aspx>

Details of the flood actions by the risk management authorities in response to the recommendations of this report have been shared with the community, Poynton Flood Action Group and Poynton Town Council at various meetings and at a public meeting held in Poynton Civic Hall 16<sup>th</sup> May 2019 (1pm – 7pm).



## 2 Legislative Background

### 2.1 Section 19 of the FWMA 2010

The Flood and Water Management Act 2010 (FWMA 2010) places a number of duties on Lead Local Flood Authorities (LLFAs) in relation to local flood risk management. One of the principal duties of the LLFAs, as laid out in the Act, is the responsibility to record and investigate flooding incidents within their area.

This document has been prepared by Cheshire East Council, as the Lead Local Flood Authority (LLFA) in the Cheshire East Borough for the specific purpose of meeting the requirements of Section 19 (1) and (2) of the Flood and Water Management Act (2010) which 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 have relevant flood risk management functions, and*
  - (b) whether each of those risk management authorities 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) it must—*
  - (a) publish the results of its investigation, and*
  - (b) notify any relevant risk management authorities.*

The Flood and Water Management Act 2010, will be referred to as “the Act” in the remainder of this document

### 2.2 CEC Local Flood Risk Management Strategy (LFRMS)

The LFRMS for Cheshire East sets out how the Council intends to manage risk from local sources of flooding. This includes how the Council will implement the number of legal duties and responsibilities placed upon them under the Act, including the duty to investigate and report on flooding incidents that occur in their area.

Based on the number of properties which suffered internal flooding and the impact on critical infrastructure (e.g. A roads, rail links, bridges etc), the flooding events in the reported locations are classified as ‘significant’ under local policy and require a full investigation.

A full copy of the document is available online at: [http://www.cheshireEast.gov.uk/highways\\_and\\_roads/highway-services/flood-risk-management/flood-risk-management.aspx](http://www.cheshireEast.gov.uk/highways_and_roads/highway-services/flood-risk-management/flood-risk-management.aspx)

## 2.3 Risk Management Authorities

The following organisations are defined as RMAs under the Act and have the following flood risk management functions. Table 2 lists each RMA and the source of flooding for which they take responsibility for.

**Table 2 Risk Management Authorities**

Flood Source	Environment Agency	LLFA	District/Unitary Council	Water Company	Highway Authority (Local & National)
Main River*	X				
Ordinary Watercourse*		X	X		
Surface water from highway					X
Surface water from other sources		X			
Sewer flooding				X	
The sea			X		
Groundwater flooding		X			
Water supply infrastructure				X	

\*Main Rivers have been designated as such by the Environment Agency. These tend to be major rivers or rivers with a high flood risk. Ordinary watercourses are all other rivers and streams not classified as a Main River.

### 2.3.1 Risk Management Authorities in Cheshire East

#### 2.3.2 Environment Agency

The Environment Agency (EA) has a strategic overview of all sources of flooding and coastal erosion (as defined in the Act). It is also responsible for flood and coastal erosion risk management activities on Main Rivers and the coast, regulating reservoir safety, and working in partnership with the Met Office to provide flood forecasts and warnings.

#### 2.3.3 Cheshire East Council

Cheshire East Council (CEC) has a joint risk management role in its capacity as unitary council, highway authority and LLFA. The Council as a highway authority has a duty under the Highways Act 1980 to maintain highways that are maintainable at public expense. This requires attention to the drainage requirements of the public highway. As Lead Local Flood Authority the Council has a number of duties and powers as laid out under the Flood and Water Management Act, 2010, in addition to the duty to investigate flooding; the LFRMS describes these in more detail. Cheshire East Council also takes an overseeing role to ensure that RMAs and landowners are fulfilling their responsibilities adequately.

#### **2.3.4 Highways England**

Highways England has responsibility as a highway authority for the motorways in Cheshire. It shares similar duties to flood risk management as Cheshire East Council has as a highway authority.

#### **2.3.5 Water Companies**

Water companies have a duty under Section 94 of the Water Industry Act 1991 to provide and maintain sewers for the drainage of buildings and associated paved areas within property boundaries. They are also now responsible for those private sewers and lateral drains covered by the 2011 Private Drains and Sewers act, which communicate with the public sewers.

United Utilities (UU) are the local regional water company covering the Poynton area, and the other affected catchments. With regards to local flood risk management, they are responsible for any flooding which is directly caused by its assets – i.e. its water or sewerage pipes, and must maintain a register of properties that have flooded due to hydraulic incapacity of the sewerage network, and have a duty to cooperate with other relevant authorities.

#### **2.3.6 Other Stakeholders**

Riparian landowners are those who own land adjoining or containing a watercourse (including culverted, underground watercourses). They have certain rights and responsibilities, including the maintenance of watercourses and assets within their ownership to ensure flood risks are not increased upstream or downstream of their land.

Residents who are concerned they may be at risk of flooding should take appropriate action to protect themselves and their property. These actions should include registering with the Environment Agency to receive flood warnings, obtaining a personal supply of sandbags, and moving valuable items to higher ground. Individuals should also consider more resilient and permanent property protection measures including water resistant doors, air brick covers, floodgates, raised electrical sockets and the fitting of non-return valves on pipes.

The Canal & River Trust are not a Risk Management Authority under the Flood and Water Management Act 2010. The responsibilities of the Canal and River Trust relate to its function as a navigation authority. It is not funded for flood risk management except in the context of maintaining the canals and their feeder streams, by-passes and discharge weirs fit for purpose.

### 3 28<sup>th</sup> - 31<sup>st</sup> July 2019 Weather Event

#### 3.1 Antecedent conditions

The following information has been used to help provide an overall picture of the conditions that led to the flooding events in Poynton, 31<sup>st</sup> July 2019:

- **Environment Agency (EA), Water Situation report, July 2019** - The EA issues monthly water situation reports for England, which provide an overview of various hydrological information including rainfall, soil moisture and river flows.
- **Centre for Ecology and Hydrology (CEH), Hydrological Summary report, July 2019** – The Centre for Ecology and Hydrology issues reports for the United Kingdom, which similar to the EA Water Situation Reports; provide analysis of various hydrological records for the month.

##### 3.1.1 Antecedent Rainfall

From mid-month, more unsettled weather followed under a south-westerly airflow, bringing further disruption to power and transport infrastructure from convective activity: on the 19th, in Aberdeen, Cheshire and south Wales; on the 24th/25th, affecting up to 20,000 properties in northern Britain; and on the 28th (e.g. 91mm at Rochdale in 24 hours to 9pm on the 28th), causing surface water flooding of properties and transport networks in Scotland and north-west England (CEH, July 2019).

Most significantly of all, on the 30th, persistent convective activity across the Peak District and Yorkshire Dales resulted in remarkable rainfall totals: 95mm at Old Spital Farm (58mm in 45 minutes) and 102mm at Arkle Town (82mm in 90 minutes). This caused severe disruption through surface water flooding of local road networks and landslides across railway lines in the Yorkshire Dales. Substantially above average July rainfall totals were recorded in northern England, the Midlands and much of Scotland, most notably in an area stretching through the southern Pennines, Cheshire (which recorded more than twice the July average) and the Midlands (CEH, July 2019).

July rainfall totals in the Mersey, Irwell and Cheshire Rivers Group catchments were the 6th highest on record (records assessed from 1891) and were classed as exceptionally high for the time of year (Water situation report EA, July 2019).

##### 3.1.2 Antecedent River Levels and Flows

River flooding on the 28th in localised parts of northern England was reported. The Mersey recorded its two highest July daily mean flows on record (in a series from 1976) on the 28th and 31st. Rivers across the southern Pennines also responded markedly to exceptional rainfall on the 30th, destroying an iconic bridge near Grinton (North Yorkshire). July mean flows were generally above normal in northern Scotland, Yorkshire and the East Midlands, and were particularly notable in parts of north-west England (more than twice the average on the Mersey) (CEH, July 2019).

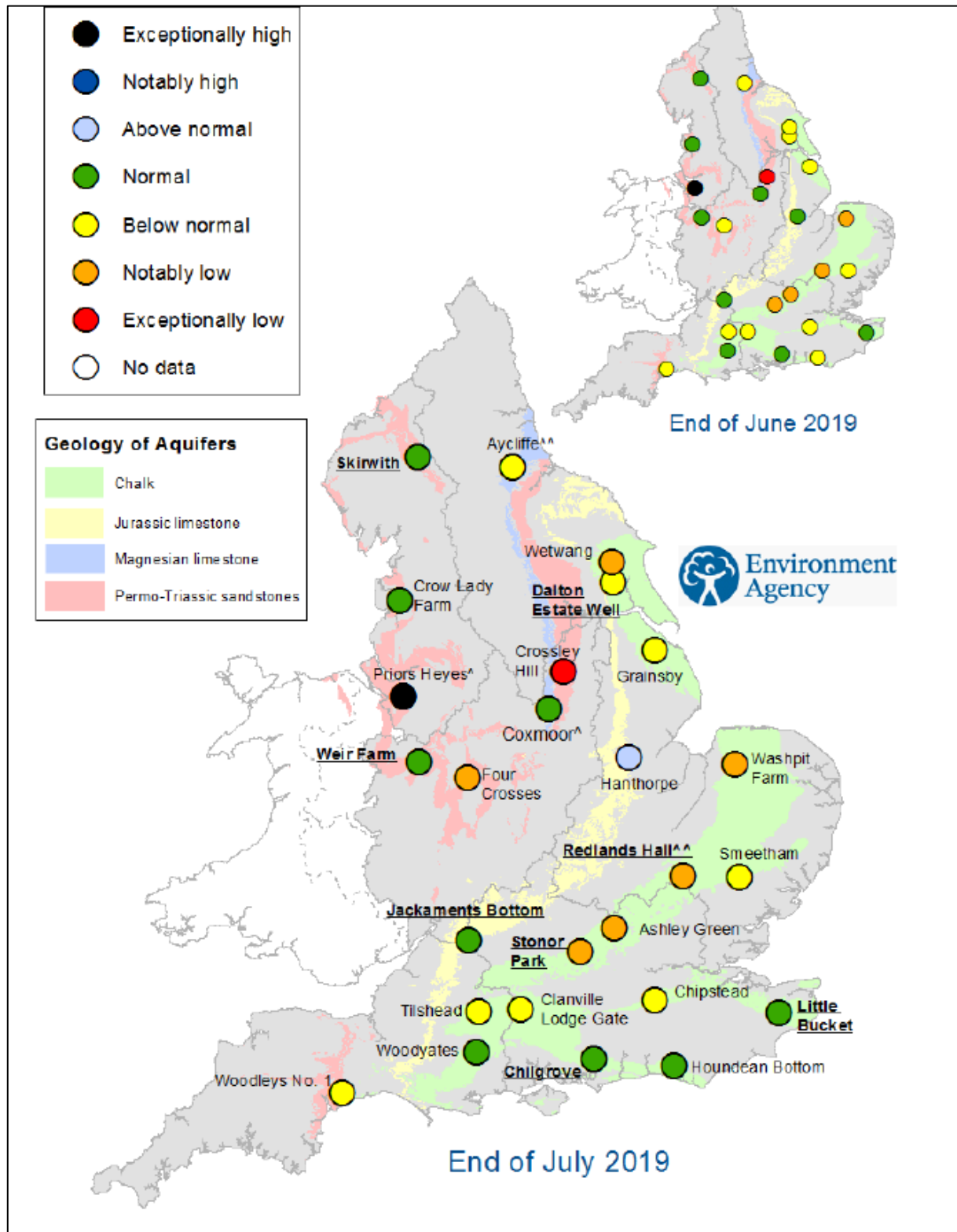
##### 3.1.3 Antecedent Soil Moisture deficient

Soils became wetter during July in north-west England and became drier in parts of southern and Eastern England, reflecting the spatial distribution of rainfall. By the end of July, soil moisture deficits (SMDs) were lower than average (soils were wetter than average) for the time of year across much of north-west, north-East and central England. Water situation report EA, July 2019) Across the North West SMD of  $\leq 10$ mm were reported. For summer, this figure is usually 100 or 200 mm. The low figure for the end of July indicates how saturated the ground was prior to the this flood event.



### 3.1.4 Antecedent Groundwater

Figure 2 Groundwater levels for indicator sites at the end of June 2019 and July 2019



<sup>^</sup> The level at Priors Heyes remains high compared to historic levels because the aquifer is recovering from the effects of historic abstraction

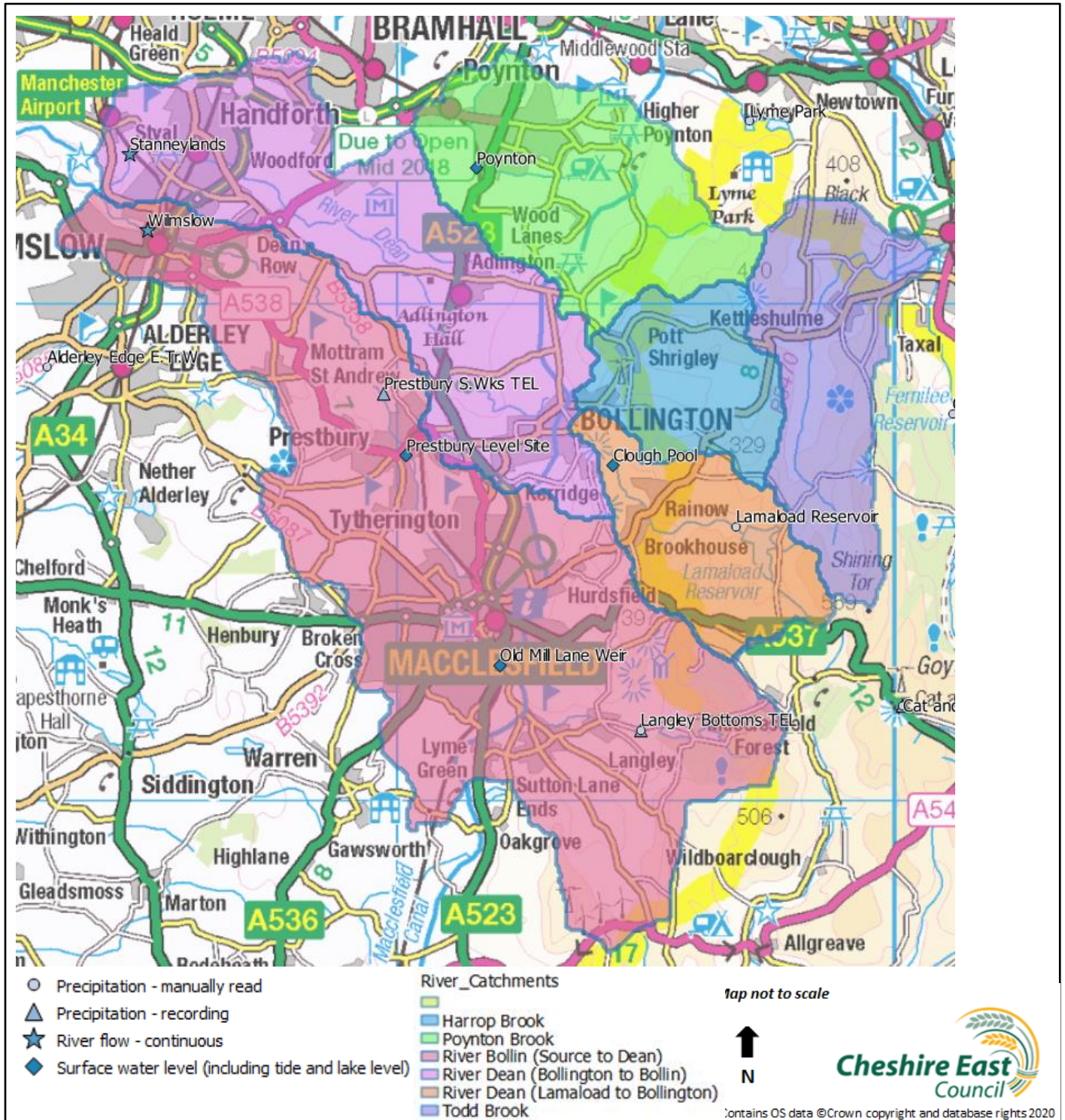
### 3.2 Recorded Event Data

Across the catchments a number of data sets are recorded, these include:

- Rainfall , both manually read and automated
- River level or surface water levels
- River flow

The location of the local catchment gauges are shown in the figure below.

**Figure 3 Location of Environment Agency Gauges**



### 3.2.1 Recorded Rainfall

Rainfall totals for the 27th – 31st July 2019 were recorded at the following locations:

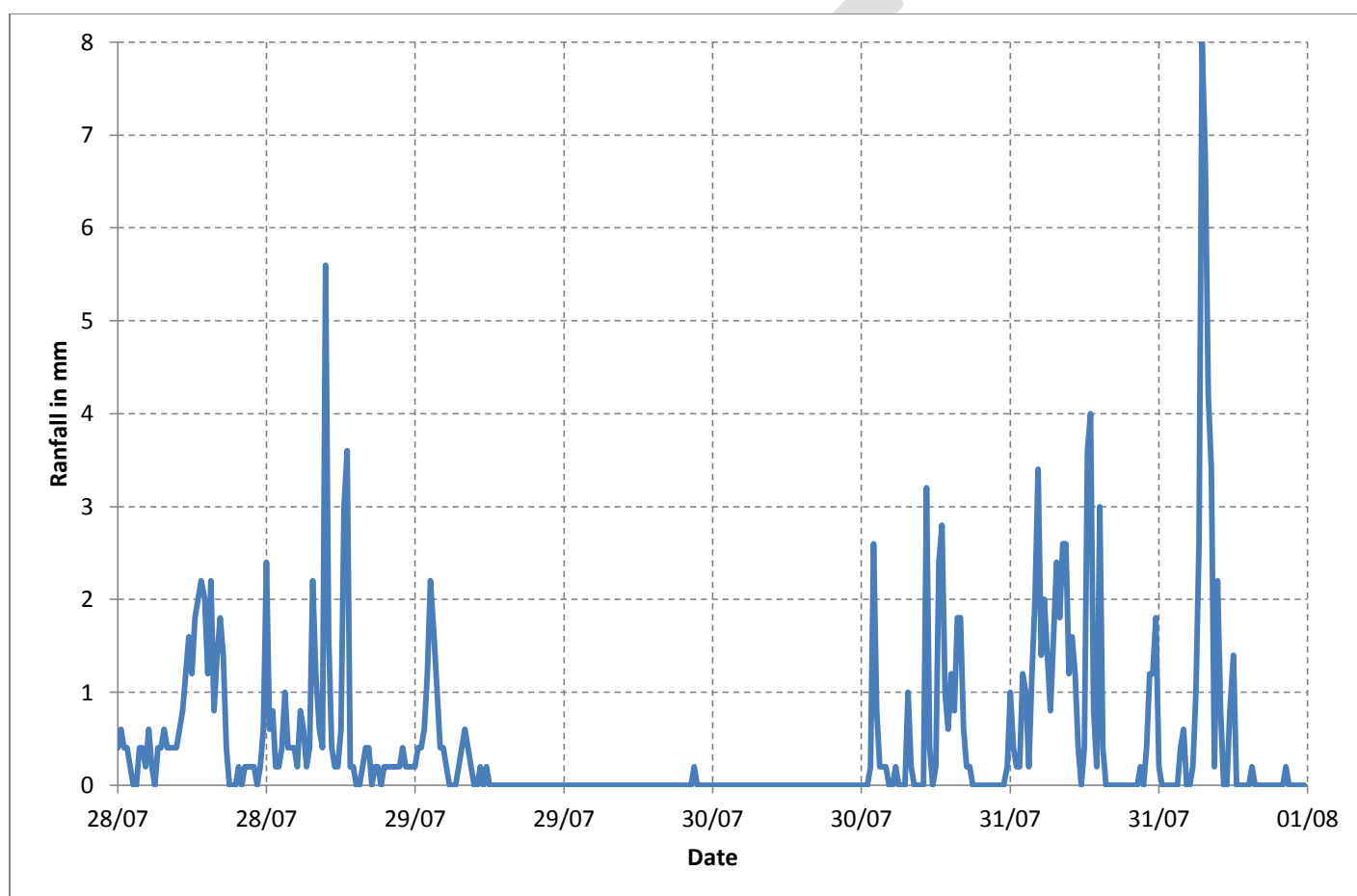
- 150mm at Hazel Grove
- 129mm at Prestbury WWTW\*
- 180mm at Cat & Fiddle
- 128mm Langley Bottoms

Based on long term averages, the monthly average rainfall expected during July would be between 70-80mm.

\*WWTW = Waste Water Treatment Works

The rainfall pattern is shown across the time period by the gauged record at the Cat and Fiddle, which shows the rainfall on the 27-28<sup>th</sup> July and 30-31<sup>st</sup> July, with a peak intensity of 30mm within an hour.

**Figure 4 Rainfall Recorded (mm) at Cat and Fiddle**



### 3.2.2 Calculation of reoccurrence interval

Rainfall events can be expressed as a probability or a return period, this is a statistical measure used to represent the magnitude of an event. For example the probability of a flood in any one year may be expressed as 1% Annual Exceedance Probability (AEP) or 1 in 100 year.

This does not mean that such a flood would occur every 100 years it is a statistical measure that suggest that in any given year, there is a 1% chance that it will happen, regardless of when the last similar event was. Or, put differently, it is 10 times less likely to occur than a flood with a 10% AEP or 1 in 10 years return period.

For this event the calculated return period across the catchments varies from approximately 0.5% AEP (1 in 200 year) for the Cat and Fiddle, 1.28% AEP (1 in 78 years) for Langley bottoms and 0.65% AEP (1 in 153 years) for Prestbury WWTW.



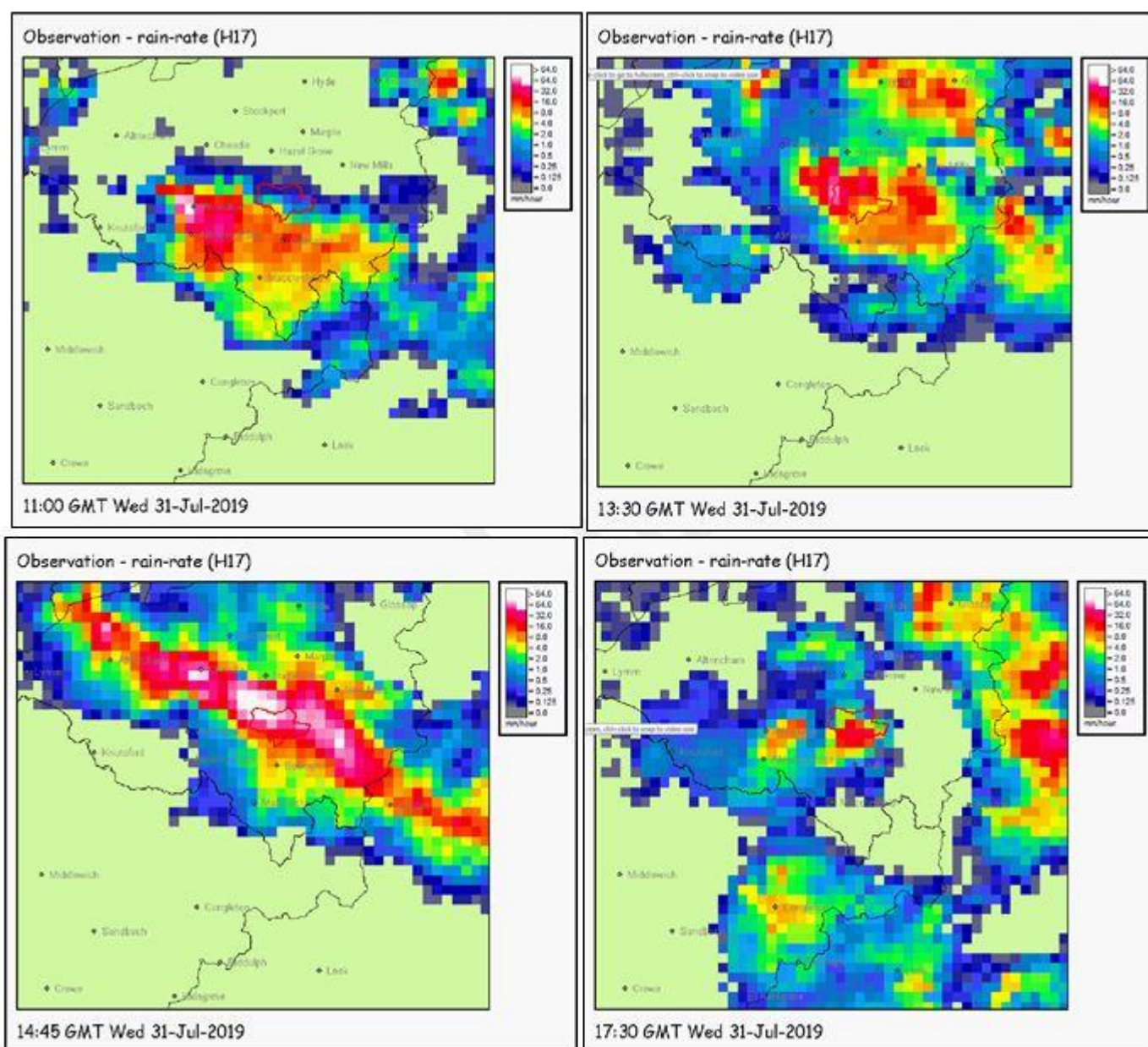
The variation in return period reflects where the most intense rain fell. The Cat and Fiddle gauge is just above the Todd Brook/Kettleshulme area.

### 3.2.3 Recorded Hyrad data

Rainfall Radar data is also reported as Hyrad data (Hyrad is a real-time record of radar and other hydro meteorological products)

The Hyrad images below show the storm on the 31<sup>st</sup> tracking across the catchments. The pink and white squares indicate areas where rainfall intensity is equal or greater than 32mm/hour.

**Figure 5 Hyrad data at times between 11am and 17:30 on Wednesday 31<sup>st</sup> July 2019**



*Images courtesy of the Environment Agency - ©Institute of Hydrology.*

### 3.3 Recorded River Levels

There are a number of gauges on Main Rivers which record the water level. This data is used by risk management authorities to monitor water levels in Main Rivers; this information may be used to trigger flood alerts or flood warnings, or remote gauges maybe used.

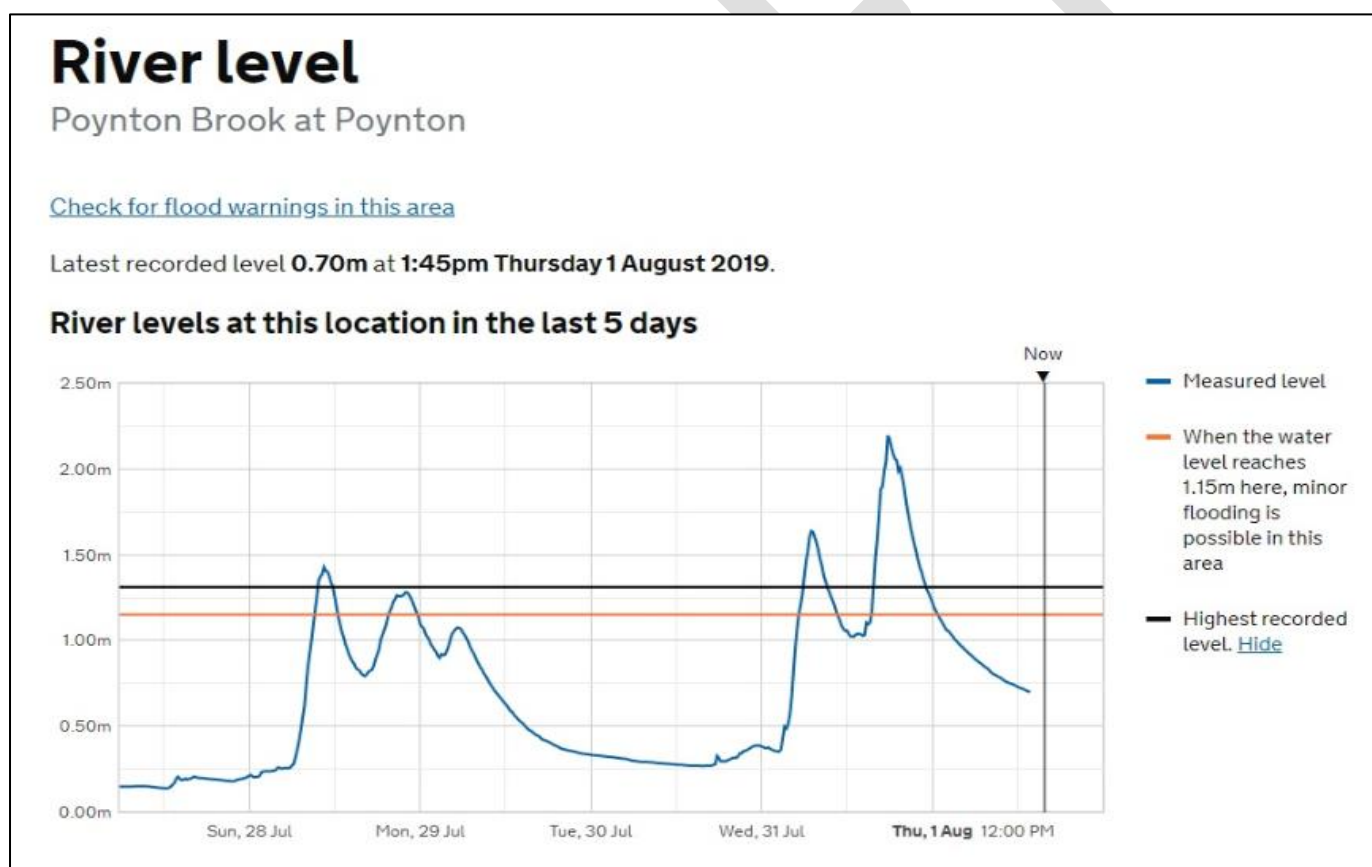
Local gauges are found at:

- Poynton Brook – Poynton brook near Midway
- River Dean – Clough Pool and Stanneylands
- River Bollin – Old Mill Lane, Prestbury and Wilmslow

There are no level gauges on the rivers on the Todd Brook or Harrop Brook catchments.

For the Poynton catchment a water level gauge is situated on Poynton Brook near midway at grid reference: 391600, 382718. Water levels at this gauge rose on Sunday 28<sup>th</sup> July following heavy rainfall, remaining elevated prior to further rain on Wednesday and Thursday. Records were broken on Thursday 31st July 2019 at 5:45pm when recorded river levels at Poynton Brook reached 2.195m, nearly a metre higher than the previous highest recorded on the 11th June 2016 (1.2m).

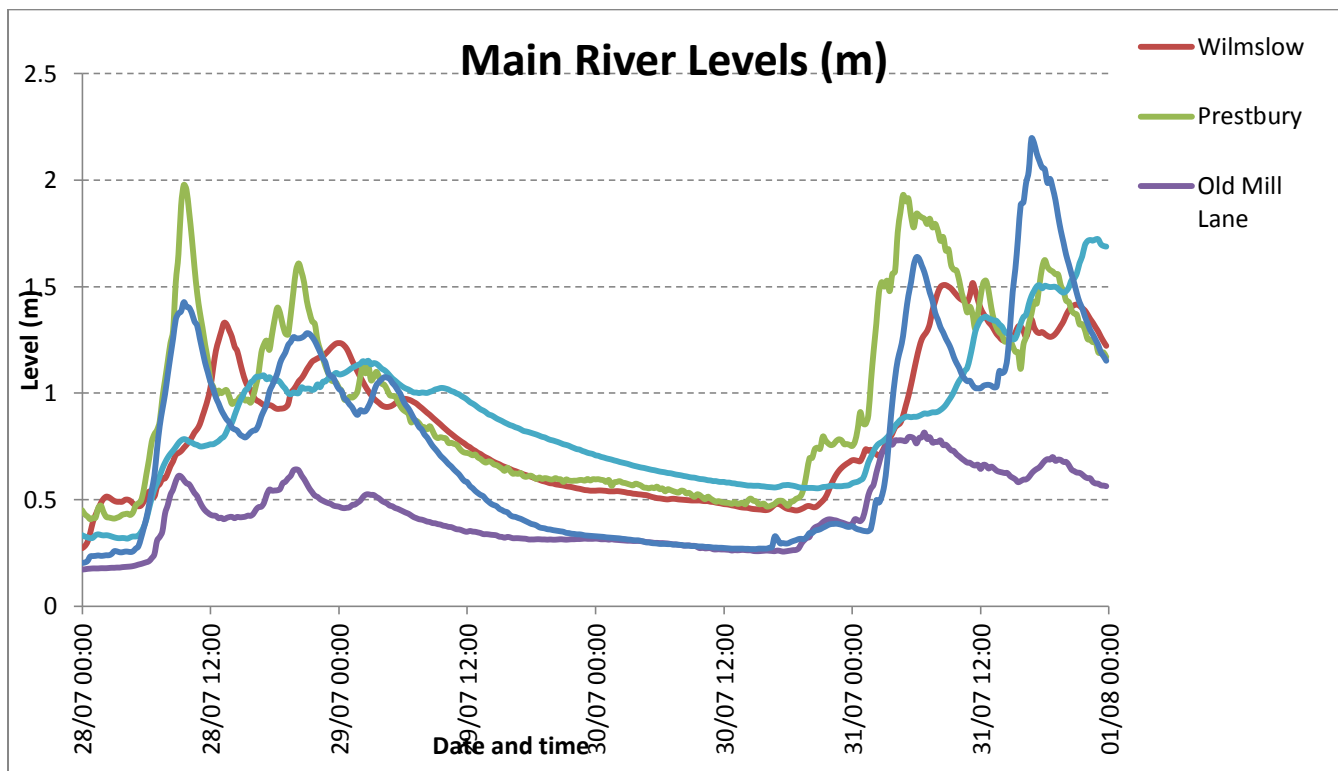
**Figure 6 Measured River Level at Poynton Brook**



Gauged water levels across the catchment show the rivers responses to this weather event.

The other river water level gauges all showed a similar pattern as the catchments responded to the rainfall event. The catchment responses will vary and dependant on the physical characteristics of the river catchment, barriers to flow, artificial drainage and any additional inflow/outflows to the system.

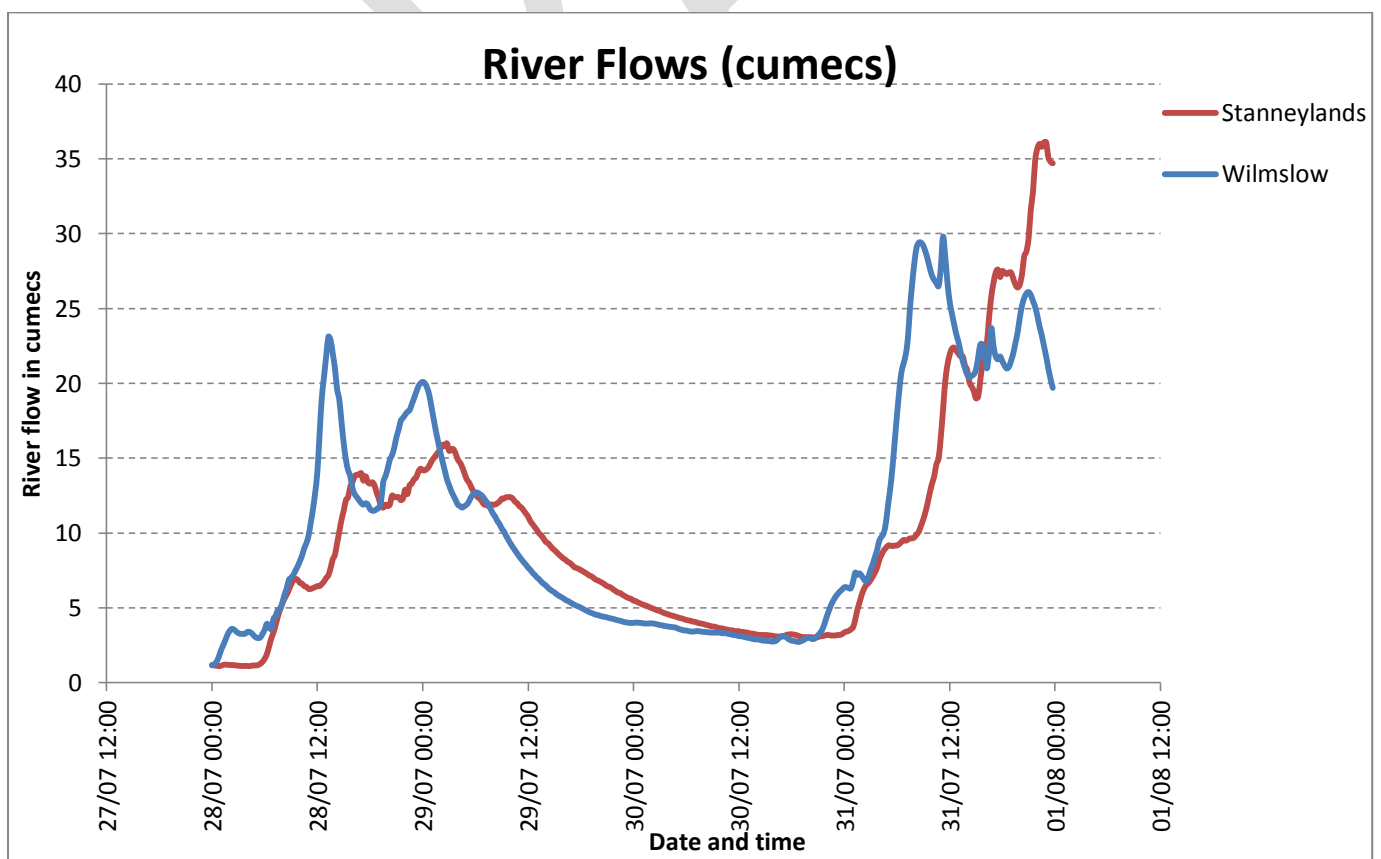
Figure 7 Main River levels (m)



### 3.4 Recorded River Flows

Across the catchments river flows are recorded on the River Dean at Stanneylands and River Bollin at Wilmslow. There are no flow gauges on the rivers on the Poynton Brook, Todd Brook or Harrop Brook catchments.

Figure 8 Main River Flows (cubic metres per second / cumecs)





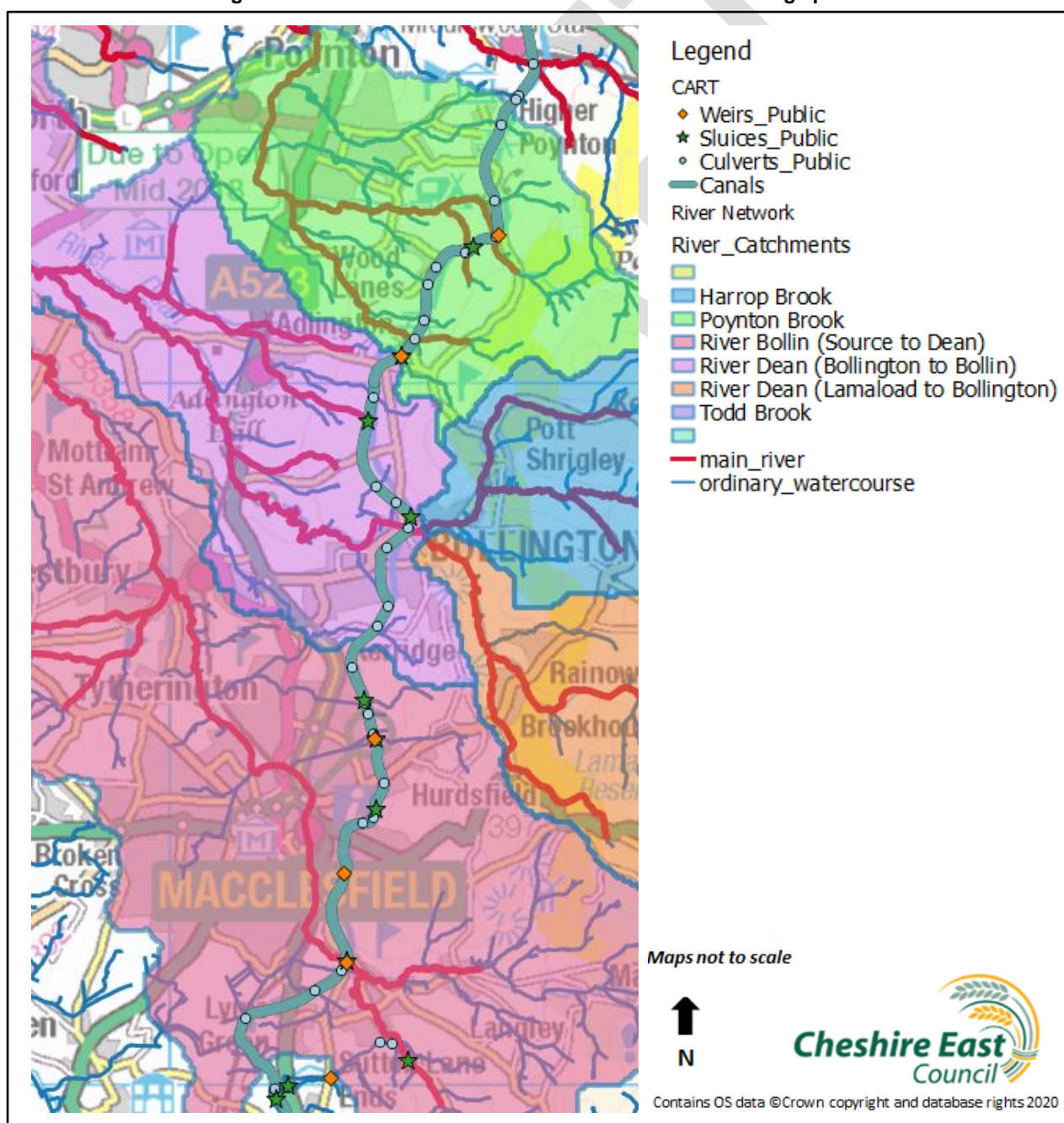
### 3.5 Canal Discharges

The canal network is managed by the Canal and River Trust. Canals are not designed or constructed to carry significant flood flows. The Macclesfield Canal runs from a junction with the Peak Forest Canal at Marple in the north, in a generally southerly direction, through the towns of Macclesfield and Congleton, to an end-on junction with the Hall Green Branch of the Trent and Mersey Canal. Four reservoirs feed water into the canal system.

Water levels are monitored at a number of locations. Trigger levels are set to prompt appropriate responses to fluctuations in water levels. During extreme events “Hi Hi” (Extreme high water trigger) or “Lo Lo” (Extreme low water trigger) levels result in the deployment of the duty staff to inspect and action as appropriate. Sluices are maintained along the canal that can be used as part of emergency responses. During the event 28th -31st July, no “Hi Hi” trigger levels were reached and no staff was deployed to site within Cheshire East, no sluices were opened.

When water levels in the canal are raised a number of static overflow weirs are located to allow excess water to flow from the system to maintain water levels. Weirs are located at: Redacre, Ryles Wood, Astrazeneca with the main flood weir located at Gurnett.

**Figure 9 Macclesfield Canal Interactions with natural drainage paths**



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### 3.6 Environment Agency Flood Warning Areas

These catchments are served by four Environment Agency flood warning areas:

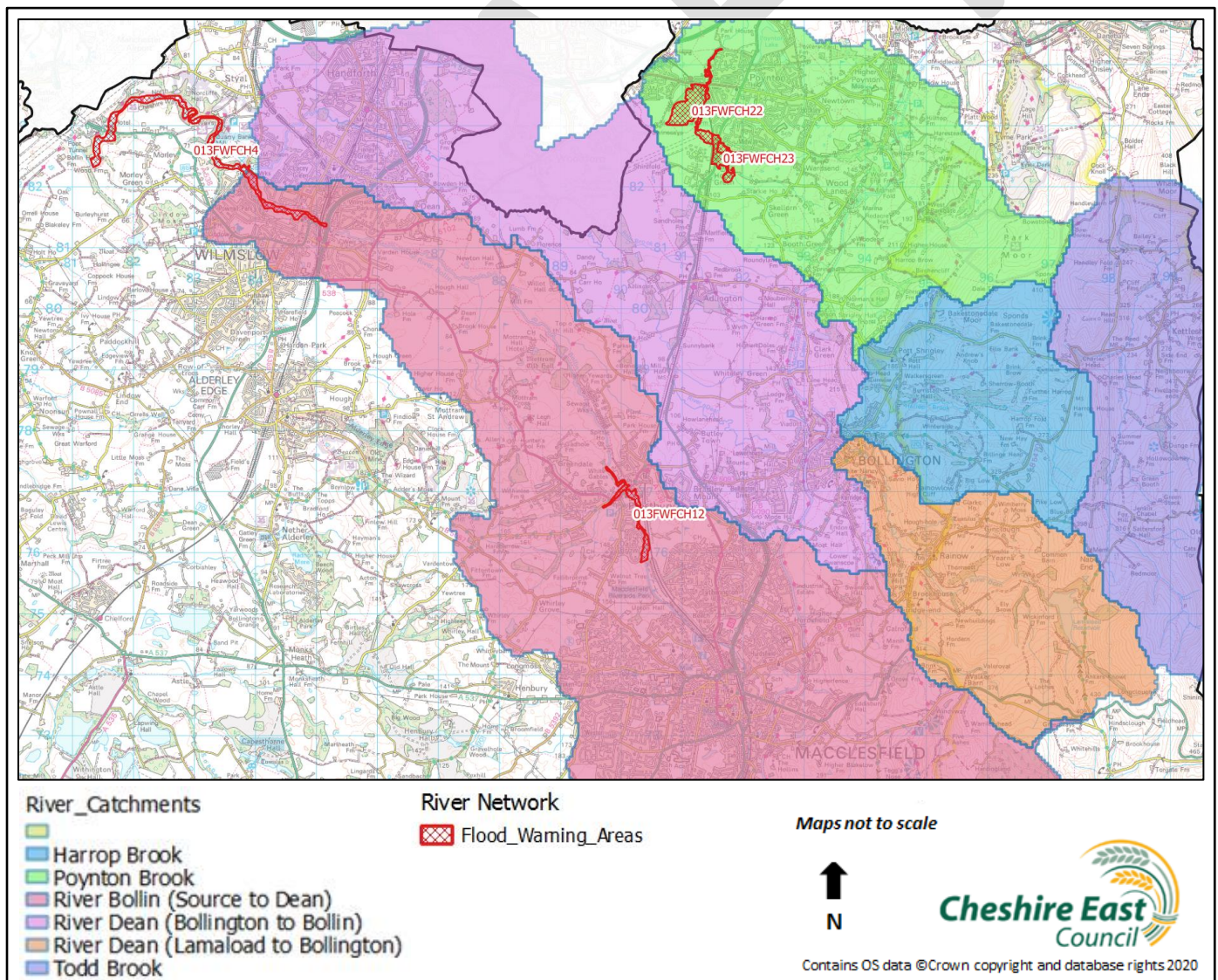
- River Bollin at Prestbury
- River Bollin at Wilmslow
- Poynton Brook at Wigwam Wood and parts of Armcon business park (013FWFCH22)
- Poynton Brook at Poynton and Midway (013FWFCH23)

Residents and/or businesses wishing to receive flood warnings can register online: <https://www.fws.environment-agency.gov.uk/app/olr/register> you do not need to live in the designated flood warning area to receive notification of flood warnings.

The river level at Poynton was above the Flood Warning level threshold for the first time since the installation of the river level gauge in 2008. Flood Warnings were issued prior to the thresholds being reached.

Flood warnings were issued for 013FWFCH22 at 10:20 on the Sunday 28th July and 06:21 on Wed 31st July. A Flood warning for 013FWFCH23 was issued at 18:05 on Wed 31st July.

**Figure 10 Flood Warning areas associated with River Bollin and Poynton Brook**



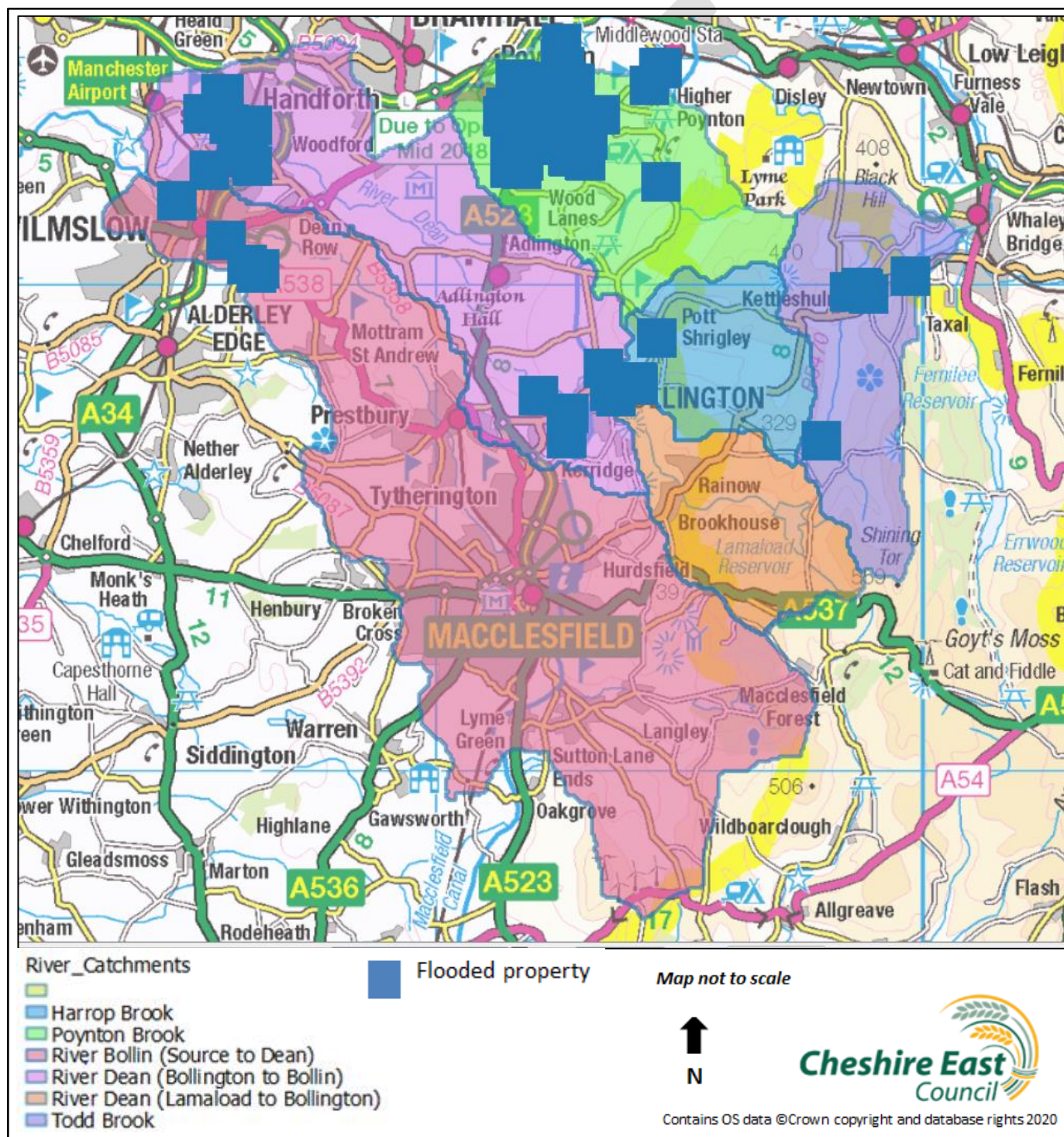


#### 4 28th- 31st July 2019 Flooding – Catchment responses

The blue squares on the map below shows the locations which reported experiencing internal property flooding to the LLFA, United Utilities or the Environment Agency (either residential or commercial) during the period of 28<sup>th</sup>-31<sup>st</sup> July 2019.

Data shared with other parties may have been cross referenced with this dataset, however due to data protection regulations cannot be shared without the home owner's prior permission.

Figure 11 Flooded Locations



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## 4.1 Poynton Brook Catchment

The image below shows the area that drains onto Poynton Brook. The catchment can be split into a number of sub-catchments; Booth Green Brook and Poynton Brook (both classified as Main River); and Park Lane Stream and Coppice Stream (both classified as Ordinary watercourse).

Figure 12 Indicative catchment of Poynton Brook

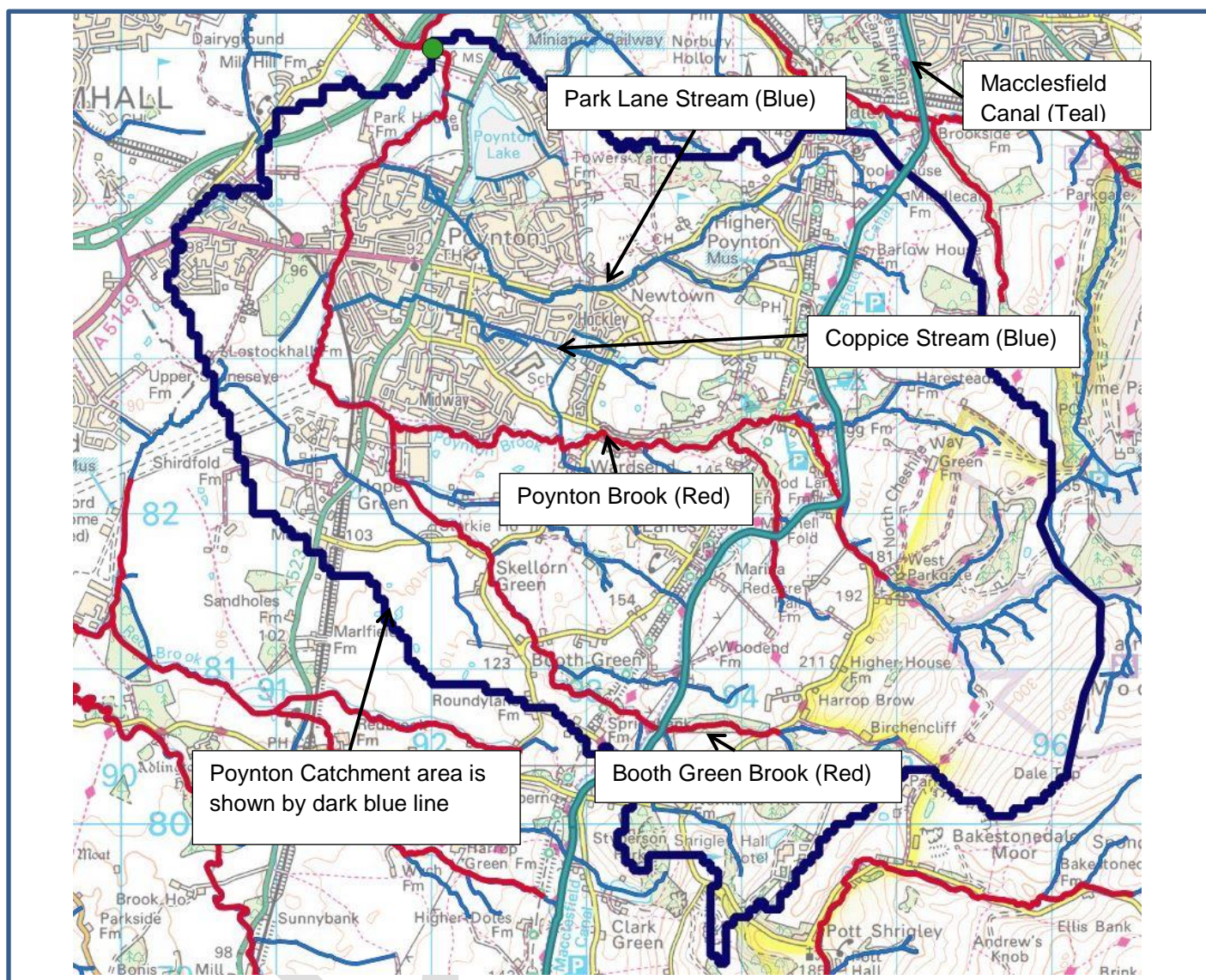


Table 3 Number of properties reported\* flooding in Poynton

No. of properties reported*	July 2019
Internal Flooding Residential**	78
Internal Flooding Businesses	8

\*formally reported to the Lead Local Flood Authority, Environment Agency and/or United Utilities

\*\* Internal flooding residential refers to reports of (internal property flooding, including integrated garages. This does not include: uninhabitable cellars, detached garages and gardens

#### **4.1.1 Summary description of surface water and sewer flooding in Poynton Brook catchment**

Foul water drains flow downstream, typically by gravity, to the sewerage treatment works at Davyhulme in Manchester. Surface water sewers will outfall where possible into watercourses, both Main River and ordinary watercourses, where this is not possible they will drain into combined sewers (foul and surface water sewers) which will flow downstream to the treatment works.

In addition many of the highways gullies which drain surface water from the highway discharge water into these surface water or combined sewers.

During heavy rainfall events, surface water sewers maybe prevented from discharging when river levels are elevated. In extreme events this may cause the surface water sewer pipes to fill with water and/or surcharge the network.

Although all running throughout, five United Utilities foul water pumping stations were overwhelmed during the event on the 31st July 2019, three directly affected by the backing up of river water, which introduced flow which exceeded the capacity of the pump stations during the event.

#### **4.1.2 Summary description of surface water and highway flooding in Poynton Brook catchment**

Gullies are designed to remove water from the highway, on adopted roads within Cheshire East they are the responsibility of Cheshire East Highways to maintain. In residential areas like Poynton, most highways gullies will drain into United Utilities surface water or combined sewers, in areas in which no surface water sewers exist then highways drains may exist that outfall to watercourses, surface water sewers, combined sewers or soakaways. Highways drains are designed and constructed to drain water falling directly on the highway, for more smaller, low return period storms.

During heavy rainfall events, highway drainage and surface water sewers maybe prevented from discharging when river levels are elevated. In extreme events this may cause the systems to fill with water and/or surcharge the network.

#### **4.1.3 Description of Main River flooding for Poynton Brook catchment (Booth Green and Poynton Brook)**

Poynton Brook is classified as a Main River, with approximately 20km<sup>2</sup> of land within its catchment area which drains along Booth Green Brook and Poynton Brook (both Main River), forming part of the upper River Mersey catchment. All rainwater that falls within the green shaded area above will naturally drain towards and through Poynton.

Prolonged rainfall over the Poynton catchment led to 150mm of rain falling over a 5 day period. This caused river levels in the Main Rivers (and ordinary watercourses) to rise in response to this. In addition, surface water drainage systems (including highway drainage and surface water sewers) also reached capacity and flowed downstream (overland) towards Poynton Brook.

The flood map zone 3, indicates the extent of flooding associated with a 1% AEP (1 in 100yr event). In some places this flow is within the main channel or more typically flows go out of bank on the 1% AEP flow.

The river levels gauge on Poynton Brook shows the rivers response to the rainfall over the 5 day period, exceeding trigger levels on the 28<sup>th</sup> July resulting in the Environment Agency issuing flood alerts and flood warnings. On the 31st July the river level rose again triggering the Environment Agency to issue a Flood Warning for Poynton Brook at Wigwam Wood and parts of Armcon business park and Poynton Brook at Poynton and Midway.

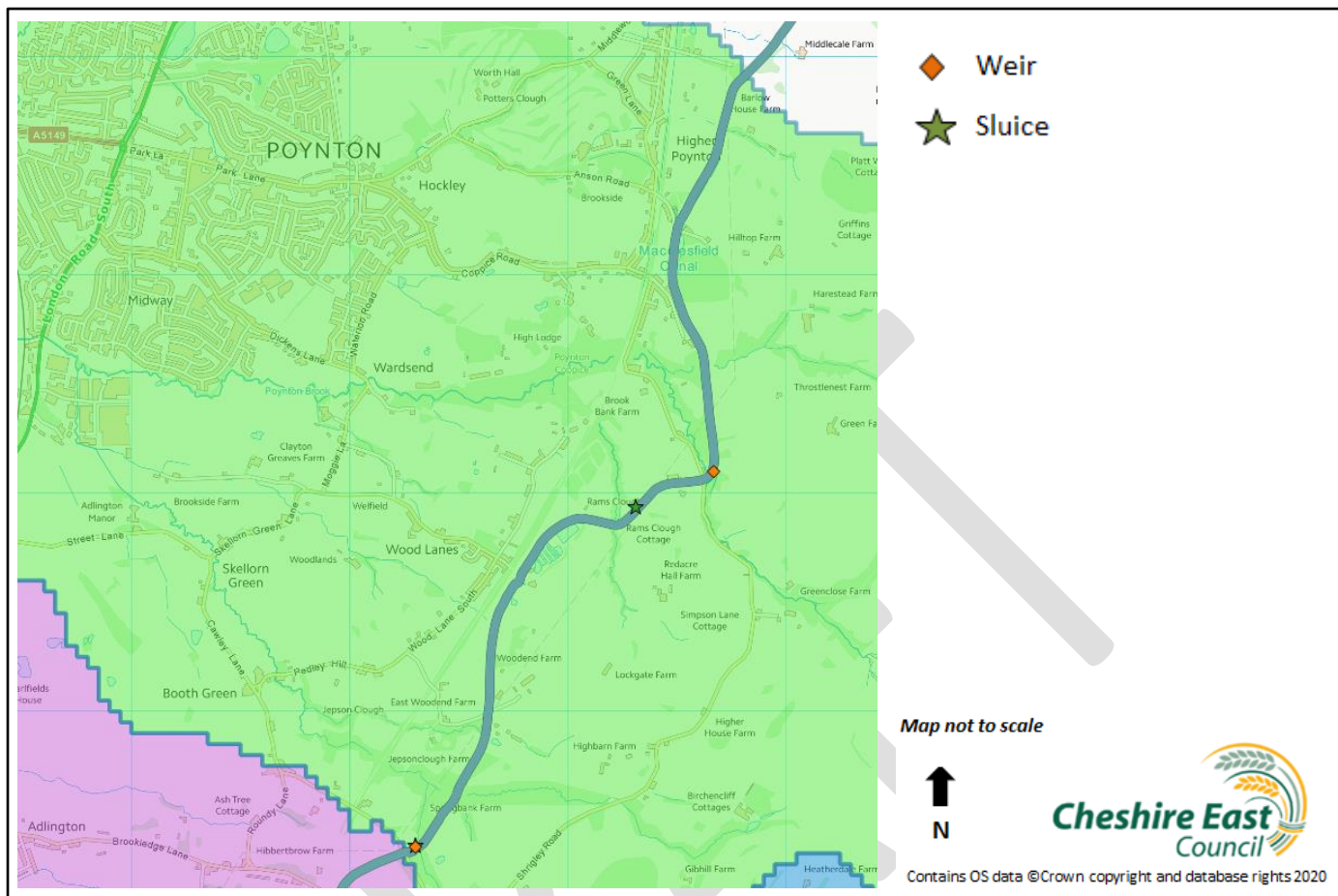
Records were broken on Thursday 31st July 2019 at 5:45pm when recorded river levels at Poynton Brook reached 2.195m, nearly a metre higher than those recorded on the previous flood event of 11th June 2016. (1.2m).

The Macclesfield Canal interacts with the watercourses via weirs near the aqueduct near Mitchell Fold and Ryles Wood and sluices at Rams Clough and Ryles Wood. The Canal and River trust report that no "Hi Hi" trigger levels



were reached and no staff were deployed to site within the Poynton catchment or any of the Cheshire East area, no sluices were opened.

**Figure 13 Canal Interactions with Poynton catchment**



Symbols weir: orange diamond, sluice: green star

#### **4.1.4 Description of flooding for Booth Green Brook (Main River, in Poynton Brook catchment)**

The tributary to Poynton Brook is Booth Green Brook, which is also classified as a Main River. Evidence suggests that there are three locations in the Armcon Industrial Estate at which water overtopped the watercourse at low spots in the banks, which align with the modelled floodplain of this area:

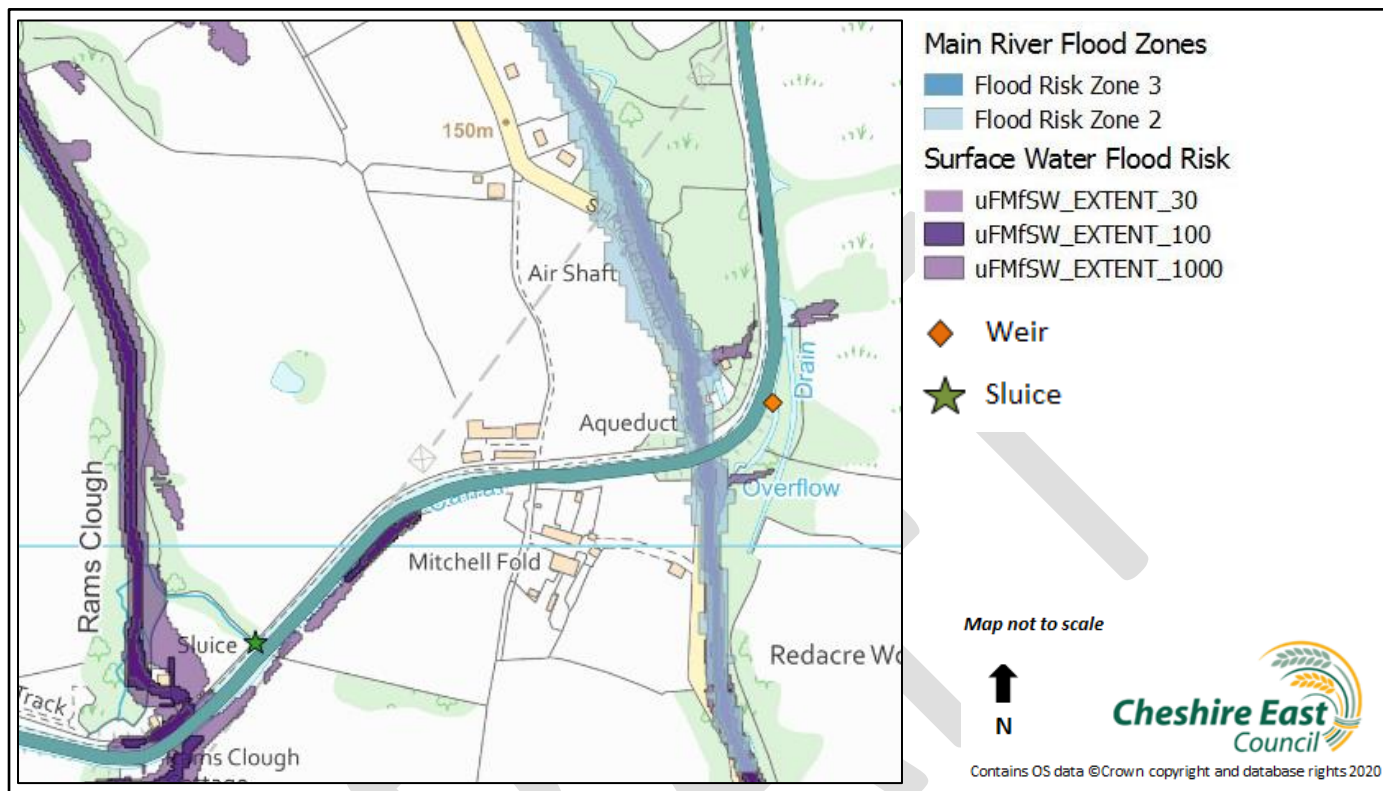
The right bank of Booth Green was overtopped upstream of the culvert at First Avenue, whilst reports were received that the culvert under First Avenue had overtopped on the right bank, just downstream of the bridge, photos show water lapping out of bank on right bank but not quite overtopping a decking area they have on the bank top. Flood wrack/debris further upstream indicated flow within channel, which was confirmed at the back of Second Avenue, which was also confirmed to be in-channel between Second Avenue and Hope Lane. Booth Green Brook was observed to be in bank at the confluence with Poynton Brook. Surface water flooding due to surcharged gullies was also evident on the industrial estate.

#### **4.1.5 Description of flooding for Poynton Brook (Main River, in Poynton Brook catchment)**

Reported flooding incidents on Poynton Brook are tackled from up to downstream. Residents reported river bank erosion on Poynton Brook near to the aqueduct to both the Environment Agency and The Lead Local Flood Authority. The site was visited following the flooding by the Environment Agency who met with local residents.

At this location excess water can leave the Macclesfield canal via a weir (shown as orange diamond) draining into an overflow channel that flows south into Poynton Brook. Poynton Brook then flows north via a culvert under the Macclesfield canal. The sluice was not operated during this event.

Figure 14 Flood risk at Poynton Brook near Aqueduct



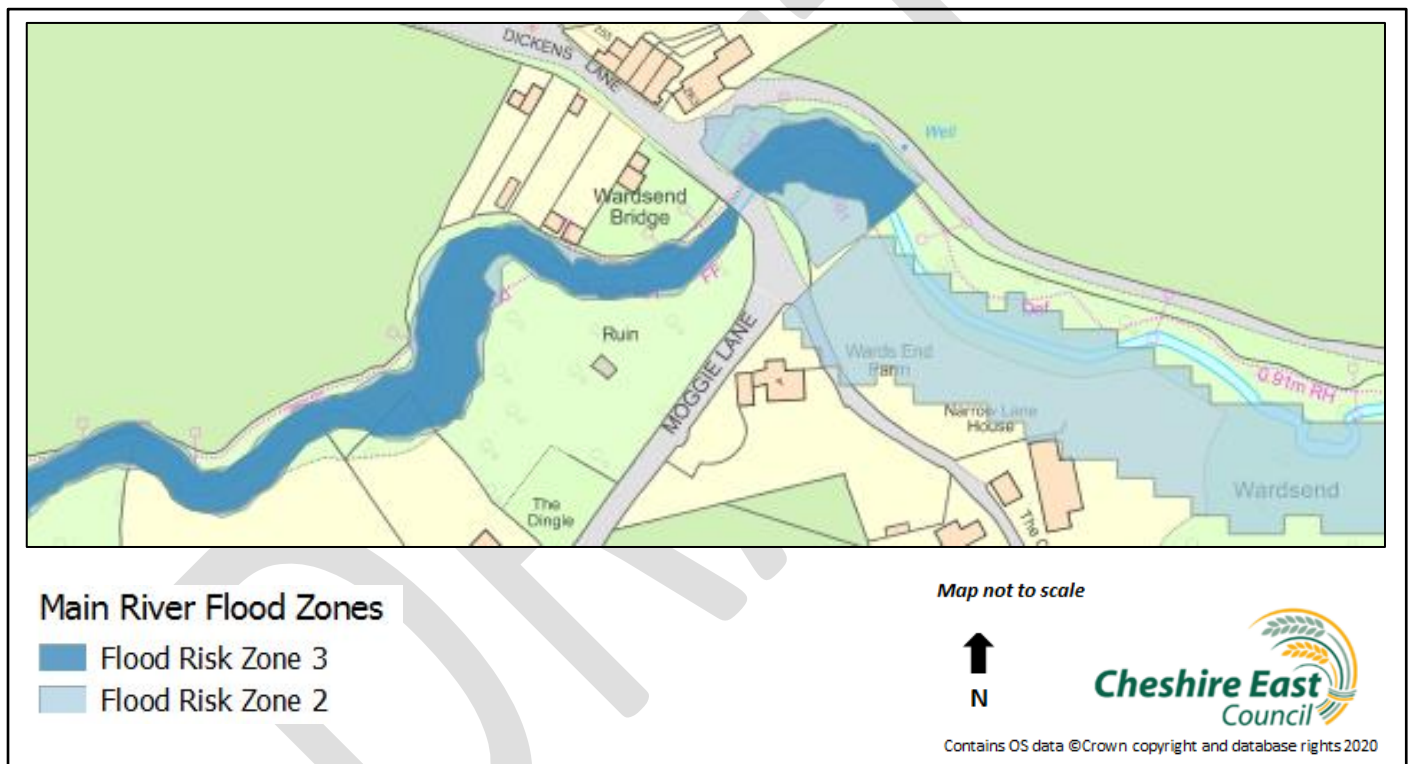
Property flooding from Main River and surface water overland flow occurred adjacent to Wards End bridge. Water levels were reported to be high upstream of the bridge, and then rose quickly. The high water levels overtopped the bridge, and caused the downstream parapet to fail, along with considerable erosion of adjacent land. The limited size of the aperture of the bridge opening and its high headwall suggests it acted to retain water and reduce flows downstream, and may have been specifically designed to reduce flooding further downstream. It was reported that the rapid water level rise was due to a blockage in the bridge opening. At some point the blockage cleared through the opening. Both gas and mains water pipes flow across this structure which has been considered in its redesign by Cheshire East Highways, the Environment Agency was consulted to as part of these works.



Photograph 1 Wards End Bridge retaining wall upstream (left photo) and downstream (right photo) after the flood.

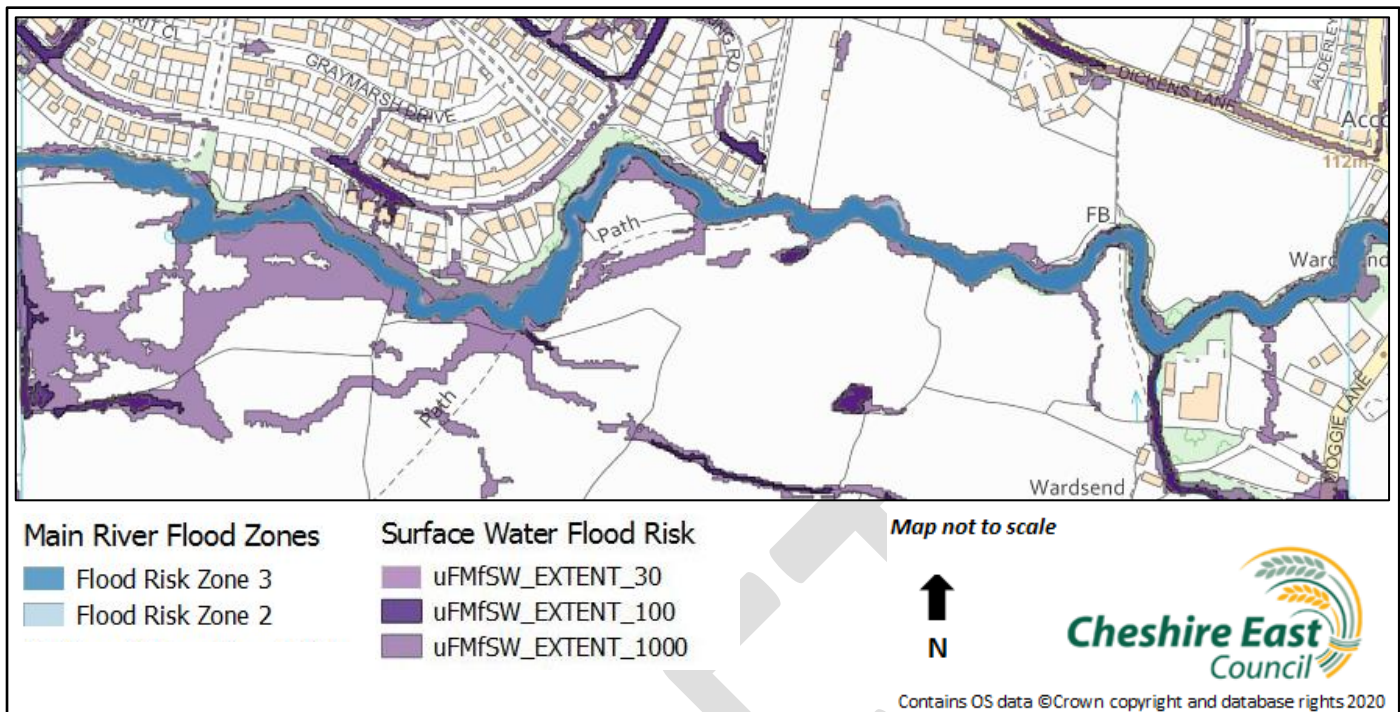


Figure 15 Fluvial Flood Risk near Wards End Bridge, Poynton Brook



Poynton Brook then flows west, naturally filling up its natural floodplain. Much of the corridor adjacent to Poynton Brook remains undeveloped; there were no reports of property flooding until the urban area. Flood wrack was observed on the right bank at several locations, indicating water out of bank on the right bank (to the north) of Poynton Brook.

Figure 16 Flood risk\* along Poynton Brook between Ward End bridge and industrial estate

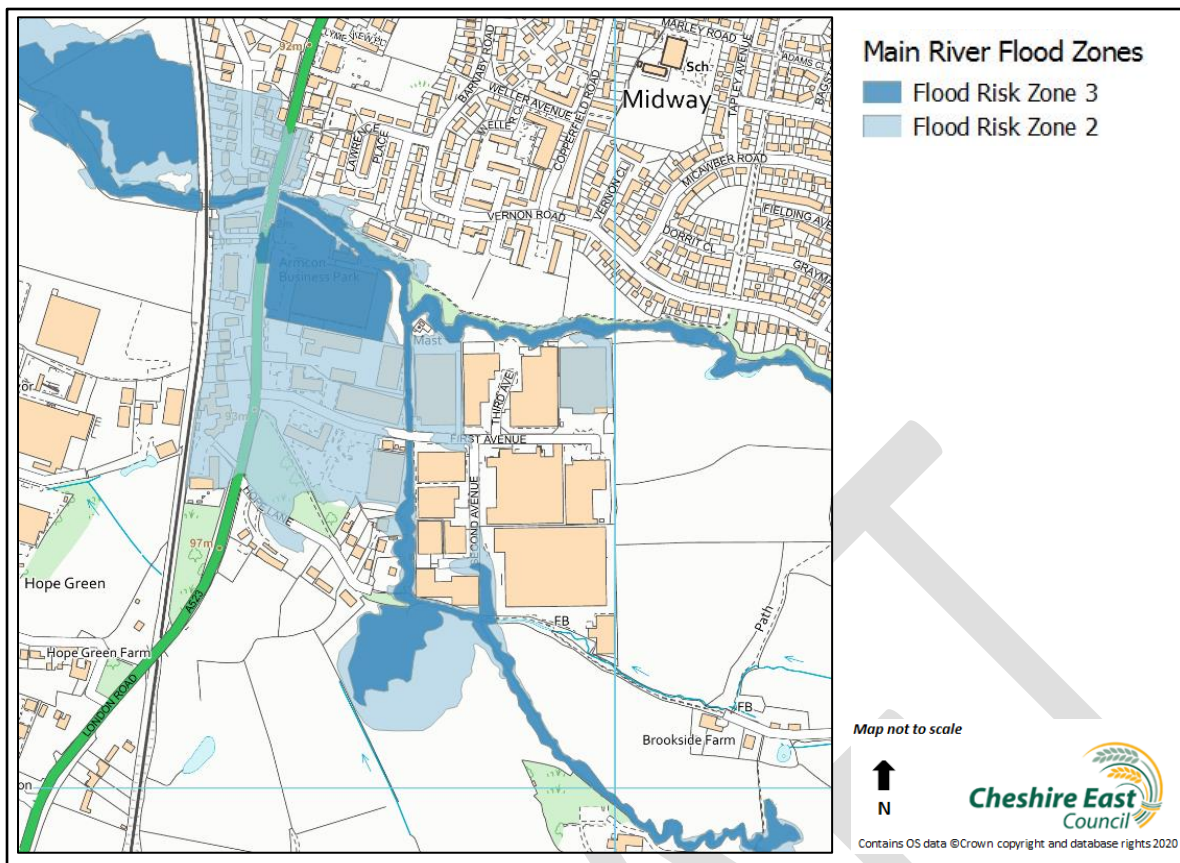


On the left bank (south side) of Poynton Brook next to Armcon industrial estate upstream of the Booth Green confluence, flood wrack marks were observed to be contained in-bank (but only just) for the majority of the section, apart from a low spot where out of bank flows across the back of a industrial unit were observed for around 20 metres and an exit route for flows (back to Poynton Brook) was observed.

Downstream of the confluence with Booth Green Brook, Poynton Brook was contained in channel on the left bank (south side) along the rest of the industrial estate perimeter due to an embankment that is approximately 5 feet higher than floor levels in industrial estate. The river was contained the river side of the embankment until a low spot adjacent to the corner of industrial unit, where the bank is considerably lower and wrack was observed indicating that flows entered the Armcon Industrial Estate at this point from Poynton Brook. This low spot runs for around 40 metres. Downstream of here, flood wrack indicated that the remaining flows were just in-bank on the left bank, probably in part due to a large portion of the flows flowing out through the industrial estate.



Figure 17 Poynton Brook Floodzones 2 &amp; 3 (Industrial Estate)



Once the flood water had left the watercourse, it followed the natural topography of the floodplain/land as it made its way along the lowest point back to the watercourse. This, coupled with surface water flooding (resident reported gullies and manholes surcharging) resulted in flooding to properties and premises in the Armcon industrial Estate, on London Road, Lostock Road and Woolley Avenue. Water flowed along the highways, into properties and through gardens as it made its way back into Poynton Brook. Water then receded quickly.

At a local care home staff confirmed that water got into garages not the property, but flooding was exacerbated by vehicle movements through the floodwaters (bow waves).

Poynton Brook then flows north towards Wigwam Wood, with the Coppice Stream joining the Main River behind Brookfield Avenue after flowing under the railway line. Additional watercourses drain into the Main River at Wigwam Wood and this area is classified as a natural floodplain for Poynton Brook. Residents reporting internal and external property flooding in this location and raised river levels and along this stretch as far up at Hazelbadge footbridge; the flood risk zones at this location are shown below.





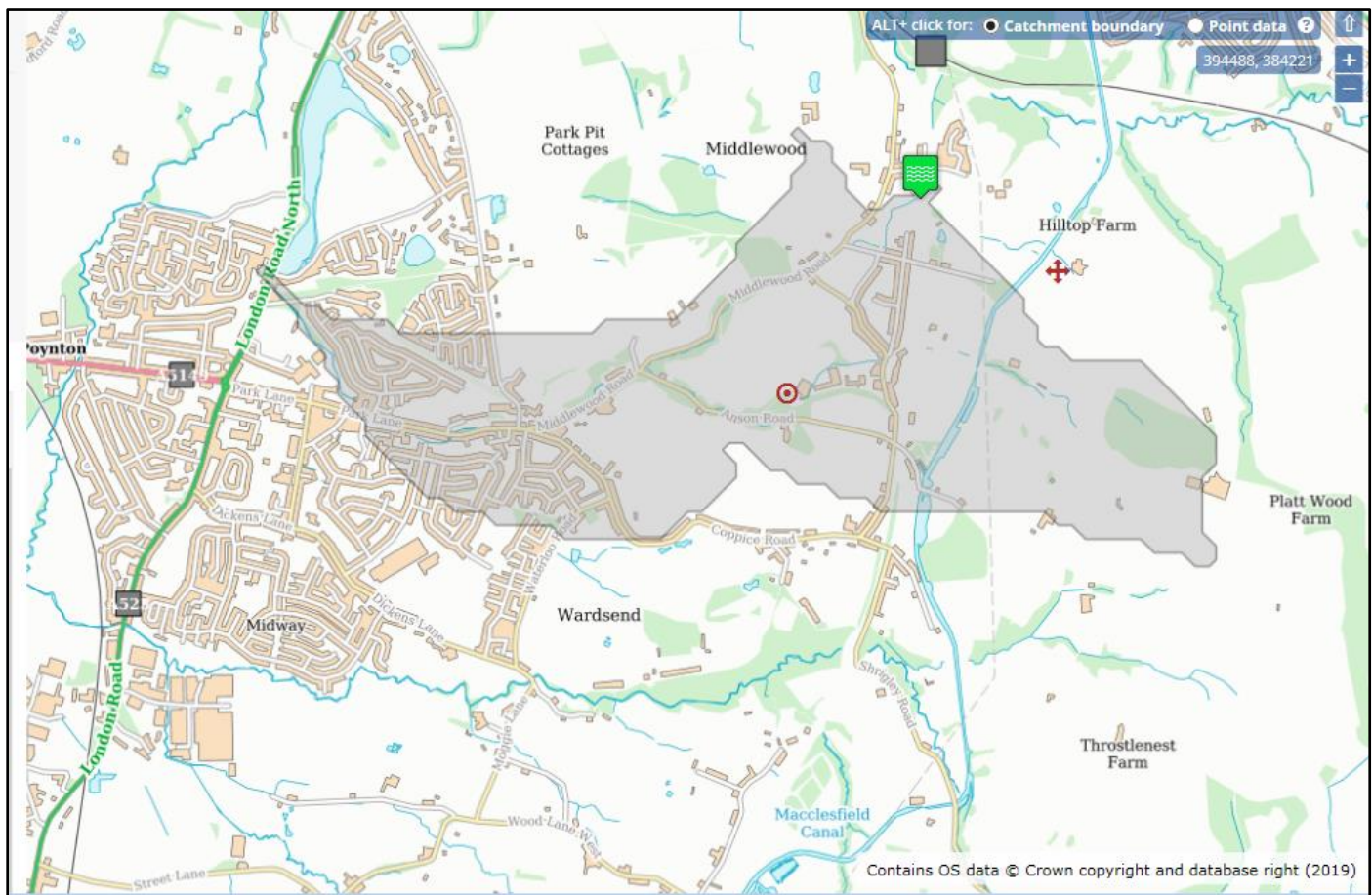
#### 4.1.6 Description of flooding for Park Lane Stream (ordinary watercourse) (including Higher Poynton)

Flooding occurred on 31st July, with a further weather event occurring on Friday 9<sup>th</sup> August 2019.

Flooding on the 31<sup>st</sup> July in Poynton related to Main River, surface water and local drainage systems; on the 9<sup>th</sup> August flooding was a result of surface water and local drainage systems.

The ordinary watercourse capacity throughout Poynton has an annual exceedance probability of between 5% - 3.3%. This means that the system will be surcharged and flood following a storm with a magnitude greater than 5% AEP or a 1 in 20 year return period. This means that based on current data the probability of the system flooding for any one year is 5%

**Figure 20 Indicative natural catchment of Park Lane Stream**



In Higher Poynton the catchment of Park Lane stream extends East beyond the Macclesfield canal as shown in the figure above. The river flows west following the natural topography of the land making its way across the surface, land drains and through the soil and rocks underground.

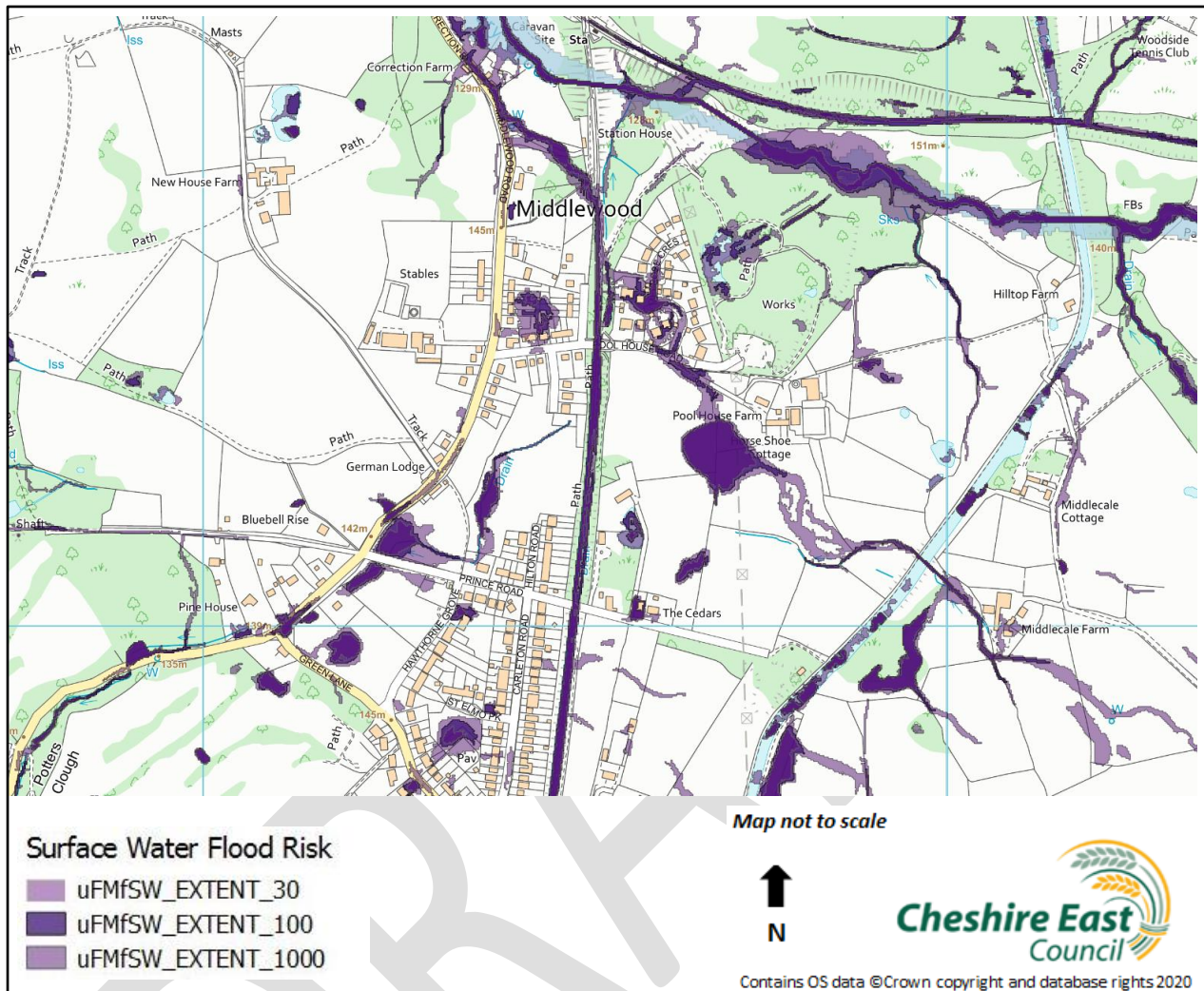
Water ponds at Pool House farm, in a natural depression. There is a land drain across Pool House farm that drains west under the Middlewood Way (the old Railway) to join the open watercourse in fields towards the end of Hilton Road, this then flows south towards Prince Road and then west towards Middlewood Road. When the capacity of the drainage channel and the natural depression at Pool House farm is exceeded; excess water flows overland to the north following the ground levels. By flowing north, eventually down to the Middlewood Way the flood waters move into the neighbouring catchment of Norbury Brook.

As the watercourse flows downstream, a depression in the field to the north of Prince Road fills with water. Frequent flooding here is due to the post-industrial landscape and small culvert sizes in the drainage channels, and there may



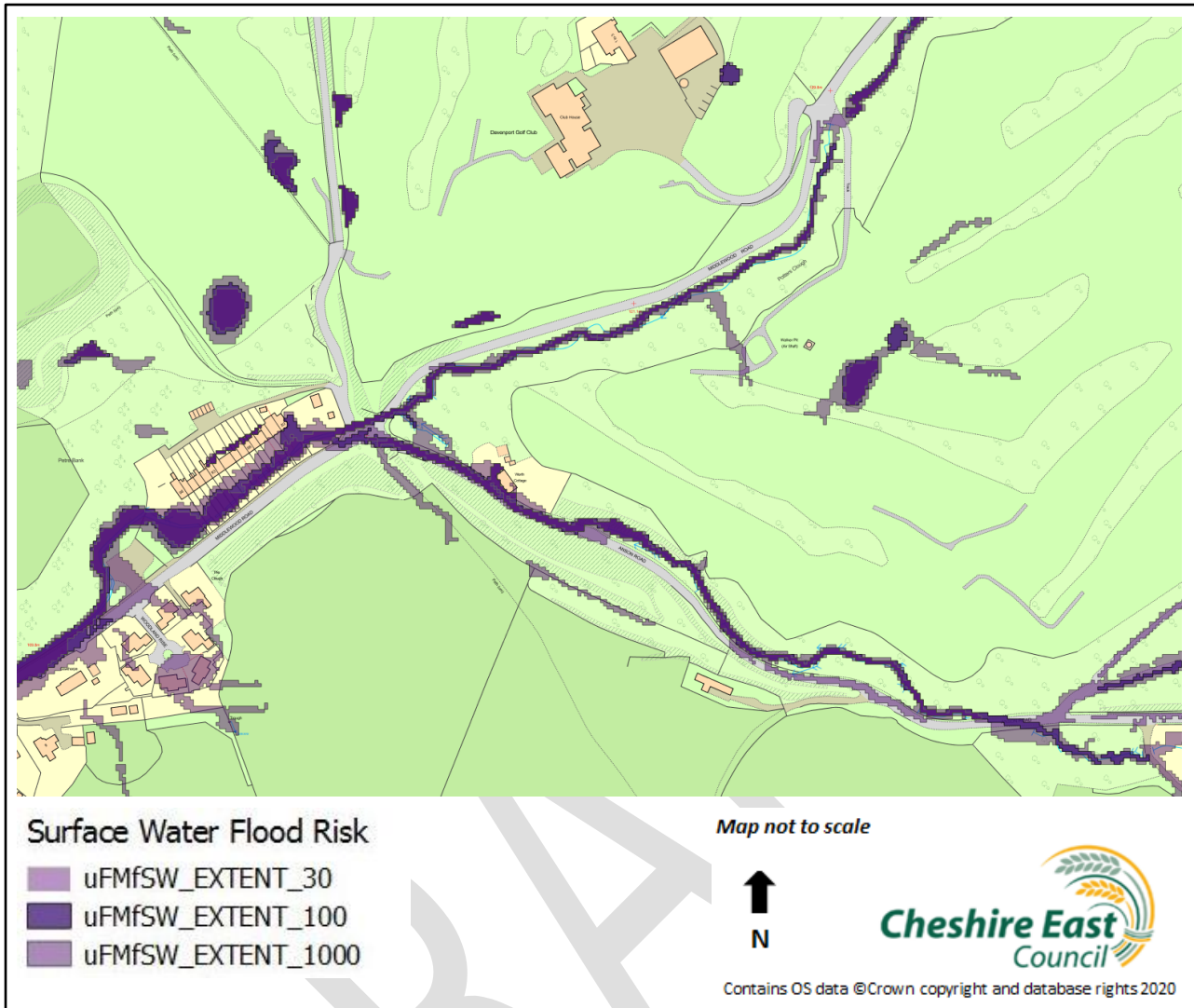
also be subsidence due to mining. The pond was formerly more extensive, named Richardson's Pool (1849 maps), later known as "German Pool". This fills as the channel outfall capacity is exceeded.

**Figure 21 Flood Risk Map Middlewood Way area**



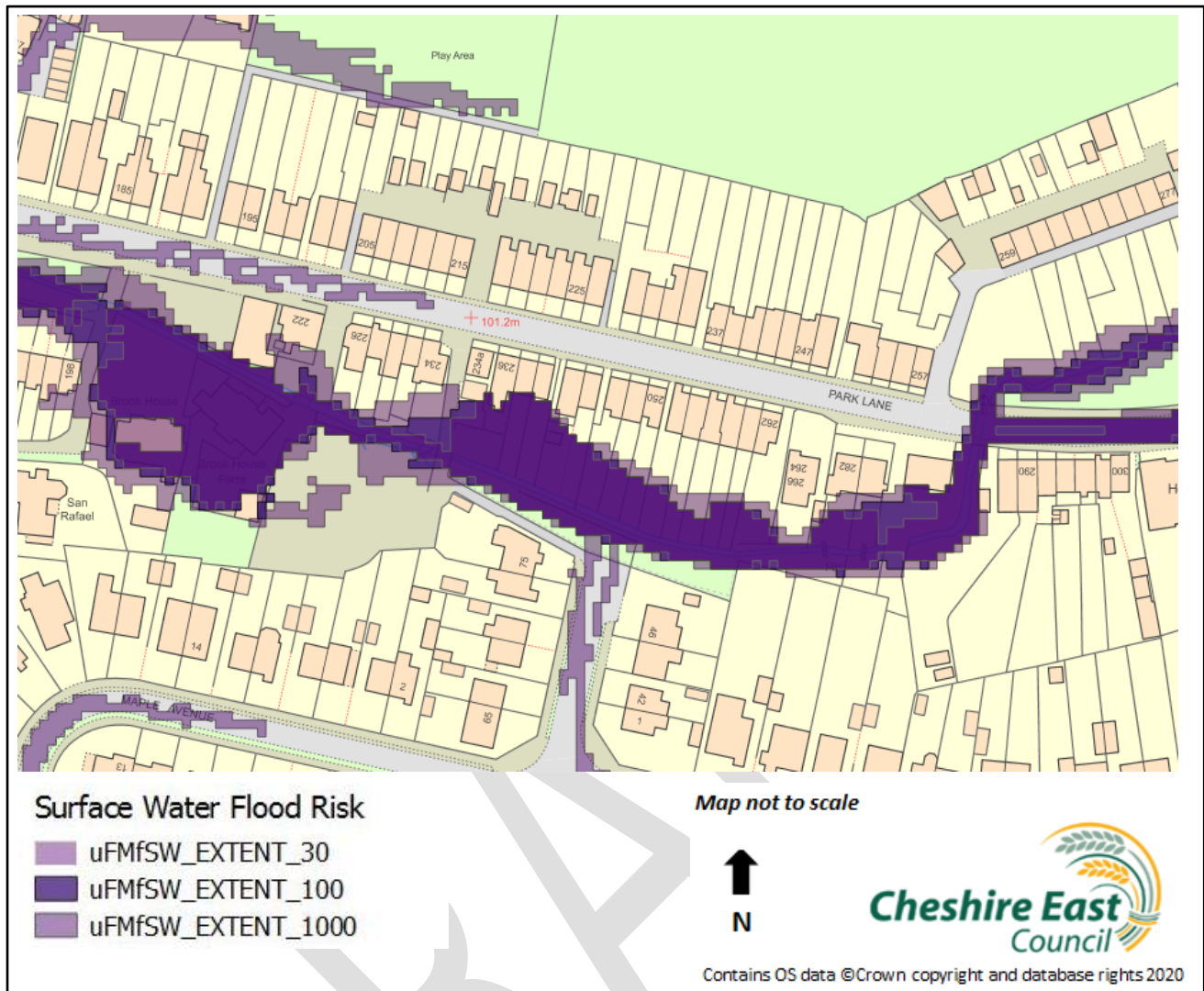
Downstream of this location the surface water continued to flow off saturated fields downhill onto Middlewood Road, which became a channel for flood waters, overwhelming surface water drainage systems. Reports and footage of saturated surfaces (fields) generating large volumes of runoff were received in this area, as the capacity of the land to store water was exceeded. In some instances where properties are located downslope, flooding occurred.

Figure 22 Flood Risk Map Middlewood Road / Anson Road area



Park lane Stream flows in a westerly direction, flowing to the north of Middlewood Road, crossing under Towers Road and flowing parallel to Park Lane. Flood waters appeared to use the highway as an overflow channel, reducing flows along Park Lane stream. As the stream turns and flows south under Park Lane the two systems merged and downstream of this point, the combined flows resulted in out of bank flooding along Park Lane stream affecting properties and business. Sewers were also overwhelmed in these areas driven by the high water levels in the stream and property owners directing flood water into the combined sewer. In this area the stream flows through a number of residential gardens.

Figure 23 Flood Risk Map Park Lane area



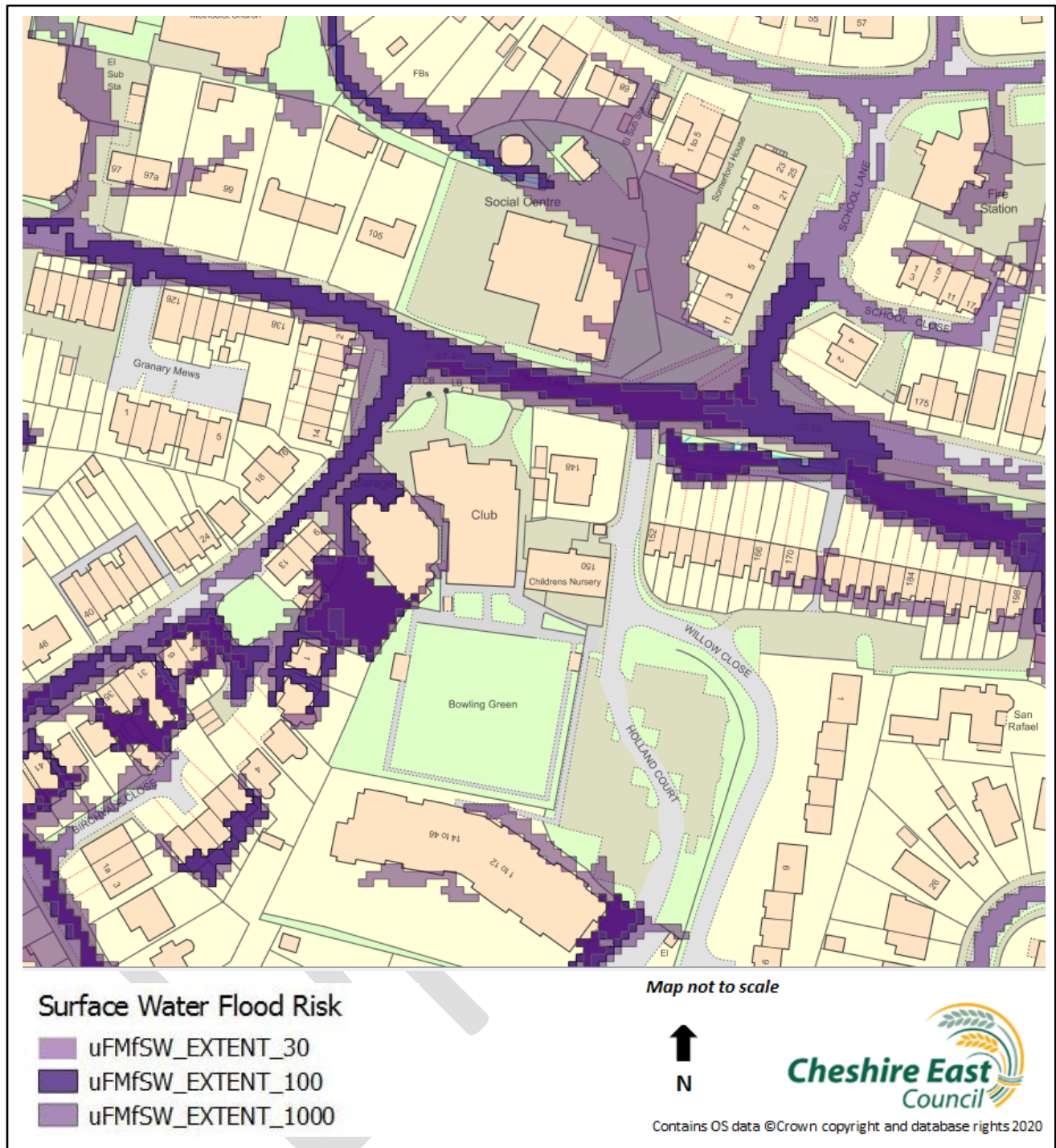
Park Lane stream continues to flow west towards Willow Close, this section surcharged and water flowed out of bank, following the ground levels to find the lowest point, down highways, footways and driveways towards properties and gardens. As the stream flows north in culvert around the social centre out of bank flooding was also reported.

Following the 2016 floods work was undertaken by the Council and local landowners to clear the channel and culvert under Willow close / Park Lane to increase the capacity in this location. The trash screen at this location is inspected and maintained by Cheshire East highways on a monthly basis and in response to storm events.

A combination of river water from Park Lane Stream and surface water flows south down Clumber Road. Foul flooding was also reported by local residents in this area, likely to be the result of inundation from river water directed to the sewer further upstream in the catchment. Evidence suggests that the flow paths indicated by the risk mapping and the ponding locations were closely matched during flood events.

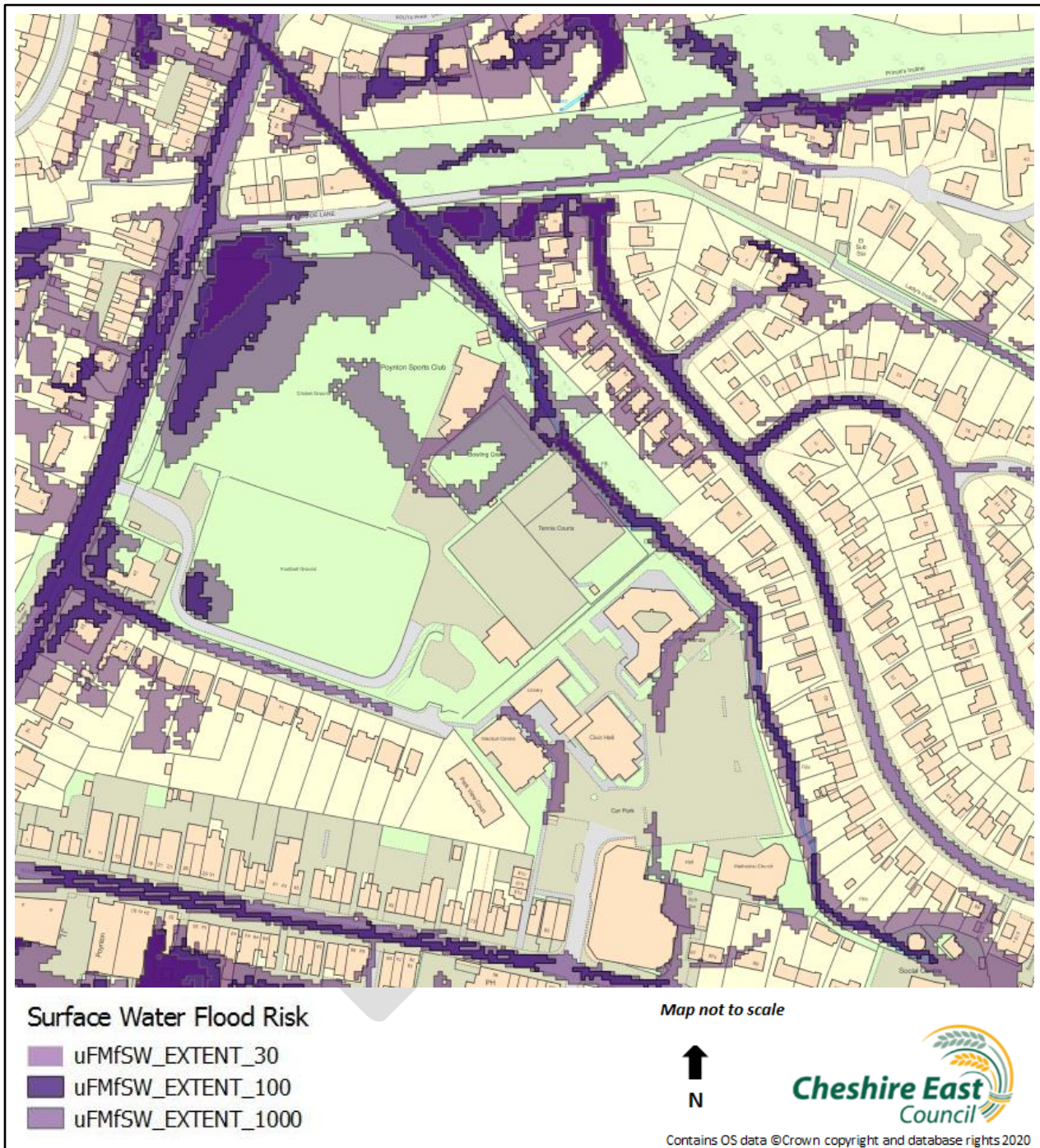


Figure 24 Flood Risk Map Park Lane / Clumber Road area



The stream flows north through the gardens of a number of properties, then alongside Poynton Sports club, where it splits into two (bifurcates). A walkover of this area was undertaken after the flooding and wrack marks suggested that the risk maps provided a good approximation of the pattern of flooding experienced at this location.

**Figure 25 Flood Risk Map Poynton Sports Club area**



The main channel continues north to Woodside Lane and under London Road North towards Mayfair Close, with a secondary channel, which is largely culverted flowing a short distance north through a number of gardens to discharge into Poynton Pool. This channel has been observed a number of times since the 2016 event, and was blocked temporarily without consent from Cheshire East Council in 2017. Since this date the system has been passing a flow, allowing excess water from the channel to flow to Poynton Pool. Access onto this riparian system is



limited. Cheshire East Council is proposing to locate an additional access chamber to allow flows to be monitored on Woodside Lane. If feasible this channel will be utilised to divert some surface water flows from the main channel, this work will be undertaken in partnership by Cheshire East Council and United Utilities.

**Figure 26 Bifurcation of Park Lane stream towards Poynton Pool**



As the river emerges from underneath London Road the river flows downstream through residential gardens through a metal trash screen and into a bifurcated culvert system underneath Mayfair Close and Tulworth Close. These structures remain the maintenance responsibility for the riparian owner at this location.

The main flow of water is directed north under Mayfair Close, then west under residential gardens to a section of open channel at Glastonbury Drive. The second, an overflow channel flows west through gardens to Tulworth Road where it flows north to rejoin the main flow. The maintenance of these systems remains the responsibility of the property/land owners, predominantly the local residents, where these culverts flow under a section of adopted/public highway this would be the responsibility of Cheshire East Council. Without prejudice, Cheshire East Council undertook a through clean of this culvert system removing several tonnes of silt and debris in Spring 2020. No defects were found on this system at this time.



Figure 27 Ordinary watercourses near Glastonbury Drive

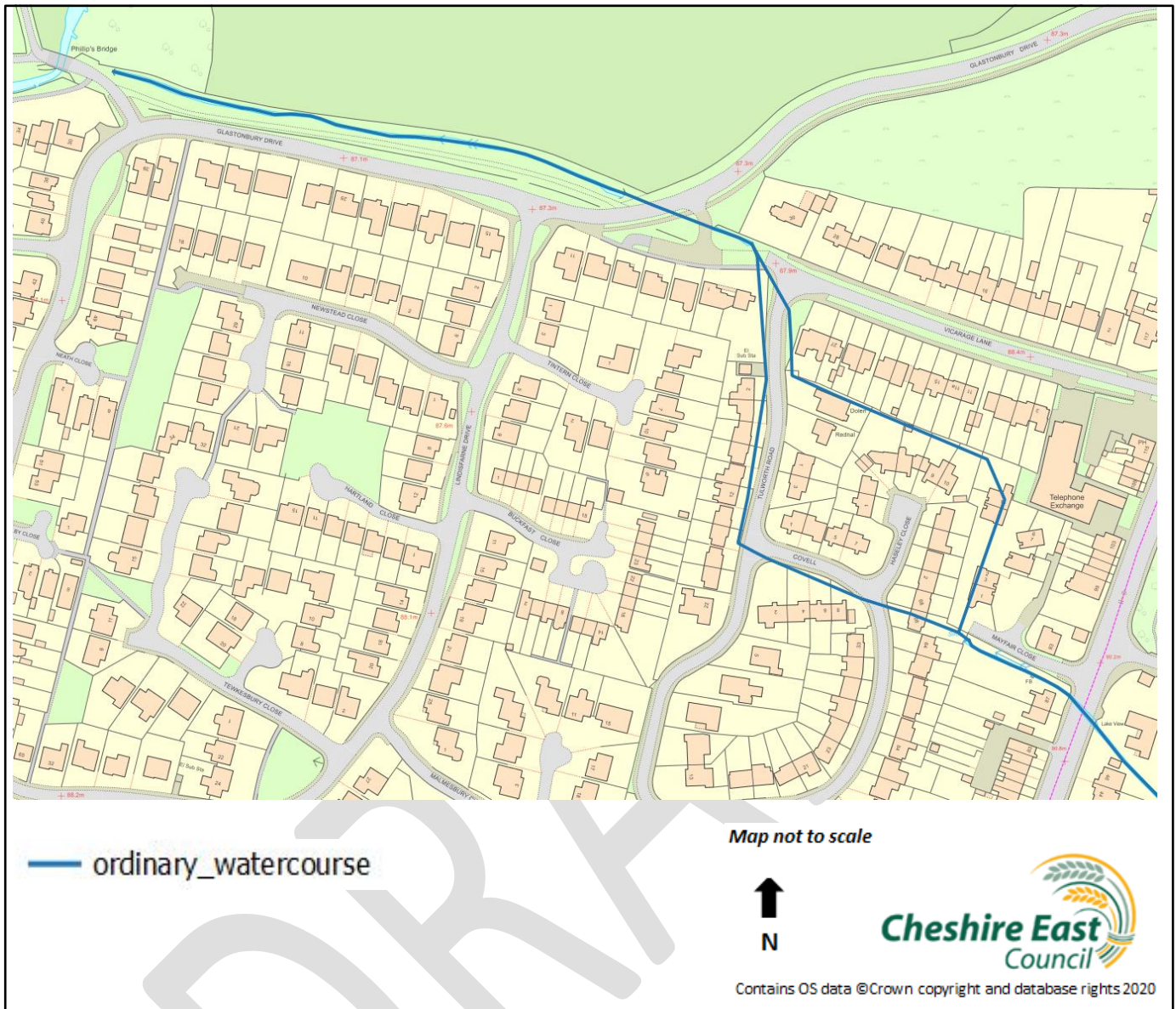
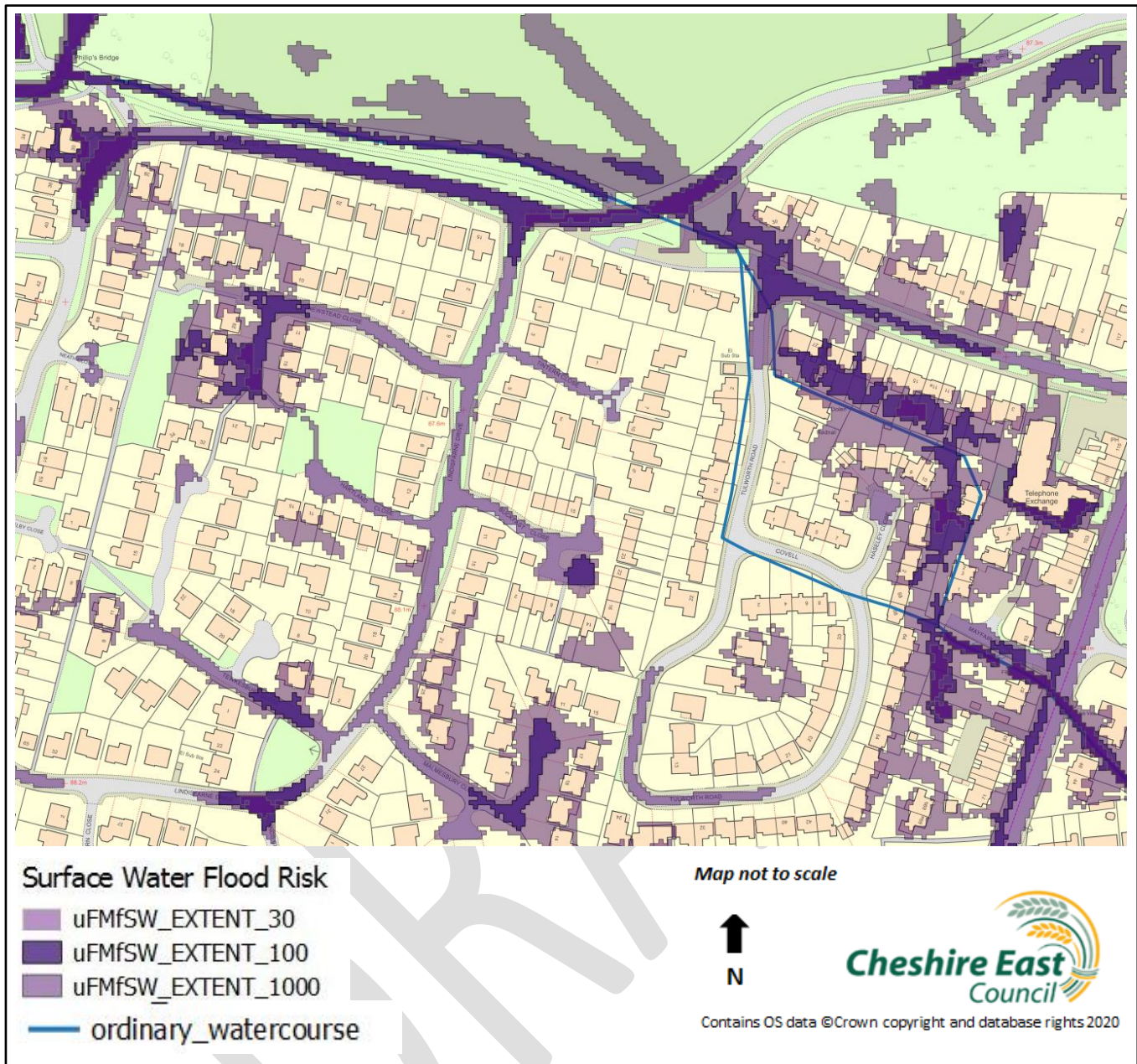




Figure 28 Flood risk near Glastonbury Drive



The natural course of the river then flows west joining Poynton Brook at Phillips Bridge. The natural overland flow routes across the adjacent fields show the paths floodwater is expected to accumulate and flow.

During flood events residents have reported that a small channel cut into the banks of the channel alongside Glastonbury Drive helped to divert water back into the channel and onto adjacent land to the north.



Figure 29 Flood routes to Poynton Brook north of Glastonbury Drive

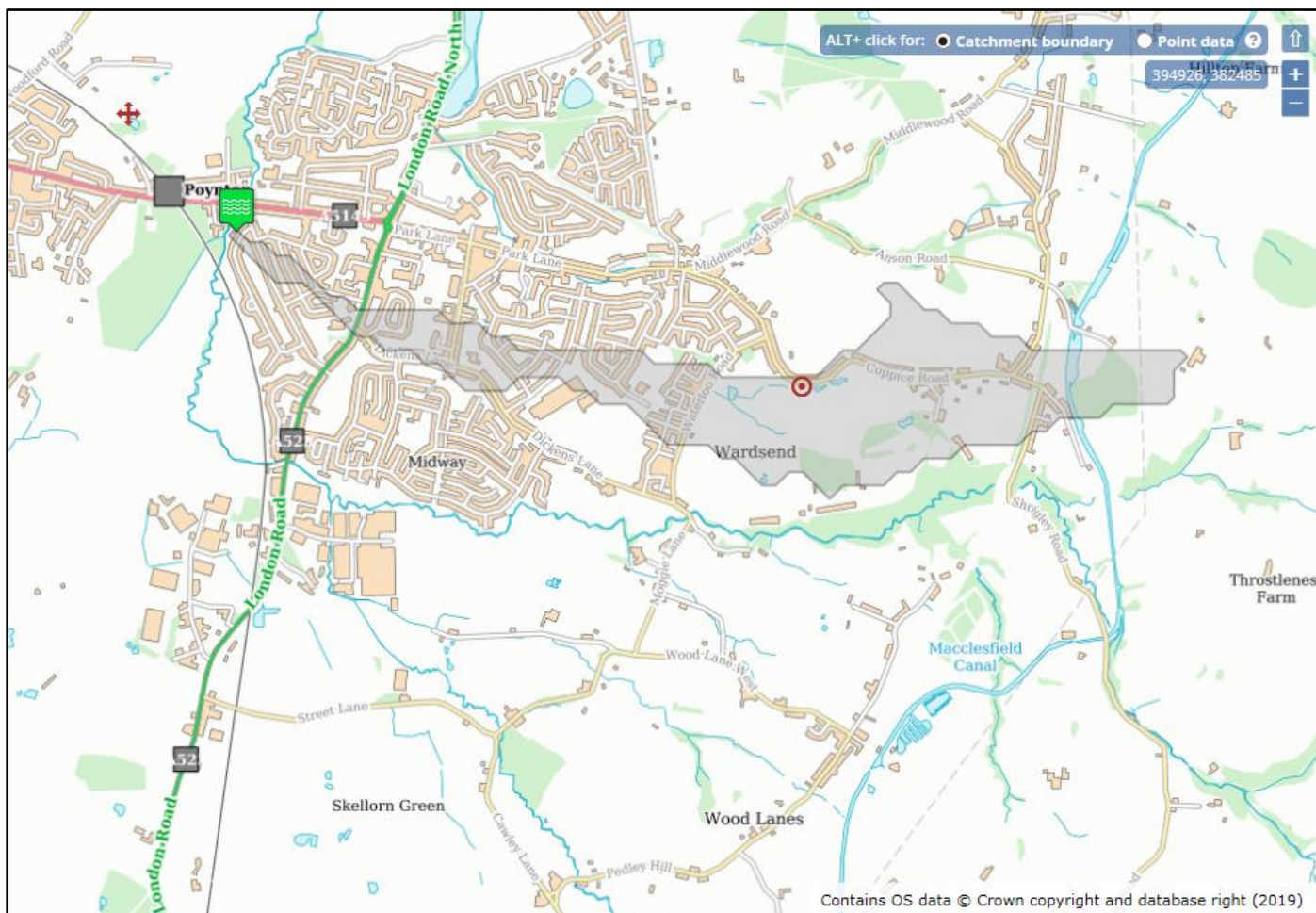


#### 4.1.7 Description of flooding for Coppice Stream (ordinary watercourse)

Flooding occurred on 31st July, and a further (smaller) weather event occurred on Friday 9<sup>th</sup> August 2019.

The ordinary watercourse capacity throughout Poynton has an annual exceedance probability of between 5% - 3.3%. This means that the system will be surcharged and flood following a storm with a magnitude greater than 5% AEP or a 1 in 20 year return period. This means that based on current data the probability of the system flooding for any one year is 5%.

**Figure 30 Indicative natural catchment of Coppice Stream**



The headwaters of the ordinary watercourse, Coppice Stream are in Poynton Coppice and the adjacent agricultural land. The watercourse flows East via a number of small ponds towards Waterloo Road where it then splits and flows in culvert under neighbouring residential estates for a considerable distance. The lower part of Coppice Stream is diverted from Easton Close (via Kettleshulme Way and the Worth Primary School) in culvert to Poynton Brook. Surface water and watercourse flooding occur in these locations. Anecdotal evidence suggests that historically land use management practices upstream were more beneficial at slowing the flow and that more water may have been stored upstream of Waterloo Road.

The second culverted section joins with United Utilities sewers to flow towards Pine Walk and Cherry Tree Avenue. During extreme rainfall events flooding is reported in these areas as the systems below overwhelmed, and as overland flow from the school playing fields flows Eastwards.



Although this natural watercourse is now in culvert/sewers the land levels may still reflect the natural drainage paths as highlighted on the flood risk maps. In heavy rainfall, it is expected that water will still flow to these topographical low spots.

The culverted watercourse continues to flow East, following Ivy Road, Holly Road towards Clumber Close where there are two sections of daylighted or open watercourse. When capacity in the culvert is exceeded, water may surcharge from this system. Flooding occurred in this vicinity from a combination of surface water and ordinary watercourse flooding. Flood water is looking to rejoin the watercourse and flows via the easiest path to rejoin the watercourse at Vernon Primary School.

Coppice Stream then continues to flow East to London Road South, along Queensway, crossing both Clifford Road and Brookfield Avenue before joining the Main River to the East of the railway line.

Flooding occurred at downstream locations where local drainage systems were unable to discharge due to elevated Main River levels. Further upstream flooding occurred, because the runoff generated by the significant rainfall, exceeded the design capacity (size) of the pipes.

**Figure 31 Coppice Stream, Waterloo Road, Worth Primary School area**

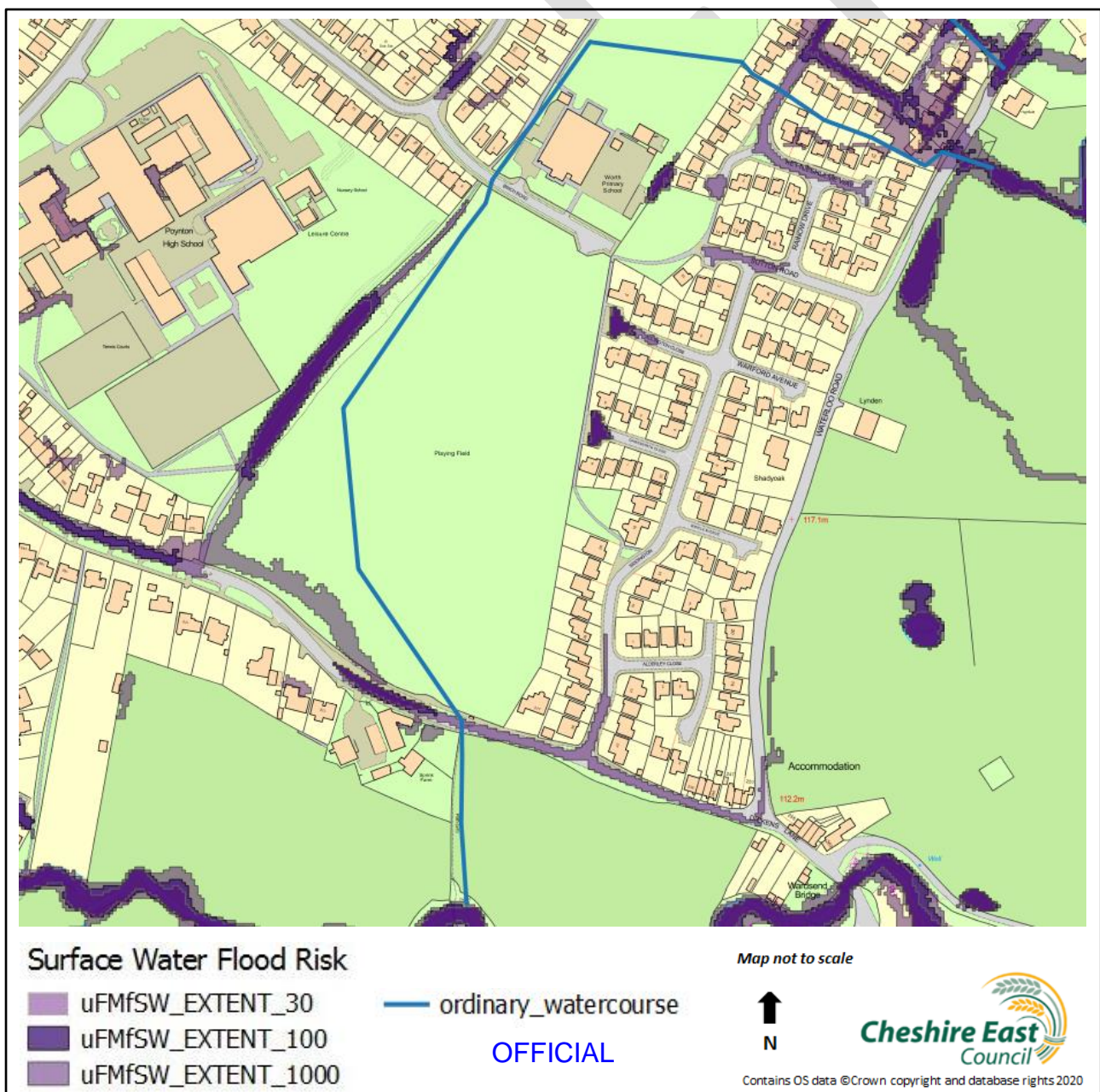




Figure 32 Coppice Stream, Ivy Road, Holly Road, Clumber Close area

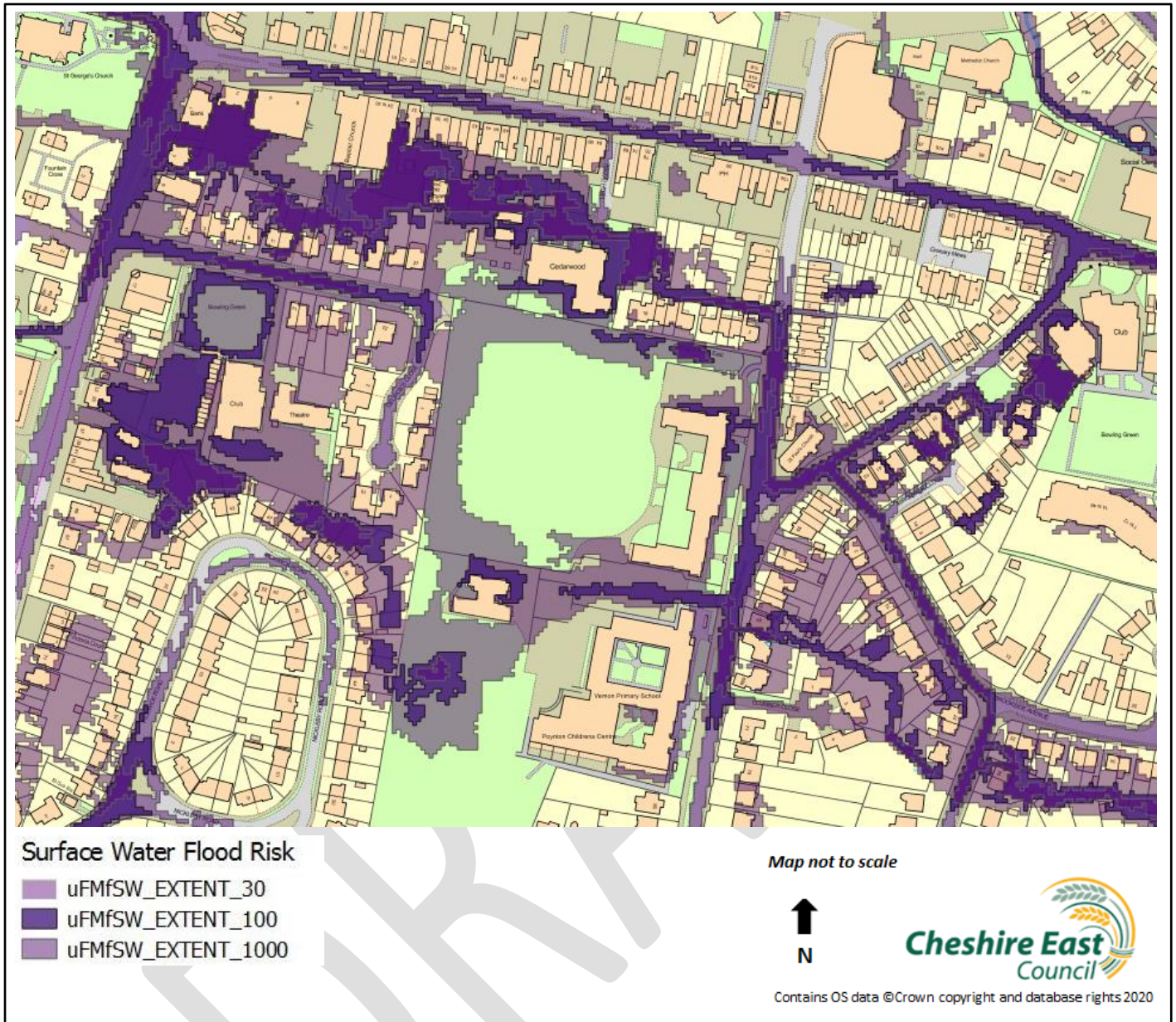
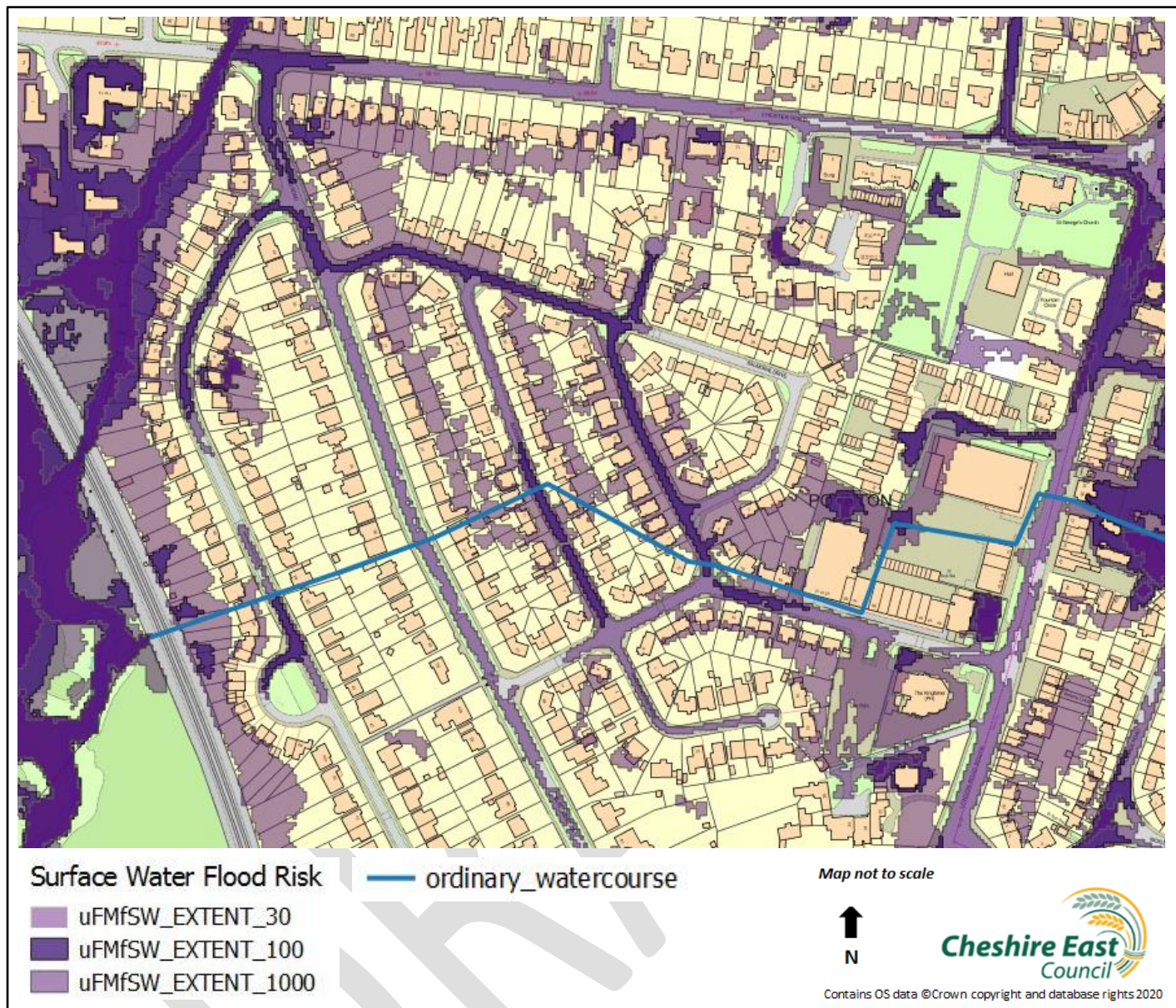




Figure 33 Coppice Stream indicative path shown as blue line





#### 4.1.8 Description of flooding for unnamed ordinary watercourses around Poynton Pool

Flooding occurred on 31st July, a further smaller weather event occurred on Friday 9<sup>th</sup> August 2019.

A number of unnamed ordinary watercourses drain into Poynton Pool, the bifurcation stream from Park Lane stream and others along South Park Drive, Anglesey Drive and from the pond on Towers Road. In these areas flooding was reported from various mechanisms including surface water, sewer and ordinary watercourse. Teams from Cheshire East Highways and United Utilities are working with residents to resolve these issues.

Poynton Pool discharges via a culvert into Poynton Brook, Main River. Poynton Pool is maintained by Cheshire East Council in line with its duties under the Reservoirs Act, 1975.

The reservoir was surveyed in October 2019 and improvements are currently being made to the outfall which flows through adjacent farmland discharging into Poynton Brook to allow for the system to be drawn down in extreme events. The natural catchment of Poynton Pool is limited and the feature has not been designed as a flood defence feature.

**Figure 34 General arrangements at Poynton Pool Reservoir**

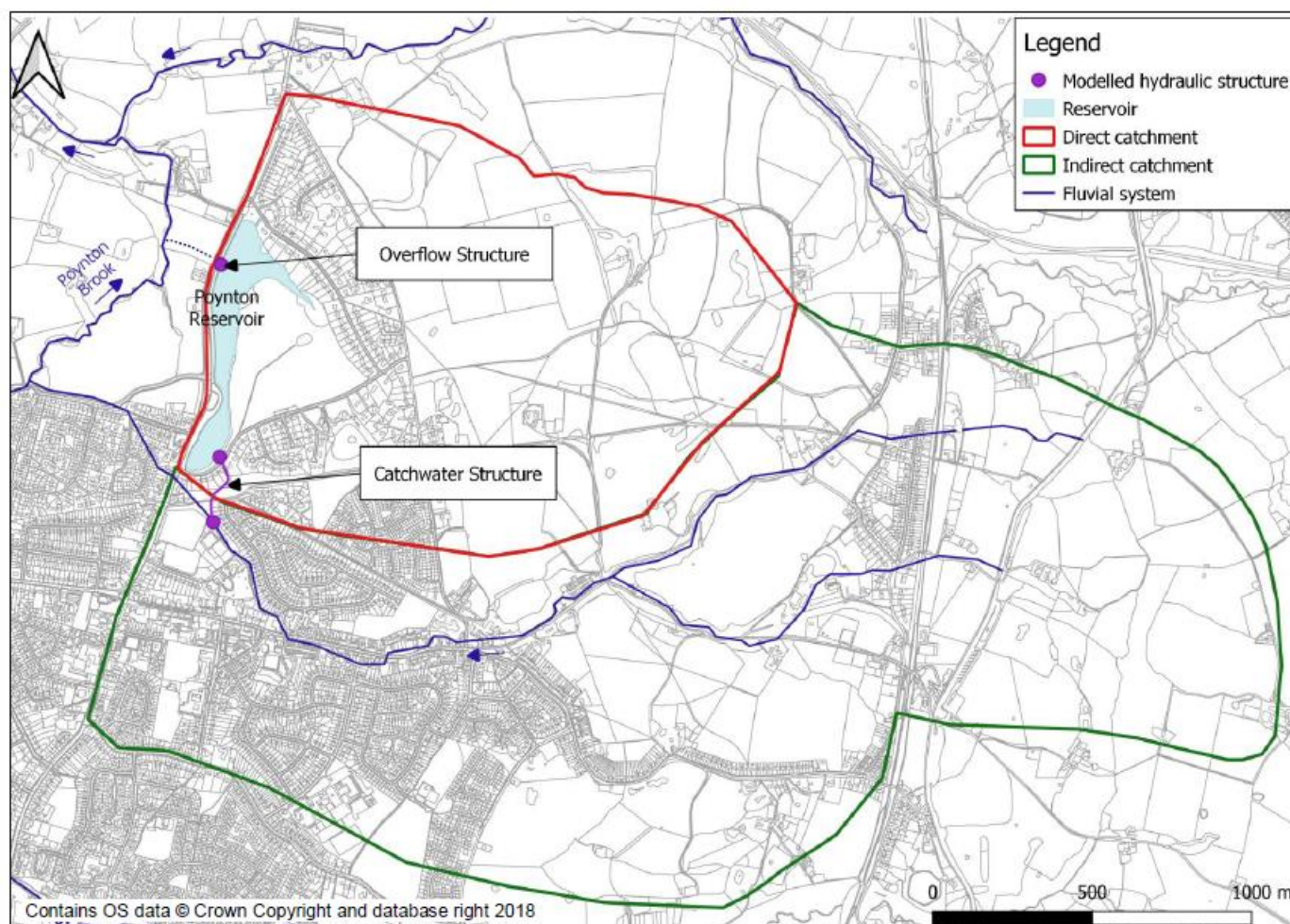
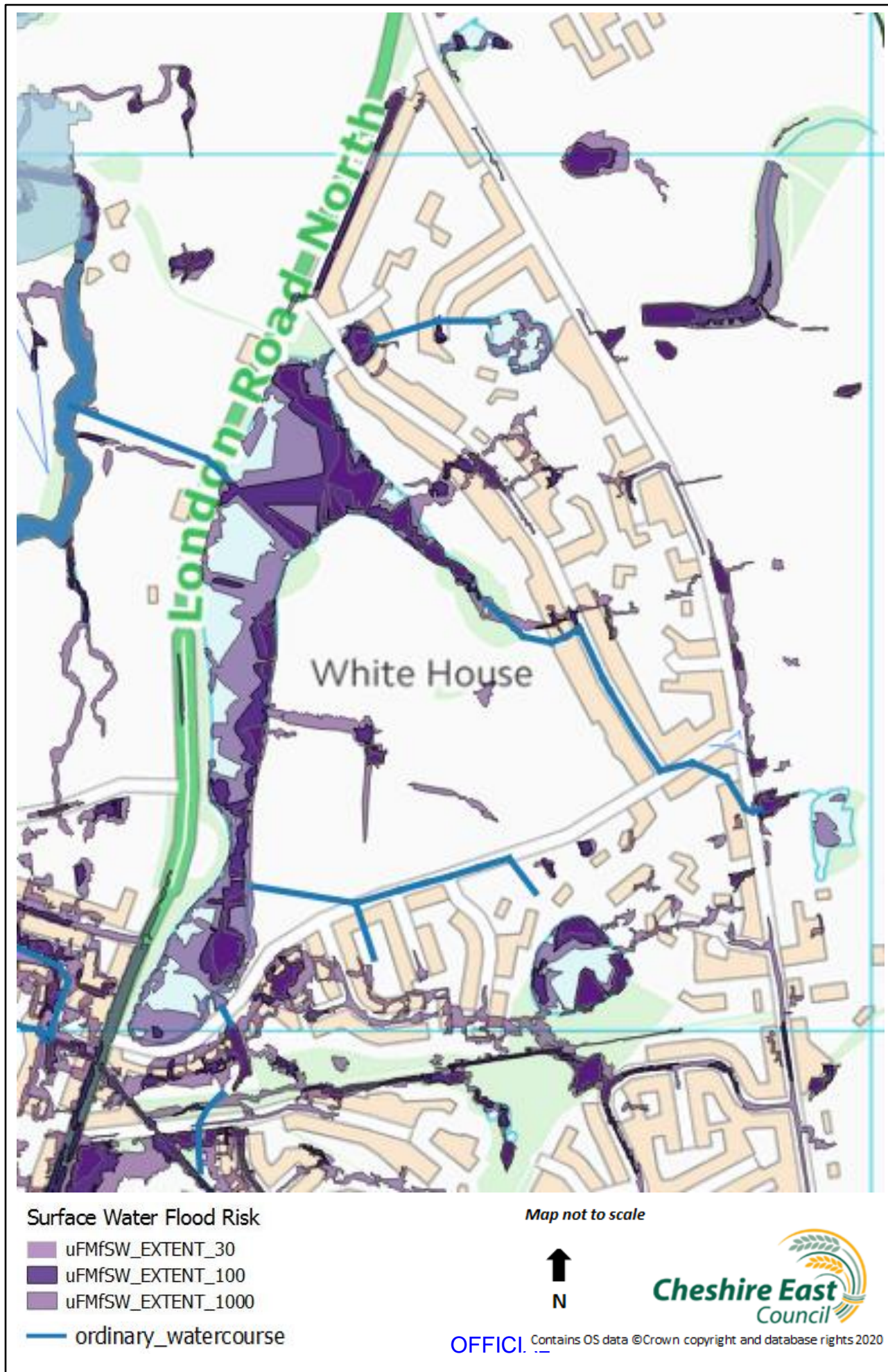




Figure 35 Flood Risk maps and ordinary watercourses around Poynton Pool

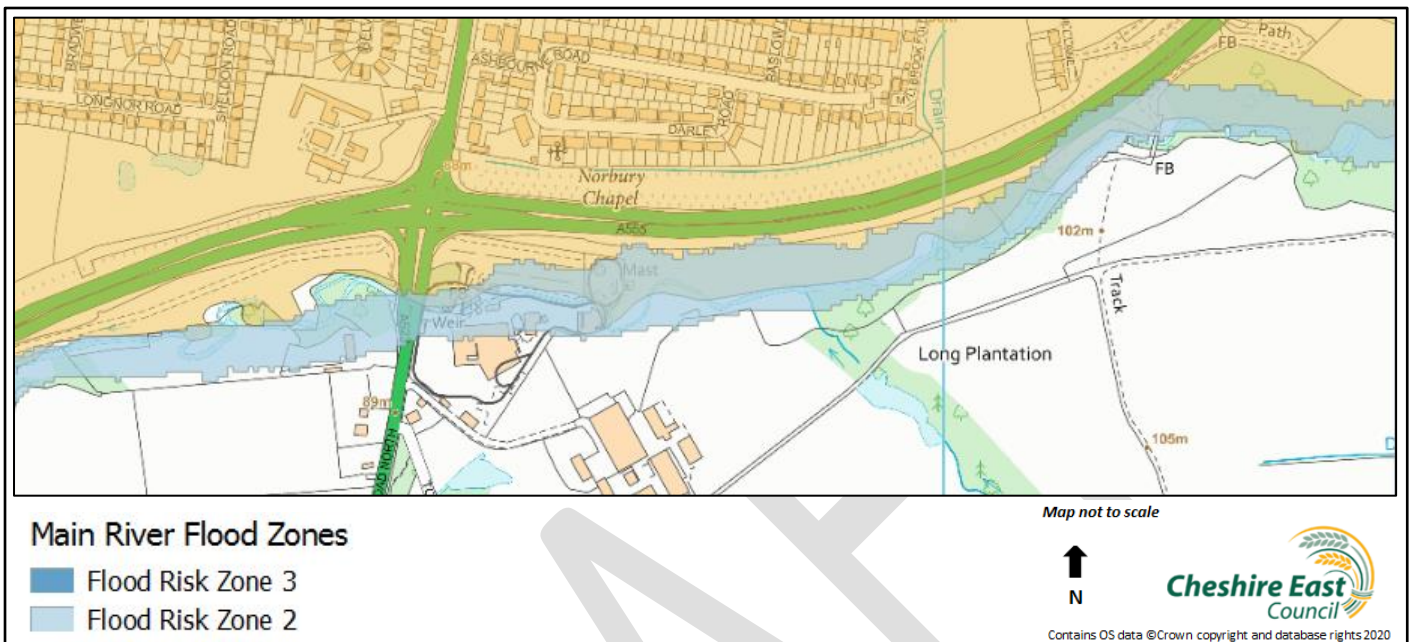




#### 4.1.9 Description of flooding for Norbury Brook (Main River) within Cheshire East

Flooding was experienced adjacent to Norbury Brook, which is a Main River, where water left the main channel and floodplain flows spilled through a local garden centre. The flooding associated with the Norbury location is being investigated further by Cheshire East Council, Stockport Borough Council and the Environment Agency.

**Figure 36 Norbury Brook Floodzones 2 & 3 (Land shaded orange falls within Stockport Borough Council)**



Further downstream no obstructions to flow was reported at the A555 bridge where Poynton Brook joins Norbury Brook, although the river level was high and spilling out of bank.

**Photograph 2 A555 Bridge over Norbury Brook, image taken: 18:16 on 31/07/2019**



## 4.1.10 Poynton Brook - RMA Responses

Table 4 Response Timeline Poynton Brook Catchment

Date & Time	RMA	Response
28/07/2019 10:19	Environment Agency	Flood Warning issued for Poynton Brook at Wigwam Wood and parts of Armcon Business Park
28/07/2019 10:23	Environment Agency	Flood Alert raised for Middle River Mersey
28/07/2019 (various)	United Utilities	Attended 17 customer enquiries
29/07/2019	Environment Agency	Community Information Officers sent to Poynton to verify flooding following issue of Flood Warning on 28 July. No internal property flooding found.
29/07/2019 08:20	Cheshire East Highways	Attended site – emergency call out to Dickens Lane
29/07/2019 (various)	United Utilities	Attended 5 customer enquiries
30/07/2019 (various)	Cheshire East Highways	Attended 1 customer enquiry
31/07/2019 06:21	Environment Agency	Flood Warning issued for Poynton Brook at Wigwam Wood and parts of Armcon Business Park
31/07/2019	Environment Agency	EA Site Controller attended site
31/07/2019	Cheshire East Highways	Sandbags available from Poynton Town Council Civic Centre
31/07/2019 08:57	Environment Agency	Flood Alert raised for Middle River Mersey
31/07/2019	LLFA attended site	Investigating localised garden flooding
<b>A major flooding incident has been declared</b>		
31/07/2019 (various)	Cheshire East Highways	Number of calls / locations
31/07/2019	Cheshire East Council	Emergency refuge centre opened in Poynton
31/07/2019 (various)	Cheshire Fire and Rescue	Cheshire Fire and Rescue Service attended a total of 42 flooding related incidents in and around Poynton, Bollington and Wilmslow. Within Poynton crews had been to more than 20 incidents, including rescuing at least 11 people from flood water in the area
31/07/2019 (various)	United Utilities	Attended 27 customer enquiries
31/07/2019 13:00	LLFA attended site	Investigated flooding following the length of Park Lane stream from Middlewood Road to Poynton Brook.
31/07/2019	Cheshire East Highways	Staff deployed to remove log from culvert at Tulworth Road
31/07/2019 18:05	Environment Agency	Flood Warning raised Poynton Brook at Poynton and Midway
01/08/2019	Cheshire East Highways	Sandbags available from Poynton Town Council Civic Centre
01/08/2019	Environment Agency	Community Information Officers sent to verify flooding
01/08/2019 (various)	United Utilities	Attended 31 customer enquiries
05/08/2019	Environment Agency	Community Information Officers sent to verify flooding
07/08/2019	Environment Agency	Officers attended to survey properties flooded
08/08/2019	Environment Agency	Officers attended to survey properties flooded
15/08/2019 1-7pm	Multi-Agency	Multi-Agency Drop in session, Civic Centre in Poynton attended by approximately 300 residents

#### 4.1.11 Poynton Brook Catchment - Site Specific Recommendations

Based on the analysis for July 2019 flooding events, the following actions are recommended to the locals RMAs.

**Table 5 Recommended actions for the Poynton Brook Catchment**

RMA	Recommended Action
Cheshire East Council and Stockport Borough Council	Investigate local flooding associated with Poynton garden centre from Norbury Brook location
Cheshire East Council	Work with Town Council and Flood Action Group to update Community Resilience plan for Poynton (held by Poynton Town Council and first established in 2015)
Cheshire East Highways	Investigate drainage on Dickens Lane, highway drainage, in conjunction with property East
	Investigate London Road (North and South) Completed March 2020
	Investigate Anglesey Drive drainage. Completed March 2020
	Investigate Clifford Road highway drains – discharge into Main River at Hazelbadge Bridge
	Investigate Brookfield Avenue – discharge to Main River
	Investigate Pickwick Road
	Investigate Dicken Lane/Yew Tree Lane
	Investigate Clumber road
	Reconstruct Wards End retaining wall. Due to be completed July 2020.
	Investigate drainage on Middlewood Road
	Proposed new access chamber on Woodside Lane. Meetings held on site Spring 2020 to seek feasibility with regards to local oil pipeline.
CEC as LLFA in conjunction with partners as applicable*	Investigate feasibility for a surface water separation (from sewer to watercourse) scheme upstream of Pine Walk/Elm Close/Cherry Tree Avenue at Worth Primary School

	Investigate feasibility of a surface water separation (from sewer to watercourse) scheme around Dickens Lane area
	Investigate feasibility of a “slow the flow” Natural Flood Management project for Coppice Stream – upstream of Waterloo Road, with partners and land owners
	Investigate feasibility of a “slow the flow” project for Park Lane Stream – upstream of Middlewood Road, with partners and land owners
	Assist with the investigation of the privately owned /riparian owned drainage system in the catchment upstream of Jacksons Brickworks.
Environment Agency	<p>As part of the post-flood recovery, EA teams went through main watercourse from Wards End Bridge to the Armcon Industrial Estate, and at key points and in the more built-up areas, removed flood wrack blockages to enhance conveyance. A similar process was undertaken further downstream at Wigwam Wood.</p> <p>The EA are also investigating the Main River capacity and bank heights at Armcon Industrial Estate.</p> <p>The EA have commissioned Cheshire Wildlife Trust to work with partners to implement NFM interventions upstream of Poynton.</p>

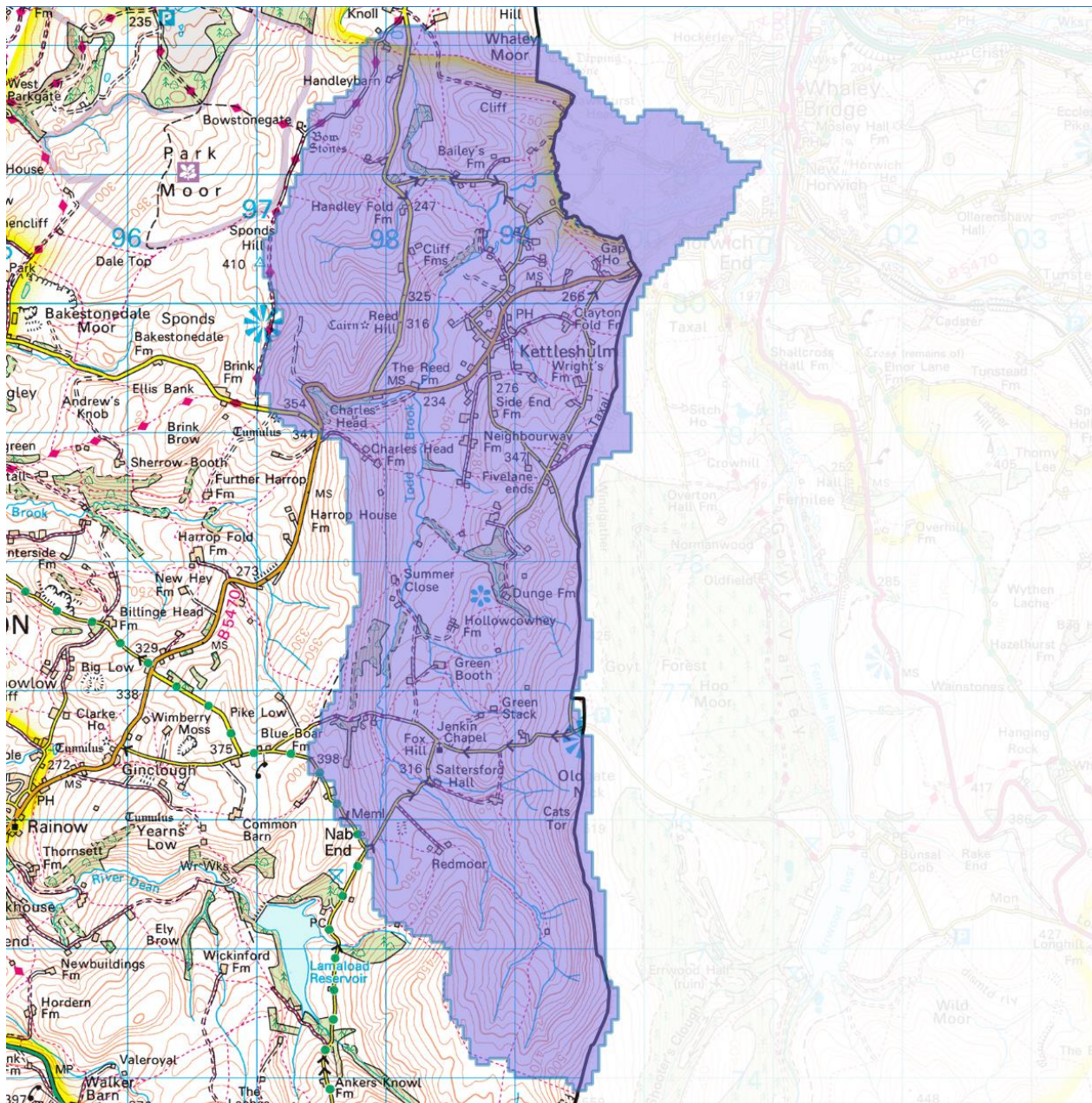
\*(United Utilities/Environment Agency/Land owners)



## 4.2 Todd Brook Catchment

The image below show the extent of the Todd Brook river catchment.

**Figure 37 Todd Brook Catchment**



**Table 6 Number of properties reported\* flooding in Kettleshulme:**

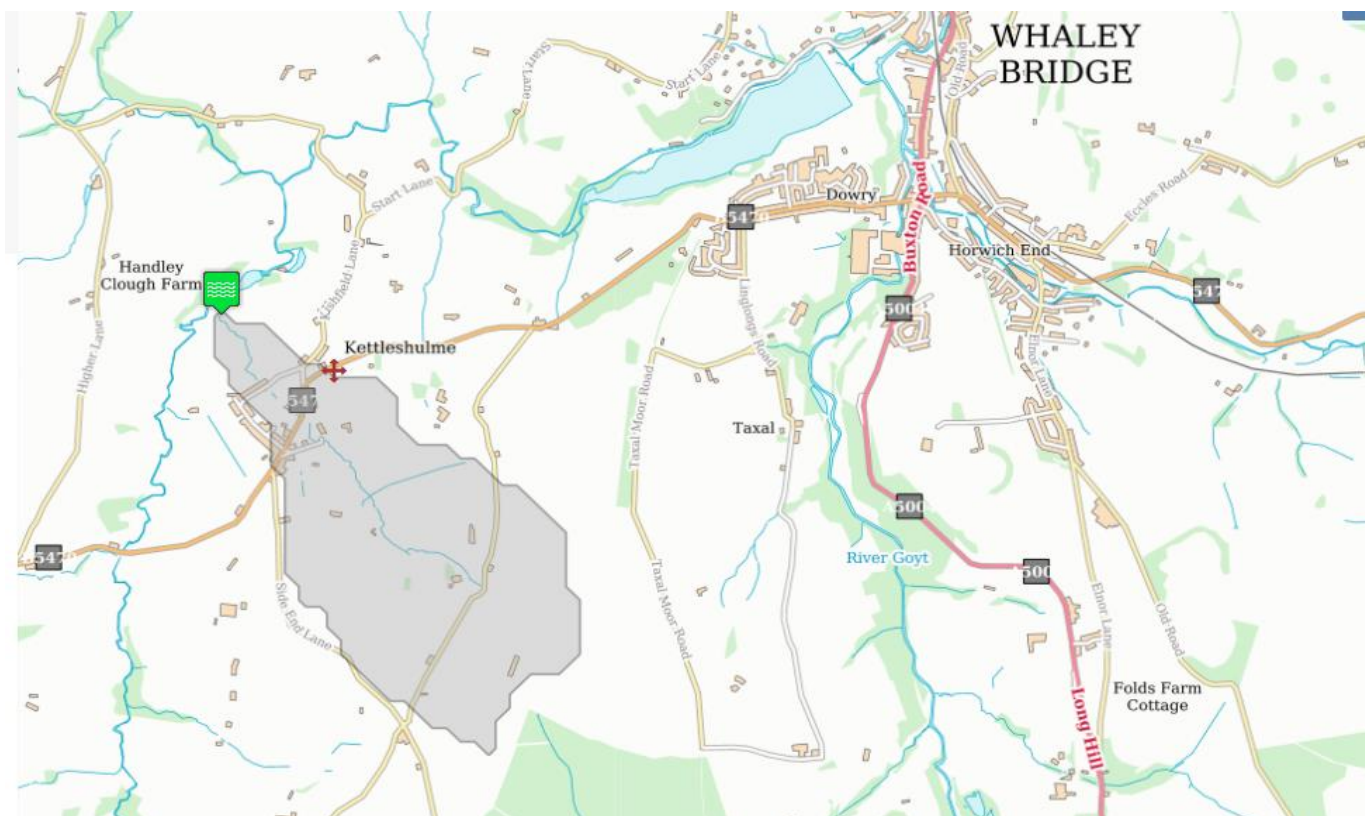
No. of properties reported*	July 2019
Residential flooding**	11
Commercial Flooding	3

\*formally reported to the Lead Local Flood Authority, Environment Agency and/or United Utilities

\*\* refers to reports of (internal property flooding, including integrated garages. This does not include: uninhabitable cellars, detached garages and gardens



Figure 38 Indicative catchment of tributary of Todd Brook



#### 4.2.1 Description of flooding in Kettleshulme (ordinary watercourse and surface water):

Following days of rainfall, local watercourses swelled as water poured down from the local saturated hillsides into the un-named tributaries that feed Todd Brook. The catchment map indicates the area which gathers rainfall and drains downstream towards Kettleshulme into Todd Brook and ultimately towards Whaley Bridge. The Cat and fiddle Rain gauge, which recorded the most rainfall, is just upstream of Kettleshulme and the Todd Brook catchment.

Following a large cloud burst on the afternoon of Wednesday 31<sup>st</sup> July, the small watercourse quickly rose, residents reporting a surge as watercourses levels rose by 2-3feet. This level was sustained for a period of approximately an hour, before levels rapidly started to drop. The water flowed over land and down roads to reach drains and watercourses, which flowed down through the local pub and garden centre carrying huge volumes of debris and silt, eventually flowing down adjacent to a row of terraced houses, the water entered residential properties at this location, and the pressure of the water caused severe structural damage resulting in the need for the cottages to be evacuated, uninhabitable until repair works have been completed.

This was not the only area within Kettleshulme; a property reported flooding from local drainage, which also was overwhelmed following the cloud burst.

Figure 39 Indicative catchment of Todd Brook tributary through Kettleshulme

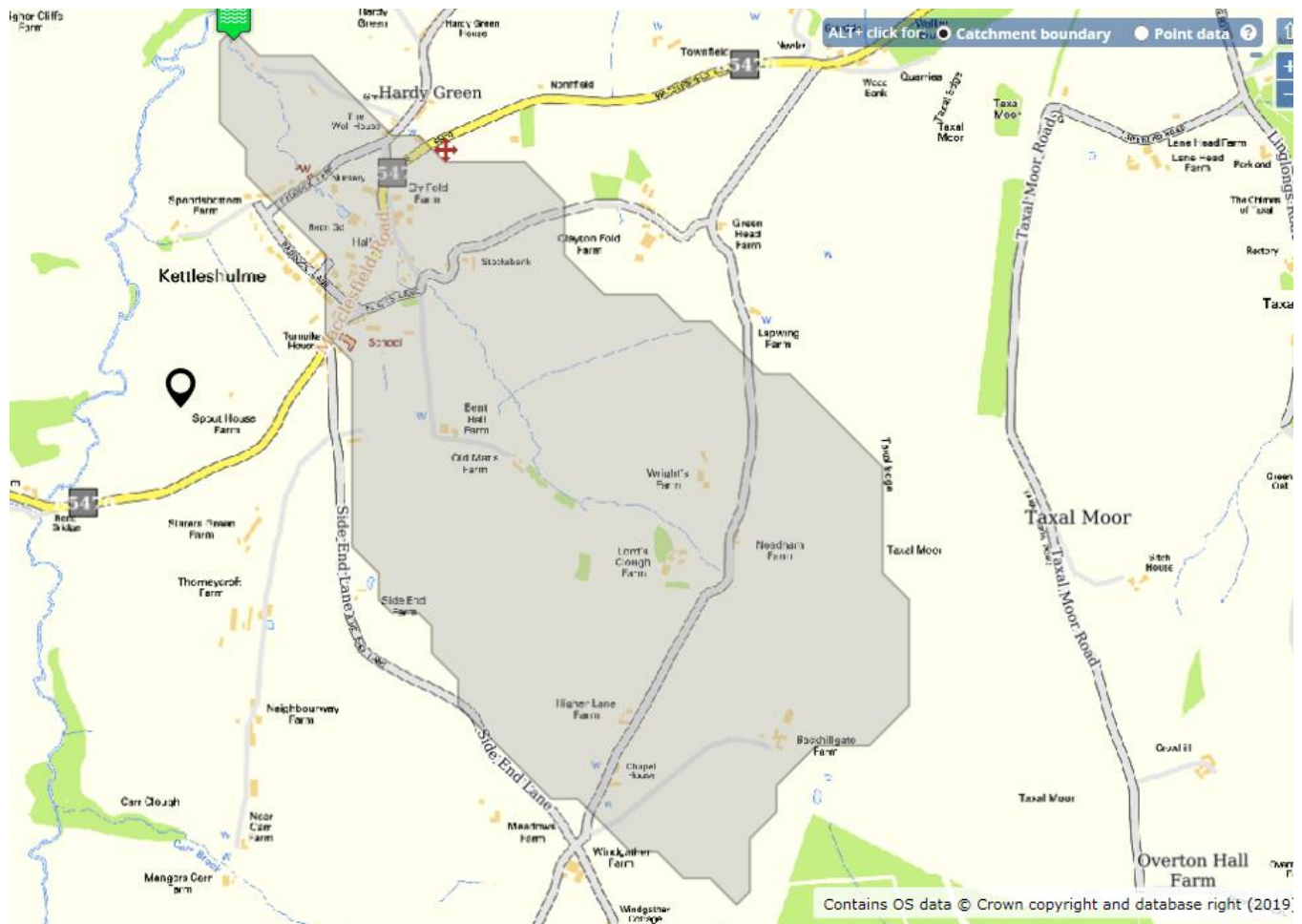
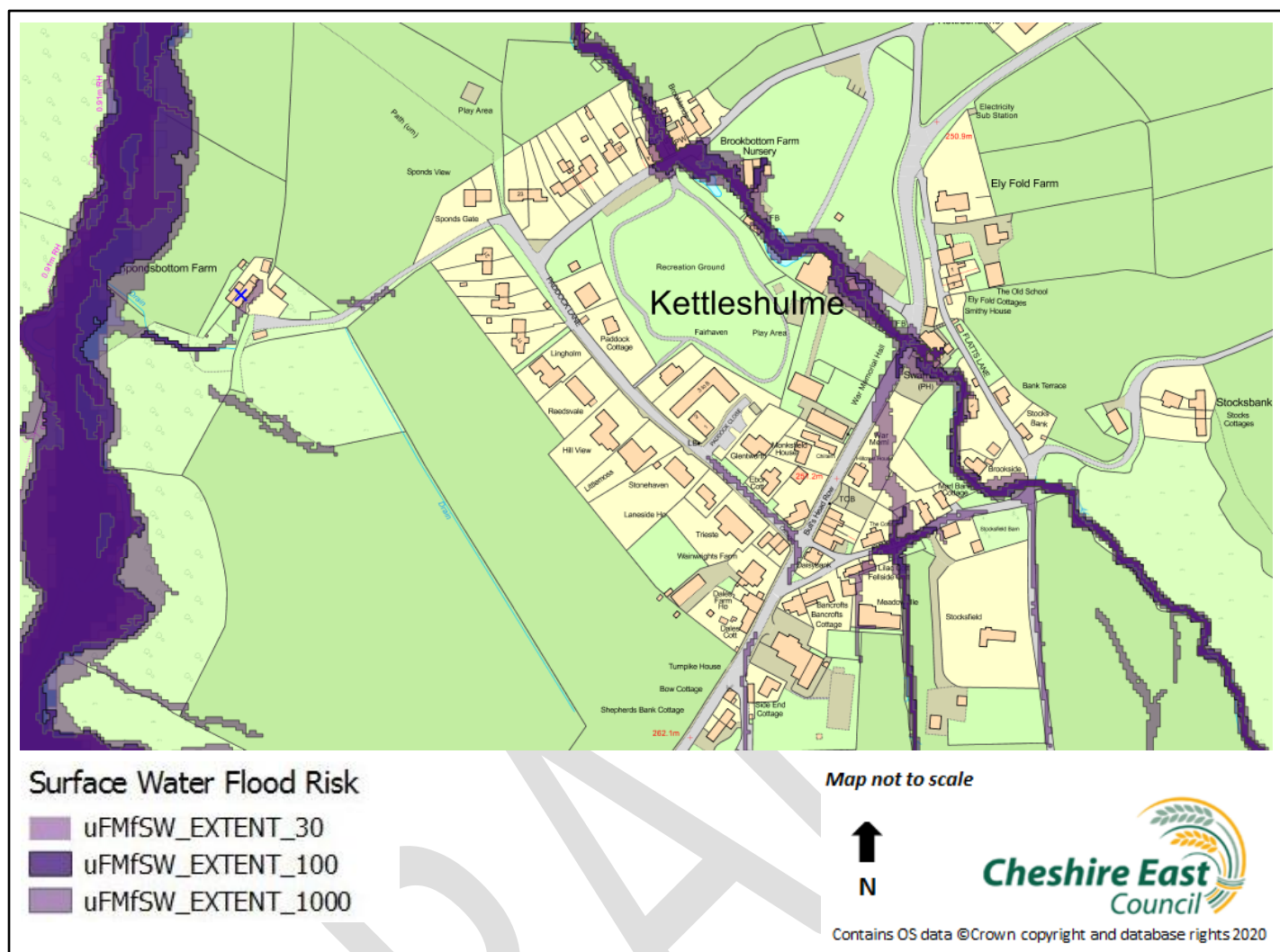


Figure 40 Flood risk for Kettleshulme



#### 4.2.2 Todd Brook Catchment - RMA Responses

Flooding was not initially reported to the risk management authorities. Discussions have been undertaken with the Parish Council and residents who are now working with Cheshire Flood Resilience team at Cheshire East Council to ensure that a community resilience plan is in place now that the risk of flooding has been identified in this area.

**Table 7 Response Timeline for Todd Brook Catchment**

Date & Time	RMA	Response
31/07/2019	Cheshire Fire and Rescue	Not notified
31/07/2019	Cheshire East Highways	Not notified
04/09/2019 3-7pm	Multi-Agency	Multi-Agency Drop in session, Civic Centre in Bollington attended by approximately 80 residents
04/10/2019	Environment Agency	Site visit with NFM practioners to look at upstream Natural Flod Management (NFM) intervention options.
10/08/2019	Environment Agency	Community Information Officers sent to verify flooding on site.
25/10/19	Environment Agency and Cheshire East	Community Resilience meeting at Kettleshulme Parish Council
07/05/20	Environment Agency and Cheshire East	Virtual community resilience meeting with Kettleshume Parish Council



#### 4.2.3 Kettleshulme, Todd Brook Catchment - Site Specific Recommendations

Based on the analysis for July 2019 flooding events, the following actions are recommended to the locals RMAs.

Table 8 Recommended actions for Todd Brook Catchment

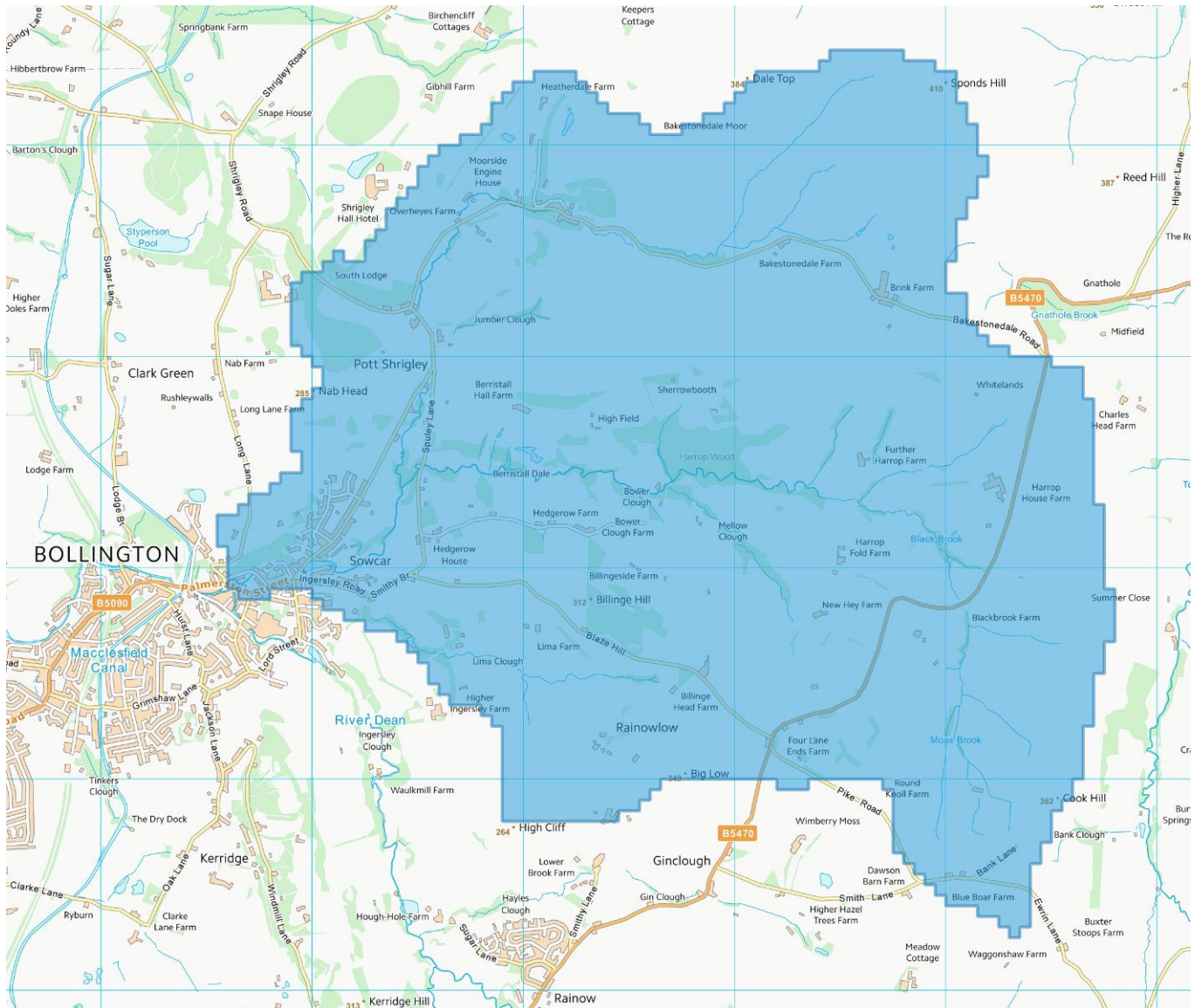
RMA	Recommended Action
Property Owners	Consider property level protection measures for those properties lower than adjacent land levels, and within a flood risk area where flow paths are identified on the flood risk maps. Advice can be provided by the LLFA and The Flood Hub: <a href="https://thefloodhub.co.uk/">https://thefloodhub.co.uk/</a>
Cheshire East as LLFA	Discuss and enforce where necessary the maintenance of local landowners drainage systems
Riparian Owners	Maintenance of local field drainage systems
CEC as LLFA in conjunction with partners as applicable*	EA instigated Natural Flood Management site visit. Work with local residents to ascertain land ownership. The EA have commissioned Cheshire Wildlife Trust to implement Natural Flood Management (NFM) interventions upstream of Kettleshulme.

\*(United Utilities/Environment Agency/Land owners)

### 4.3 Harrop Brook Catchment

The figure below shows the extent of the Harrop Brook catchment. Harrop Brook joins the River Dean at Bollington and forms the River Bollin.

**Figure 41 Harrop Brook Catchment**



**Flooding Mechanism: Surface water, Ordinary watercourse**

**Table 9 Number of properties reported\* flooding in Harrop Brook Catchment**

No. of properties reported	July 2019
Residential Flooding**	24
Commercial Flooding	4

\*formally reported to the Lead Local Flood Authority, Environment Agency and/or United Utilities.

\*\* refers to reports of (internal property flooding, including integrated garages. This does not include: uninhabitable cellars, detached garages and gardens



#### 4.3.1 Description of flooding at Bollington (Ingersley Road) (Ordinary Watercourse flooding)

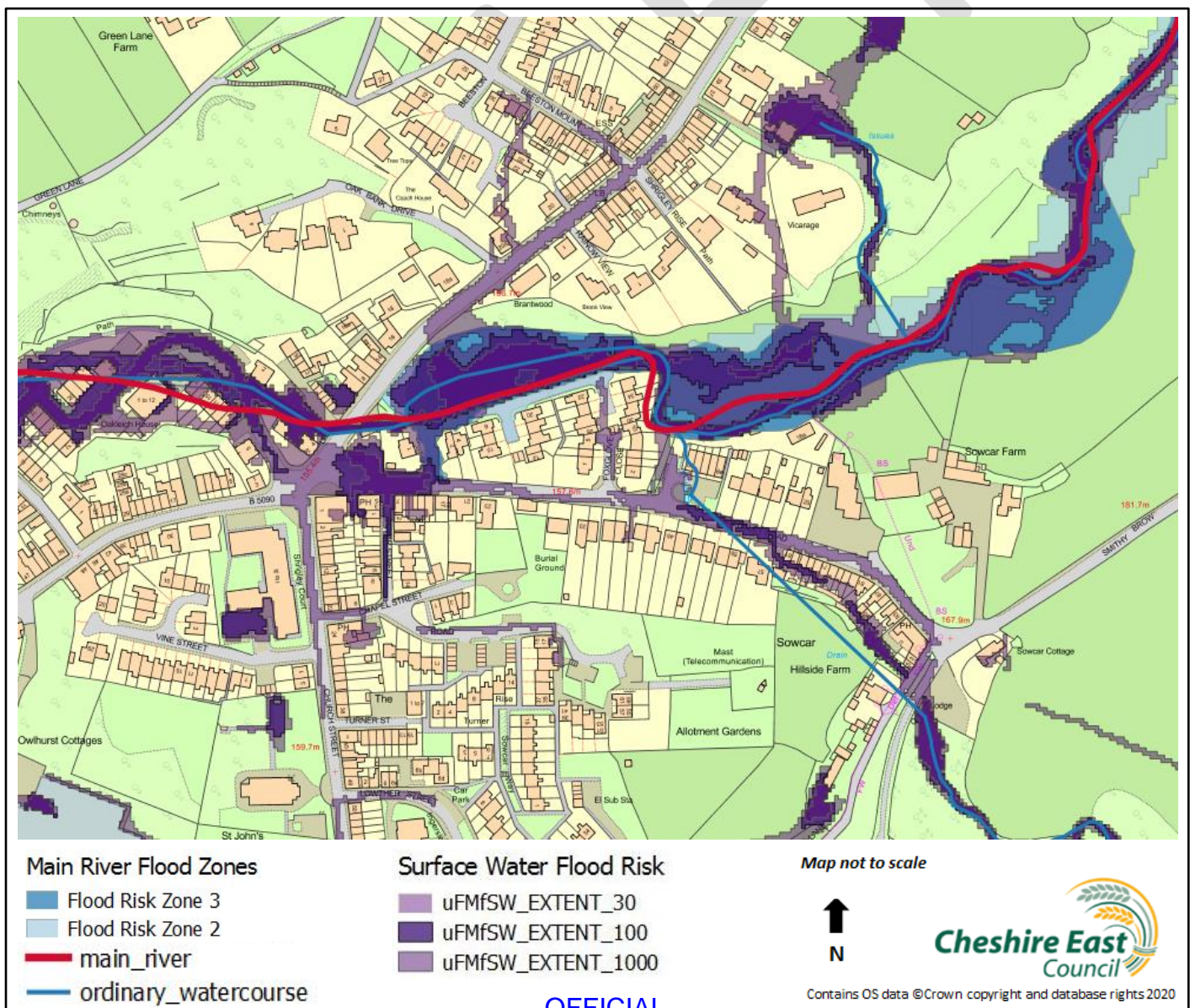
On Sunday 28<sup>th</sup> July a resident reported a crack appearing in Ingersley Road, they stated that the tarmac was lifting up along the crack and also the pavement appeared to have been lifted and sunk in places. It was stated that water was running out of these cracks down the road. This was reported to Cheshire East Highways, the Police and United Utilities. The site was inspected on Monday 29<sup>th</sup> July by the highways team. It was suggested to the residents that the culvert underneath the road surface may be blocked.

Following the torrential rainfall a section of Ingersley road was flooded by the early hours of Wednesday 31<sup>st</sup> July. The watercourse that runs under Ingersley Road Culvert, appears to have become obstructed during the flood event which resulted in a build-up of a large volume of water. Consequently the pressure built up to such an extent that the force of the water demolished the culvert and the surrounding road infrastructure.

Residents reported pumping flood water from outside the pub into the river, for 12 hours, using a number of pumps and from inside the pub to a local road gully. The road was closed with signs and cones on site.

Following the event significant levels of work are being undertaken to ensure that the water can flow freely along Ingersley Road Culvert. These works have now been completed. The restoration of this section of Ingersley Road entailed a significant level of work.

**Figure 42 Risk map for Ingersley Road, Bollington**





#### 4.3.2 Description of flooding at Pott Shrigley

Property and carriageway were inundated with water when the river levels rose and flowed out of bank. Site visits have confirmed these to be in locations where culverts were surcharged. This appears to correspond to the sheer volume of water, and flood debris rather than any specific capacity related issues.

#### 4.3.3 Harrop Brook Catchment – RMA responses

**Table 10 Response Timeline Harrop Brook – July 2019**

Date & Time	RMA	Response
29 <sup>th</sup> July 2019	Cheshire East Highways	Attended the site
31 <sup>st</sup> July 2019	Cheshire East Highways	Attended site, road was reported clear at 01:05am 01/08/2019
12 <sup>th</sup> , 13 <sup>th</sup> , 14 <sup>th</sup> August 2019	Environment Agency	Community information officers sent to Bollington to verify flooding Community information officers sent to Bollington to verify flooding
4 September 2019	Multi Agency	Multi agency flood drop in held at Bollington Civic Centre
7 <sup>th</sup> November 2019	Environment Agency	EA site visit to Pott Shrigley
27 <sup>th</sup> February 2020	Environment Agency	EA further site visit with Cheshire East

#### 4.3.4 Harrop Brook Catchment - Site Specific Recommendations

Based on the analysis for July 2019 flooding events, the following actions are recommended to the locals RMAs.

**Table 11 Recommended actions for Harrop Brook**

RMA	Recommended Action
Cheshire East Highways	A condition survey is to be conducted on the ordinary watercourse from Mill Lane to outfall into Harrop Brook.
	Review the extent of erosion to the embankment and the effect it could have on the structure of the road (brook at Mitchelfold)
	Kerb raising work, on request and with permission of property owner completed.
	Work ongoing to alleviate immediate impact of the culvert collapse and to determine the nature and extent of the repair work required.
Environment Agency	The Environment Agency served notice on the owner of the culvert to improve the culvert intake and works to improve this are underway and ongoing. The EA have commissioned Mersey Rivers Trust to implement Natural Flood Management (NFM) interventions upstream of Pott Shrigley.
Riparian Owners	Ensure that you have access to any watercourses that flow through your land, by installing suitable access chambers or seeking an agreement with neighbours to use theirs for access to inspect and maintain the watercourse.

\*(United Utilities/Environment Agency/Land owners)

#### 4.4 River Dean Catchment

Figure below shows the extent of the River Dean catchment. The orange shading shows the upper catchment (Llamaload to Bollington) and the purple shading the lower catchment (Bollington to the River Bollin).

Figure 43 River Dean Catchment

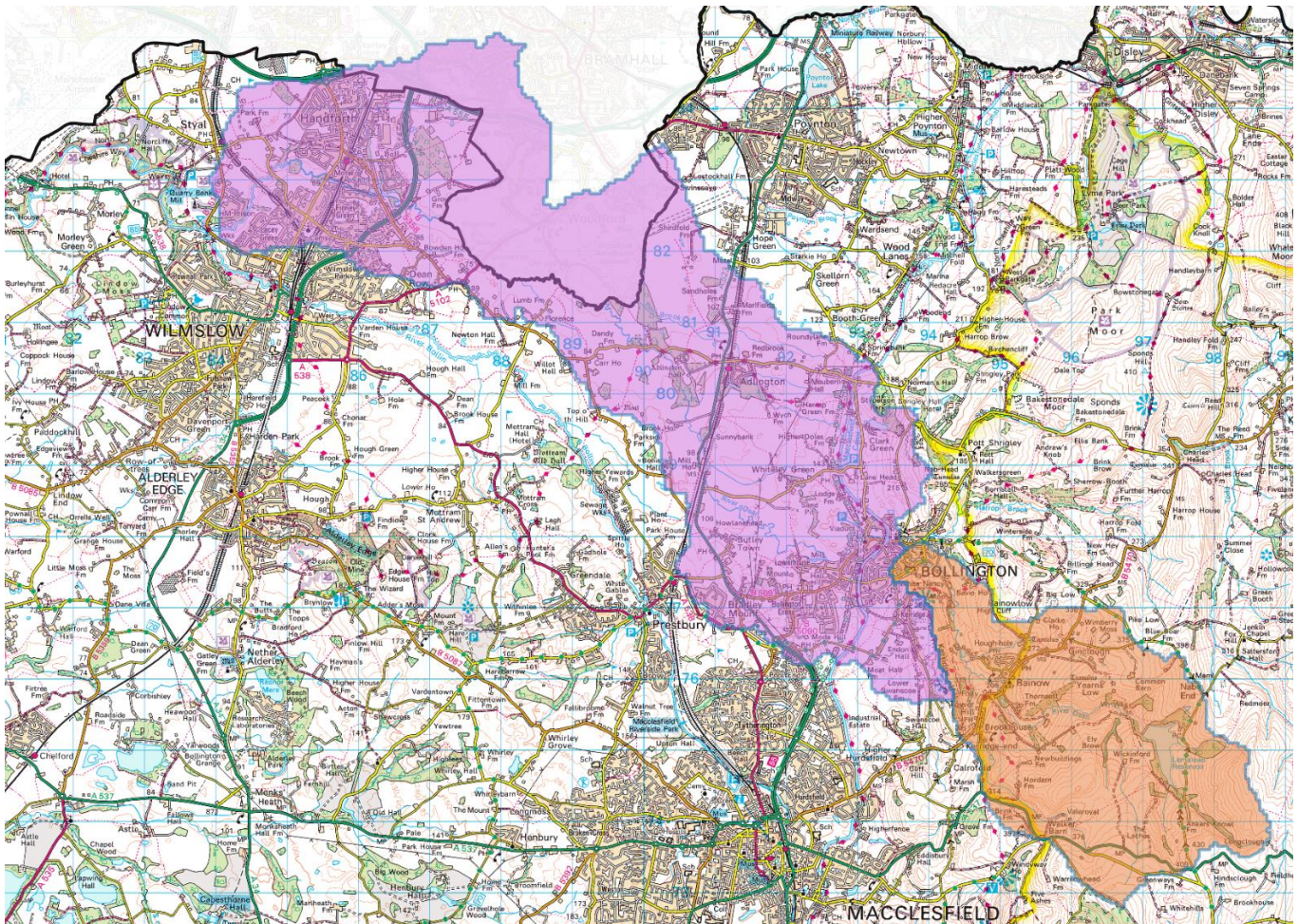


Table 12 Number of properties reported\* flooding in River Dean Catchment:

No. of properties reported*	July 2019
Residential flooding**	7
Commercial Flooding	1

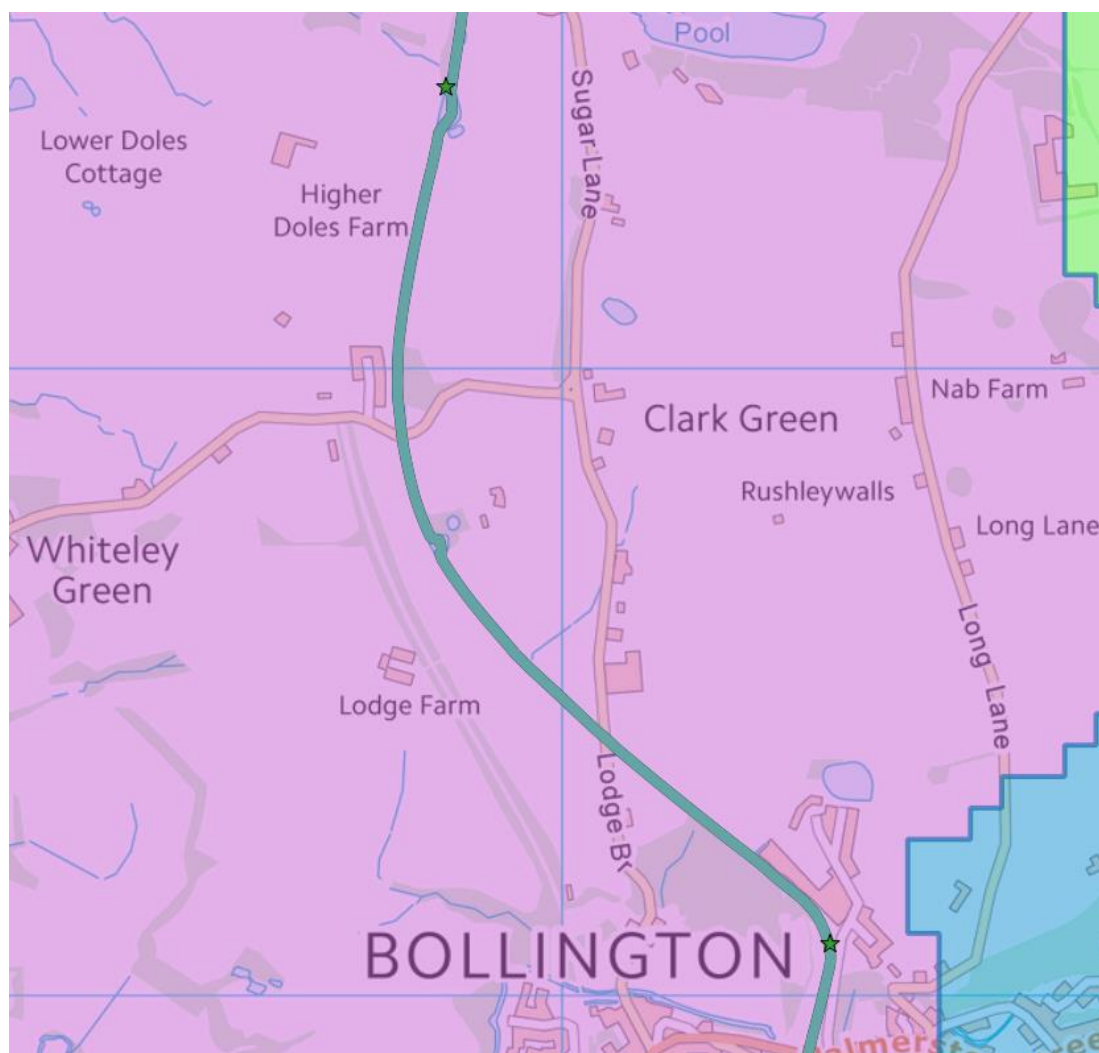
\*formally reported to the Lead Local Flood Authority, Environment Agency and/or United Utilities

\*\* refers to reports of (internal property flooding, including integrated garages. This does not include: uninhabitable cellars, detached garages and gardens



\*\* Internal flooding residential refers to reports of (internal property flooding, including integrated garages. This does not include: uninhabitable cellars, detached garages and gardens

**Figure 44 Canal Interactions with Dean catchment**



Symbols: Sluices shown as green stars near Clark Green and Clarence Road, no overflow weirs in the catchment.

#### **4.4.1 Description of flooding at River Dean (Main River)**

Residents in properties at Lowerhouse and Waterhouse Mill, saw elevated levels in the River Dean, but the water did not flow out of bank at this location.

The Recreation Ground was flooded by water from the River Dean combined with surface water, the water flowing and returning to the Dean downstream of the weir.

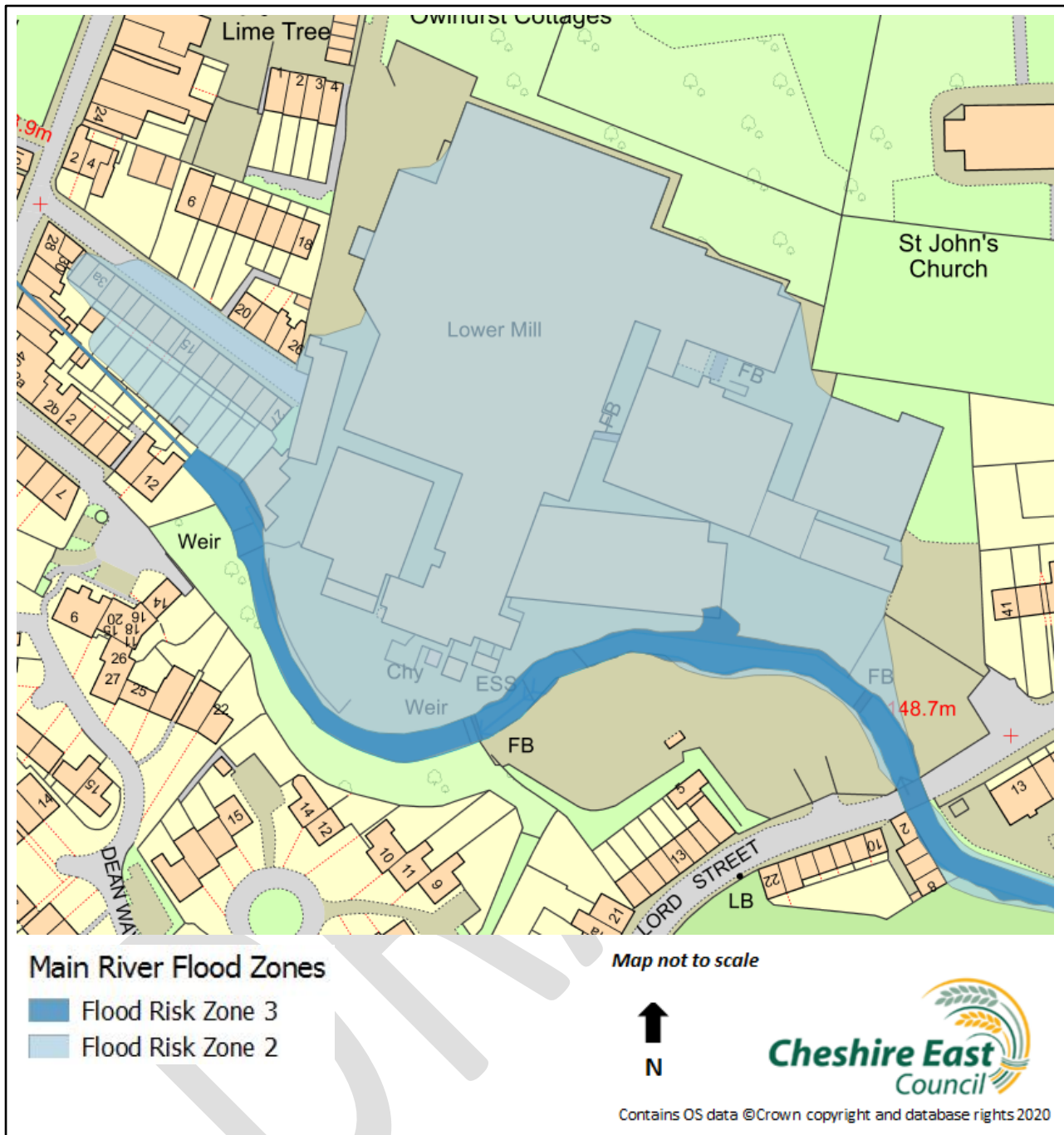
#### **4.4.2 Description of Main River flooding near Lower Mill/Oldham Street, Bollington.**

Lower Mill sits adjacent to the River Dean in the floodplain. During this event it was reported that flooding mechanism was caused by the Main River, River Dean. Water levels rose and breached the banks of the river flooding a nearby factory. The flood water then built up against the back wall of the factory (bordering Oldham Street) and finally caused a door to blow, allowing flood water to escape, flowing with some velocity. In a previous event (1998) a similar mechanism was reported.

Further downstream at Water street, a footbridge across the river reduced conveyance, causing a localised increase in water levels upstream.



Figure 45 Lower Mill, River Dean, Bollington



Further downstream at Water Street and John Street a footbridge across the river reduced conveyance, causing a localised increase in water levels upstream. As well as causing river levels to overtop the banks upstream, this exacerbated the local surface water drainage issues reported below, by elevating river levels and preventing local drainage routes to the river.

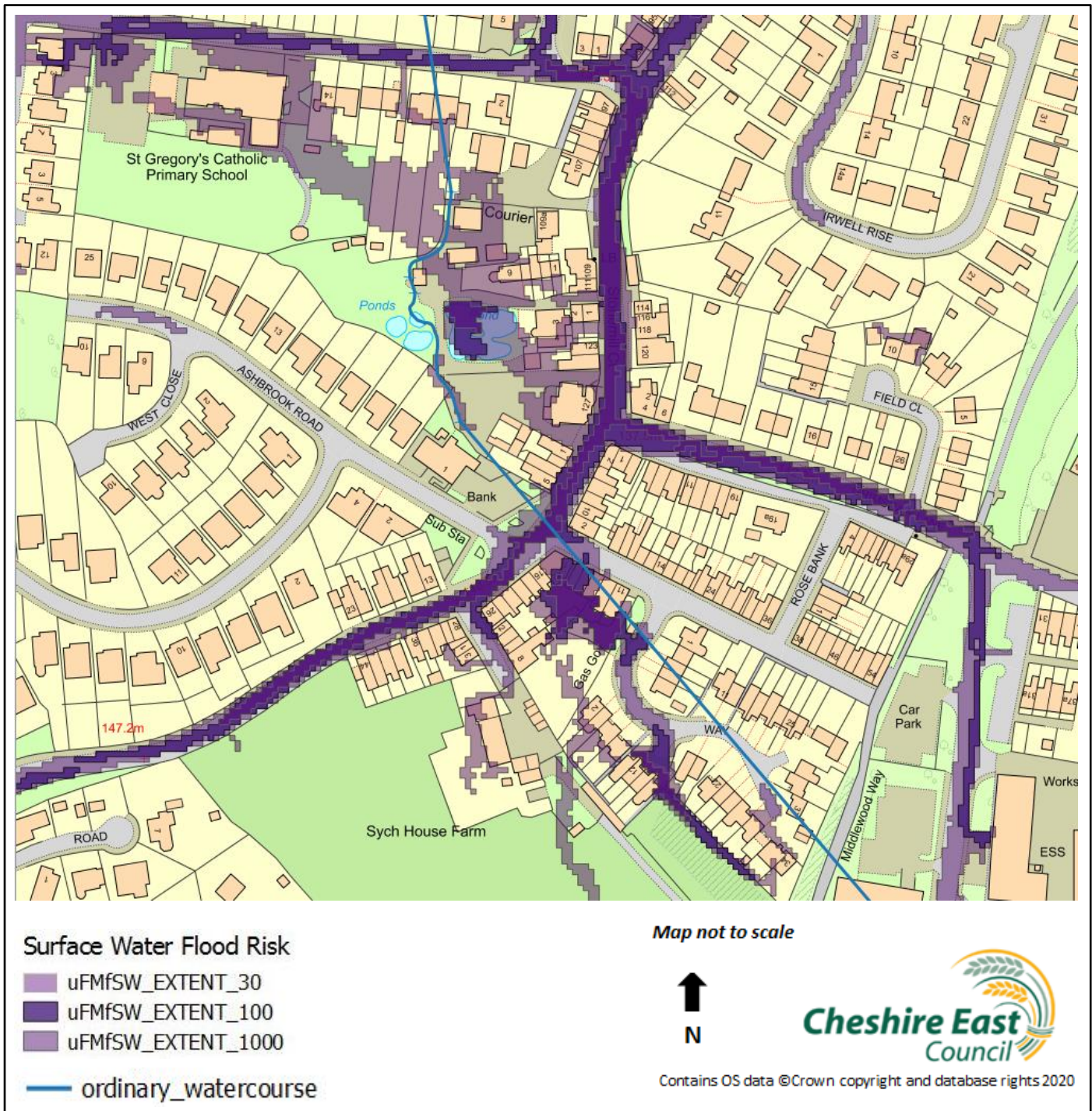
#### 4.4.3 Description of flooding at Princess Street (surface water/ordinary watercourse)

Flooding to local cellars and gardens experienced in this area. Two fire engines attended site to assist 5 local homeowners, highways and the Council were notified of flooding. Investigations following the event identified a blockage was found a section of ordinary watercourse.

The riparian owner was instructed to remove the blockage by the LLFA (blockage removed 24/09/2019) and ensure that the flow through this section is maintained.

Surface water systems maintained by United Utilities also outfall into this culverted section of the watercourse, United Utilities to investigate.

**Figure 46 Flood risk at Princess Street, Bollington**





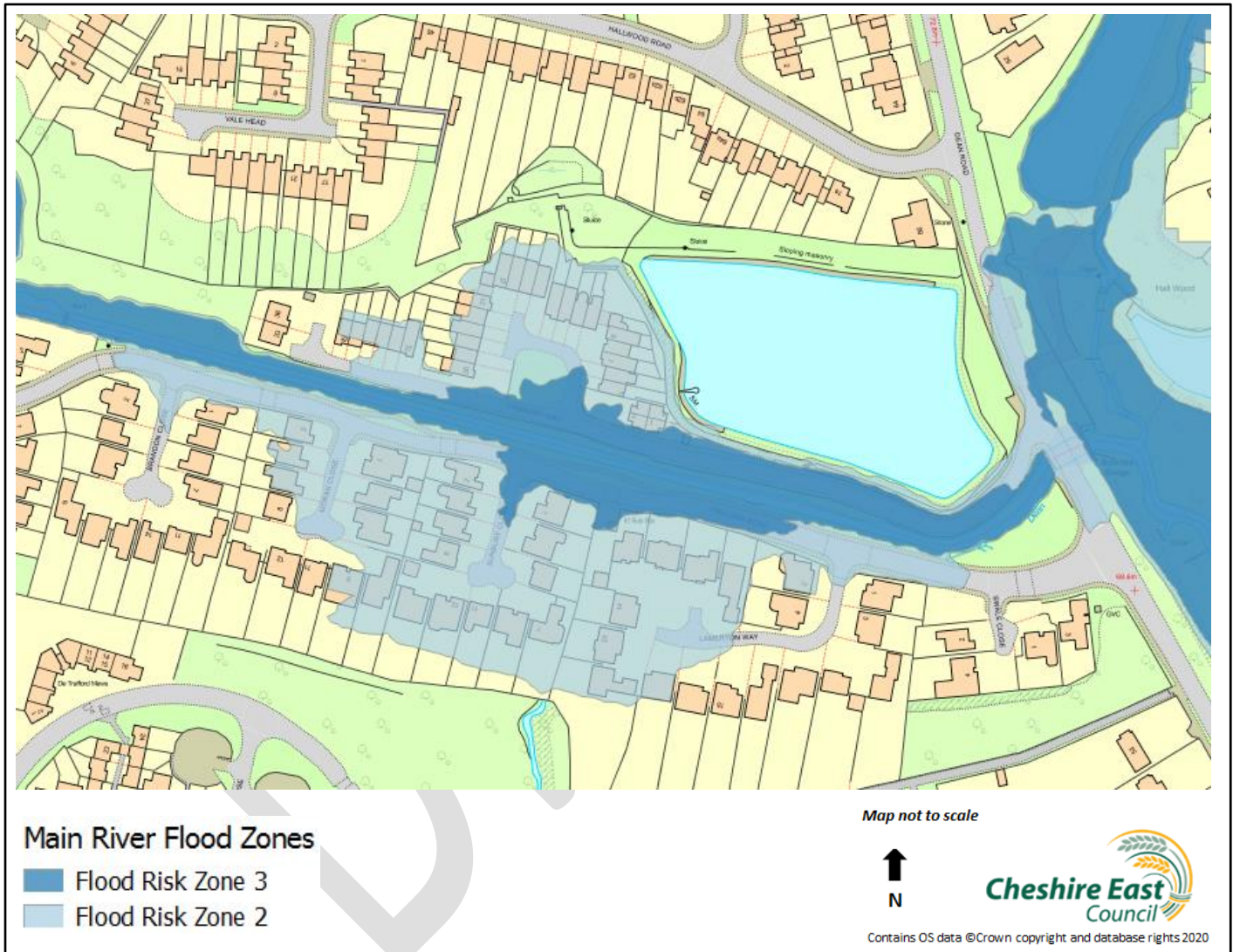
#### 4.4.4 Description of flooding in Wilmslow:

Environment Agency Community Information Officers attended on 5th August 2019, and found no evidence of internal flooding in Wilmslow town centre.

#### 4.4.5 Description of flooding in Handforth:

Finsbury Way which runs in parallel to River Dean was flooded by the Main River, flood water was reported into local driveways and up to doorstep level. The stream on the other side of the road between Finsbury Way and Welland Road is maintained by a pump and the water levels rise following heavy rainfall. This area is within floodzone 2 & 3 as indicated by the Environment Agency's risk map.

**Figure 47 Finsbury Way, River Dean**





#### 4.4.6 River Dean Catchment - RMA Responses

**Table 13 Response Timeline River Dean Catchment**

Date & Time	RMA	Response
31/07/2019	Cheshire Fire and Rescue	Attended site
31/07/2019	Environment Agency	Environment Agency site controller attended site at Handforth
31/07/2019	United Utilities	Attended site
31/07/2019	Cheshire East Highways	Attended site
05/08/2019	Environment Agency	Community Information Officers sent to Wilmslow, to verify flooding on site. No internal property flooding found
05/08/2019	Environment Agency	Community Information Officers sent to Handforth, to verify flooding on site.
12/08/2019	Environment Agency	Community Information Officers sent to Bollington, to verify flooding on site.
13/08/2019	Environment Agency	Community Information Officers sent to Bollington, to verify flooding on site.
14/08/2019	Environment Agency	Community Information Officers sent to Bollington, to verify flooding on site.
04/09/2019	Multi Agency	Community flood drop in held at Bollington Civic Centre attended by approximately 80 residents
12/09/19	Multi Agency	Community flood drop in held at Wilmslow Library attend by 11 residents

#### 4.4.7 River Dean Catchment - Site Specific Recommendations

Based on the analysis for July 2019 flooding events, the following actions are recommended to the locals RMAs.

**Table 14 Recommended actions for River Dean Catchment**

RMA	Recommended Action
CEC as LLFA in conjunction with partners as applicable*	Investigated flooding on Princess Street, in conjunction with United Utilities. A blockage was found in a section of ordinary watercourse.  The riparian owner was instructed to remove the blockage by the LLFA (blockage removed 24/09/2019) and ensure that the flow through this section is maintained.
Environment Agency	Investigate Lower Mill, River Dean. Flooding mechanism and existing fluvial controls

\*(United Utilities/Environment Agency/Land owners)



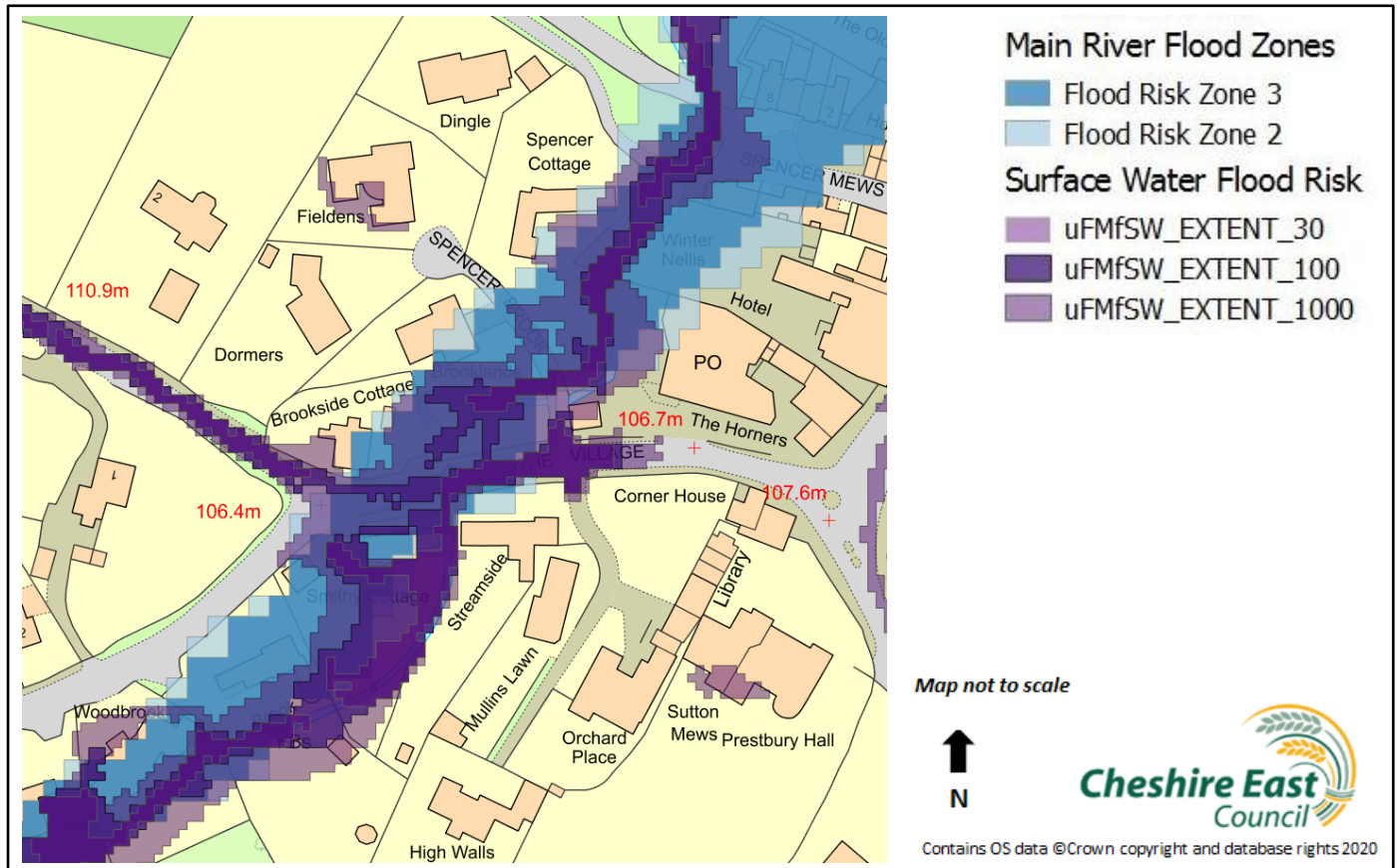
\*\* Internal flooding residential refers to reports of (internal property flooding, including integrated garages. This does not include: uninhabitable cellars, detached garages and gardens

#### 4.5.1 Description of flooding at Prestbury

Prestbury was affected by surface water flooding, with some residents experiencing property flooding and more narrowly avoiding water ingress into properties.

In the area known as The Village, surface water attempted to flow into Spencer Brook which is a Main River. In areas where this is prevented water will pond and accumulate. As the water levels in Spencer Brook rise, any surface water drainage system which outfall to this watercourse may not be able to do so.

**Figure 49 Spencer Brook, Prestbury**



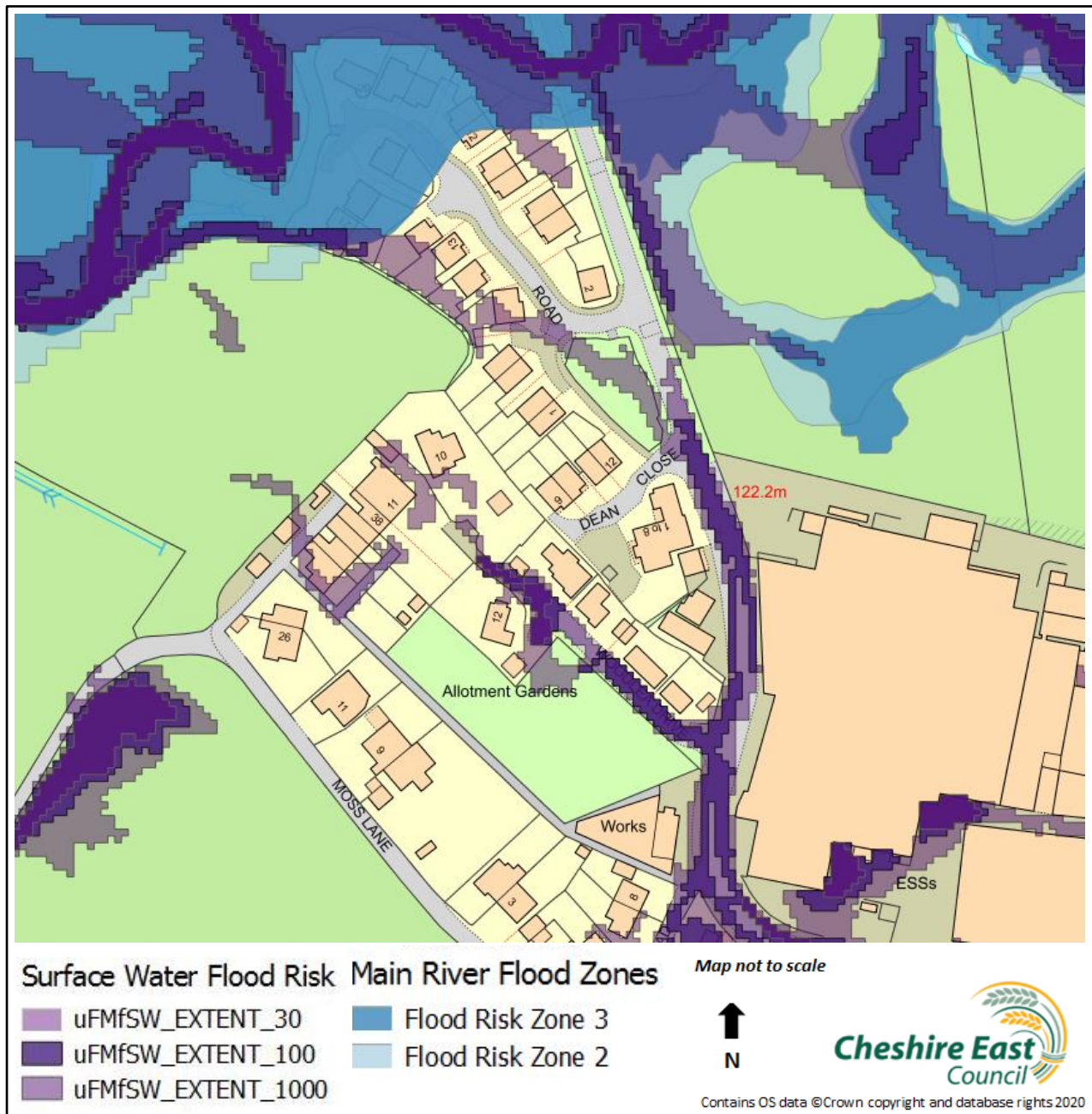


#### 4.5.2 Woodlea Drive (surface water)

Woodlea Drive is a short cul-de-sac of five houses with two further houses off a short drive at its 'closed' end. It runs slightly downhill off Albert road and has seven grids for collecting surface water. This should be perfectly adequate.

However in both the heavy rains of August 1st and 9th the area outside the bottom two houses was flooded by several inches; further, the flooding continued to the houses down the drive at the end. The water reached the front door of one of the properties, as it subsided the flood water deposited silt and sewer waste.

Figure 50 River Dean, Woodlea Drive



#### 4.5.3 River Bollin Catchment - RMA Responses

**Table 16 Response Timeline River Bollin Catchment**

Date & Time	RMA	Response
28/09/2019 10:24	Environment Agency	EA Flood alert issued
28/09/2019 12:42	Environment Agency	EA Flood alert issued
31/07/2019	Cheshire Fire and Rescue	Cheshire Fire and Rescue Service attended a total of 42 flooding related incidents in and around Poynton, Bollington and Wilmslow
31/07/2019	Environment Agency	Surface water flooding wasn't reported to the EA, so they were unaware
31/07/2019	Cheshire East Highways	Attended site
12/08/2019	Environment Agency	Community Information Officers sent to Bollington to verify flooding onsite
13/08/2019	Environment Agency	Community Information Officers sent to Bollington to verify flooding onsite
14/08/2019	Environment Agency	Community Information Officers sent to Bollington to verify flooding onsite

#### 4.5.4 River Bollin Catchment - Site Specific Recommendations

Based on the analysis for July 2019 flooding events, the following actions are recommended to the locals RMAs.

**Table 17 Recommended actions for the River Bollin Catchment**

RMA	Recommended Action
Cheshire East LLFA	Formal enforcement action taken where required by the Council under Land Drainage Act 1991. Situation will be monitored.
CEC as LLFA in conjunction with partners as applicable*	Investigate feasibility of flood mitigation measures with partners.

\*(United Utilities/Environment Agency/Land owners)

## 4.6 Other Impacts

### 4.6.1 Borough Road Closures

Road closures were in place during the flood event across Cheshire East including:

- Anglesey Drive, Poynton
- Bonis Hall Lane, Poynton – closed in both directions due to flooding
- Moggie Lane, Higher Poynton, following up on Police request due to the water compromising the bridge parapet.
- A555 - The section of the A555 between the Oil Terminal roundabout and the A6. The section between the Oil Terminal roundabout, heading down Woodford Road to the A34
- Styal Road, Wilmslow - closed in both directions
- Flash Lane, Astbury - closed in both directions
- Fol Hollow, Congleton - closed in both directions
- Mill Lane, Adlington - closed in both directions
- Moggie Lane, Higher Poynton - closed in both directions due to collapse of the bridge at the junction with Narrow Lane
- Skellorn Green Lane, Adlington - closed due to flooding at the junction with Street Lane and Cawley Lane
- A555 Manchester Airport link road
- Moggie Lane Bridge, Poynton
- London Road, Poynton
- Park Lane, Poynton
- Clumber Road, Poynton
- Ingersley Road, Bollington

### 4.6.2 Rail Closures

Train services affected between Manchester Airport and Wilmslow.



## 5 General actions by Risk management Authorities across Cheshire East during/post flooding 28<sup>th</sup> July onwards

Date & Time	RMA	Response
31/07/2019	Environment Agency	EA Flood alert issued
31/07/2019	Environment Agency	EA Flood warning issued
31/07/2019	Police	A major flooding incident has been declared
31/07/2019	Police	Emergency refuge centre opened in Handforth
31/07/2019	Police	Emergency refuge centre opened in Poynton
31/07/2019	Cheshire East Highways	Attended site
31/07/2019	Cheshire Fire and Rescue	Cheshire Fire and Rescue Service attended a total of 42 flooding related incidents in and around Poynton, Bollington and Wilmslow
31/07/2019	Environment Agency	Attended site
31/07/2019	United Utilities	Attended site
31/07/2019	Lead Local Flood Authority	Attended site Attended site
31/07/2019	Cheshire East Highways	Attended site
01/08/2019 am	Multi-Agency Meeting (SRCG 1)	Strategic recovery co-ordination group (Various teams from Cheshire East Council, Environment Agency, Police, Fire & Rescue, Public Health England, British Red Cross, RED North.
01/08/2019 pm	Multi-Agency Meeting (SRCG 2)	Strategic recovery co-ordination group (Various teams from Cheshire East Council, Environment Agency, Police, Fire & Rescue, Public Health England, British Red Cross, RED North, Warrington Borough Council, Meteorological Office.
02/08/2019	Multi-Agency Meeting (SRCG 3)	Strategic recovery co-ordination group (Various teams from Cheshire East Council, Environment Agency, Police, Fire & Rescue, RED North.
06/09/2019	CEC & UU	Incident response meeting
07/08/2019	Multi-Agency Meeting (SRCG 4)	Strategic recovery co-ordination group (Various teams from Cheshire East Council, Environment Agency, Police, Fire & Rescue, Public Health England, British Red Cross, RED North.
12/08/2019	Multi-Agency Meeting (SRCG 5)	Strategic recovery co-ordination group (Various teams from Cheshire East Council, Environment Agency, Police, RED North.
15/08/2019 1-7pm	Multi-Agency	Multi-Agency Drop in session, Civic Centre in Poynton attended by approximately 300 residents
04/09/2019	Mult Agency	Mult Agency Drop in session, Bollington Civic Centre attended by approximately 80 residents
12/09/2019 3-7pm	Multi-Agency	Multi-Agency Drop in session, Library in Wilmslow attended by 11 residents
20/08/2019	Multi-Agency Meeting (SRCG 6)	Strategic recovery co-ordination group (Various teams from Cheshire East Council, Environment Agency and Police.
13/09/2019	Multi-Agency Meeting (SRCG 7)	Strategic recovery co-ordination group (Various teams from Cheshire East Council and Environment Agency.
13/09/2019	Multi-Agency	Strategic recovery co-ordination group stood down from recovery phase to investigation phase.

## 6 Generic Recommendations for all Risk management Authorities and local communities

RMA	Recommended Action
Cheshire East Council as Emergency Planning	Invite affected town/parish councillors to strategic group multi-agency response meetings.
	Prepare a flooding factsheet, to be hosted online and printed and displayed following flood events in key locations via Town/Parish Councils. Paper copies to be printed by Town/Parish Councils and distributed on request.
	Continue to work with Town and Parish Councils to develop Community Resilience plans. Community Resilience Plans will require review to maintain currency, by local communities.
Cheshire East Highways	Maintain efficient operation of highway drains and structures
	Ensure necessary recovery works are carried out to local highway drains following flood event
Cheshire East Council as LLFA in conjunction with Environment Agency	Consider additional flood mitigation schemes in areas of known flood risk.
CEC as LLFA in conjunction with partners as applicable	Continue to manage flood risk from new development. Seek flood risk benefits from new development where possible
Environment Agency	Consider flood mitigation schemes for Poynton, Kettleshulme and Pott Shrigley, and other locations, including leading on potential Natural Flood Management for surface and ordinary watercourse flood risk as well as Main River.
Riparian Owners	Understand responsibilities of being a riparian owner: <a href="https://www.gov.uk/guidance/owning-a-watercourse#get-advice">https://www.gov.uk/guidance/owning-a-watercourse#get-advice</a>
	Monitor and maintain flow in watercourse, clear debris and screens when safe to do so and adhere to the rules regarding restricted development with 8m of a watercourse
Property Owners	Check your properties risk from fluvial flooding online: <a href="https://flood-map-for-planning.service.gov.uk/">https://flood-map-for-planning.service.gov.uk/</a>
	Check your properties risk from surface water flooding online: <a href="https://flood-warning-information.service.gov.uk/long-term-flood-risk/map">https://flood-warning-information.service.gov.uk/long-term-flood-risk/map</a>
	Prepare a flood plan and discuss this with all members of the household: <a href="https://thefloodhub.co.uk/">https://thefloodhub.co.uk/</a>

	<p>If you live in a flood risk area, make sure you have property flood insurance. If your premium or excess is too expensive, "Flood Re" could help you to access affordable cover: <a href="https://thefloodhub.co.uk/">https://thefloodhub.co.uk/</a></p>
	<p>Consider installation of Property Level Protection such as flood doors, barriers, non-return valves, or air brick covers: <a href="https://thefloodhub.co.uk/">https://thefloodhub.co.uk/</a></p>
	<p>Establish flood action groups. Guidance and support can be provided by The Flood Hub. Town/Parish Councils have access to existing community resilience plans, work together to ensure these documents are current and accessible</p>
Communities and individuals	<p>Do not to enter or walk in flood waters either as there are often hidden dangers under the surface, e.g., missing manhole covers or debris and may contain infectious organisms, including intestinal bacteria such as E. coli, Salmonella, and tetanus.</p>
	<p>Do not lift and leave manholes uncovered during flood events unless a) you are authorised to do and b) the hazard is clearly marked</p>
	<p>Do not drive into flood water that's a) moving and/or b) more than 10cm (4 inches) deep, unless you are in an emergency vehicle.</p> <p>Driving through flood water generates bow waves, which may increase flood impacts within your community and may damage your vehicle.</p>
	<p>Information service / Q&amp;A be available on the both the Flood Hub <a href="https://thefloodhub.co.uk/">https://thefloodhub.co.uk/</a> and Cheshire East Council <a href="https://www.cheshireEast.gov.uk/planning/flooding/flooding.aspx">https://www.cheshireEast.gov.uk/planning/flooding/flooding.aspx</a> websites to assist in signposting residents to the relevant departments and agencies to resolve problems and respond to concerns.</p>



## 7 Conclusion

Based on the investigation of the flood event, the relevant Flood Risk Management Authorities (RMAs) across the area were the: Environment Agency, Cheshire East Council, Cheshire East Highways, Lead Local Flood Authority, and United Utilities in relation to the flooding from Main Rivers, ordinary watercourses, surface water and sewers in response to the rainfall events.

These agencies have exercised or have proposed to exercise the correct function in response to the flood, in accordance with their duties under the Flood and Water Management Act 2010 and other relevant UK legislation. Recommendations have been provided to each RMA on a site-specific basis; these are found under the relevant section of the report. The delivery of these actions will be heavily dependent on funding availability and other RMA priorities.

Some work has already been carried out or is already planned by the RMAs in response to the flooding events. The implementation of the recommendations will be monitored and implemented in line with the Cheshire East Council Local Flood Risk Management Strategy:

<https://www.cheshireeast.gov.uk/planning/flooding/floods-and-flood-risk/flood-risk-management.aspx>

Recommendations for local communities, residents and land owners are also included.

## Appendix A – Contacts and useful websites

**Key Flooding Contact Details:** The following gives guidance on whom to contact about various types of flooding.

Always contact the emergency services first (**999**) if you or a family member is in immediate danger.

### Flooding from a Public Sewer

United Utilities	Report sewer flooding 0345 6723 723 <a href="http://www.unitedutilities.com">www.unitedutilities.com</a>
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### Flooding from a Burst Water Mains

United Utilities	Report a leak 0800 330033 <a href="http://www.unitedutilities.com">www.unitedutilities.com</a>
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### Flooding from the Public Highway or Ordinary Watercourses (Non-Main River)

Cheshire East Highways Service	To report an incident 0300 123 5020 To report an incident out of working hours 0300 123 5025 (for use after 5pm and before 9am, including weekends.) <a href="https://www.cheshireeast.gov.uk/home.aspx">https://www.cheshireeast.gov.uk/home.aspx</a>
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### Flooding from a Main River

Environment Agency	General enquiries 03708 506 506 (Mon-Fri, 8am – 6pm) Incident hotline 0800 80 70 60 (24 hour service) Floodline 0345 988 1188 (24 hour service) General enquiries email <a href="mailto:enquiries@environment-agency.gov.uk">enquiries@environment-agency.gov.uk</a> <a href="https://www.gov.uk/government/organisations/environment-agency">https://www.gov.uk/government/organisations/environment-agency</a>
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### Useful Web Resources:

The following web links contain useful information about being prepared, understanding flood risk and reporting drainage issues to CEC.

### Being Prepared

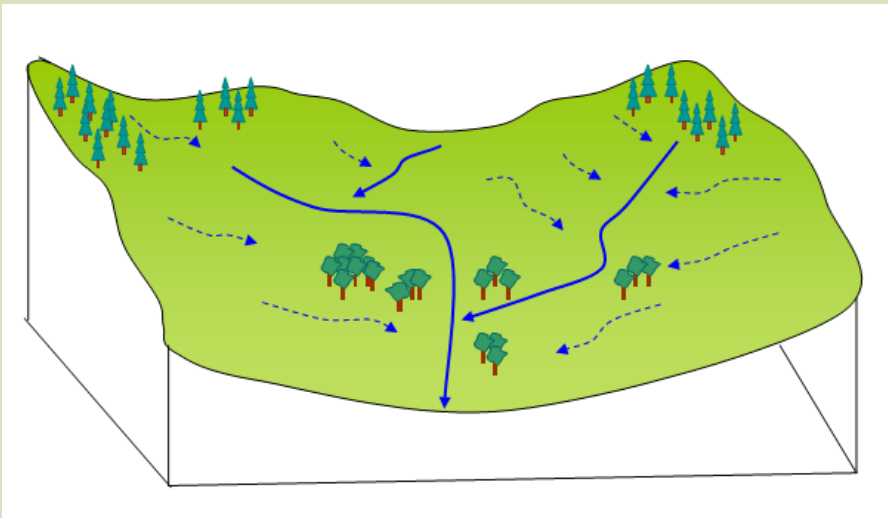
Prepare for a flood and get help during and after:	<a href="https://www.gov.uk/government/publications/flooding-what-to-do-before-during-and-after-a-flood">https://www.gov.uk/government/publications/flooding-what-to-do-before-during-and-after-a-flood</a>
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Be ready for flooding:	<a href="https://www.gov.uk/prepare-for-flooding">https://www.gov.uk/prepare-for-flooding</a>
Make a personal flood plan:	<a href="https://www.gov.uk/government/publications/personal-flood-plan">https://www.gov.uk/government/publications/personal-flood-plan</a>
Prepare your property for flooding:	<a href="https://www.gov.uk/prepare-for-flooding/future-flooding">https://www.gov.uk/prepare-for-flooding/future-flooding</a>
<b>Understanding Flood Risk and Flood Warnings</b>	
Check current flood warnings and river levels:	<a href="https://www.gov.uk/check-flood-risk">https://www.gov.uk/check-flood-risk</a>
Sign up for flood warnings:	<a href="https://www.gov.uk/sign-up-for-flood-warnings">https://www.gov.uk/sign-up-for-flood-warnings</a>
<b>Reporting a Flood</b>	
Report flooding from a public highway to CEC:	<p>To report an incident 0300 123 5020</p> <p>To report an incident out of working hours 0300 123 5025 (for use after 5pm and before 9am, including weekends.)</p>
Report a problem with a drain or a grid (also known as a gully):	<p>To report an incident 0300 123 5020</p> <p>To report an incident out of working hours 0300 123 5025 (for use after 5pm and before 9am, including weekends.)</p>



## Appendix B - Glossary

The glossary below defines some of the frequently used terminology within the flood risk management industry and this document.

Term	Definition
<b>Annual Exceedance Probability (AEP)</b>	Flood events are defined according to their likelihood of a particular flood occurrence in any one year. For example, a flood with an annual probability of 1 in 100 can also be referred to as a flood with a 1% annual probability. This means that every year there is a 1% chance that this magnitude flood could occur.
<b>Bifurcation</b>	The division of something into two branches or parts. Bifurcation channel is where the channel splits into two reaches.
<b>Catchment Area</b>	<p>When rain falls on an area of land, the water travels downhill and typically collects in ponds or travels on through a river. The area where this happens is called a Catchment Area. In a catchment area water can be collected through rain or drained by rivers or streams or manmade drainage systems. A catchment area can also be known as Drainage Basin</p> 
<b>Category 1 Responders</b>	Organisations at the core of the response to most emergencies (the emergency services, local authorities, NHS bodies). Category 1 responders are subject to the full set of civil protection duties.
<b>CEC</b>	Cheshire East Council
<b>CEH</b>	Cheshire East Highways Service
<b>CFRS</b>	Cheshire Fire and Rescue Service
<b>EA</b>	Environment Agency
<b>Flood Risk Management Function</b>	A function listed in the Act (or related Acts) which may be exercised by a risk management authority for a purpose connected with flood risk management.
<b>FWMA (2010)</b>	Flood and Water Management Act 2010
<b>Very Low Flood Risk</b>	Area with a very low probability of flooding from rivers (< 1 in 1,000 annual chance of flooding or <0.1%).
<b>Low Flood Risk</b>	Area with a low probability of flooding from rivers (between a 1 in 1000 and 1 in 100 annual chance of flooding or between 0.1% and 1%)
<b>Medium Flood Risk</b>	Area with a medium probability of flooding from rivers (between a 1 in 100 and 1 in 30 annual chance of flooding or between 1% and 3.33%).
<b>High Flood Risk</b>	Area with a high probability of flooding from rivers (> 1 in 30 annual chance of flooding or greater than 3.3%).
<b>Instances of property flooding</b>	This is a count of the reported incidents of internal property flooding that occurred across the event. Properties which were flooded twice are accounted for twice and therefore not a count of the number of properties.
<b>LLFA</b>	Lead Local Flood Authority
<b>Main River</b>	Main Rivers are usually larger streams and rivers, but some of them are smaller watercourses

Term	Definition
	of local significance. Main Rivers indicate those watercourses for which the Environment Agency is the relevant risk management authority.
<b>Ordinary Watercourse</b>	An ordinary watercourse includes every river, stream, ditch, drain, cut, dyke, sluice, sewer (other than public sewer) and passage through which water flows which does not form part of a Main River. The Lead Local Flood Authority, District/Borough Council or Internal Drainage Board is the relevant risk management authority.
<b>Return Period</b>	Statistical measure used to represent the magnitude of an event. For example the probability of a flood in any one year may be expressed as 1% or 1 in 100 years. This does not mean that such a flood would occur every 100 years it is a statistical measure that suggests that in any given year, there is a 1% chance that it will happen, regardless of when the last similar event was. Or, put differently, it is 10 times less likely to occur than a flood with a 10% AEP or 1 in 10 years return period.
<b>Riparian Owner</b>	Owner of land adjoining, above or with a watercourse running through it who has certain rights and responsibilities, i.e. maintenance of the watercourse to prevent restrictions thus leading to fluvial flooding. <a href="https://www.gov.uk/guidance/owning-a-watercourse">https://www.gov.uk/guidance/owning-a-watercourse</a>
<b>SOP</b>	Standard of Protection, protection offered by a defence/structure usually expressed as an annual exceedance probability
<b>RMA</b>	Risk Management Authority
<b>uFMfSW_EXTEN_30</b>	Updated Flood Map from Surface Water 30yr Return period
<b>uFMfSW_EXTEN_100</b>	Updated Flood Map from Surface Water 100yr Return period
<b>uFMfSW_EXTEN_1000</b>	Updated Flood Map from Surface Water 1000yr Return period
<b>UU</b>	United Utilities



## **FORWARD PLAN FOR THE PERIOD ENDING 31<sup>ST</sup> DECEMBER 2020**

This Plan sets out the key decisions which the Executive expects to take over the period indicated above. The Plan is rolled forward every month. A key decision is defined in the Council's Constitution as:

“an executive decision which is likely –

- (a) to result in the local authority incurring expenditure which is, or the making of savings which are, significant having regard to the local authority's budget for the service or function to which the decision relates; or
- (b) to be significant in terms of its effects on communities living or working in an area comprising one or more wards or electoral divisions in the area of the local authority.

*For the purpose of the above, savings or expenditure are “significant” if they are equal to or greater than £1M.”*

Reports relevant to key decisions, and any listed background documents, may be viewed at any of the Council's Offices/Information Centres 5 days before the decision is to be made. Copies of, or extracts from, these documents may be obtained on the payment of a reasonable fee from the following address:

Democratic Services Team  
Cheshire East Council  
c/o Westfields, Middlewich Road, Sandbach Cheshire CW11 1HZ  
Telephone: 01270 686472

However, it is not possible to make available for viewing or to supply copies of reports or documents the publication of which is restricted due to confidentiality of the information contained.

A record of each key decision is published within 6 days of it having been made. This is open for public inspection on the Council's Website, at Council Information Centres and at Council Offices.

This Forward Plan also provides notice that the Cabinet, or a Portfolio Holder, may decide to take a decision in private, that is, with the public and press excluded from the meeting. In accordance with the Local Authorities (Executive Arrangements) (Meetings and Access to Information) (England) Regulations 2012, 28 clear days' notice must be given of any decision to be taken in private by the Cabinet or a Portfolio Holder, with provision for the public to make representations as to why the decision should be taken in public. In such cases, Members of the Council and the public may make representations in writing to the Democratic Services Team Manager using the contact details below. A further notice of intention to hold the meeting in private must then be published 5 clear days before the



meeting, setting out any representations received about why the meeting should be held in public, together with a response from the Leader and the Cabinet.

The list of decisions in this Forward Plan indicates whether a decision is to be taken in private, with the reason category for the decision being taken in private being drawn from the list overleaf:

1. Information relating to an individual
2. Information which is likely to reveal the identity of an individual
3. Information relating to the financial or business affairs of any particular person (including to authority holding that information)
4. Information relating to any consultations or negotiations, or contemplated consultations or negotiations, in connection with any labour relations matter arising between the authority or a Minister of the Crown and employees of, or office holders under the authority
5. Information in respect of which a claim to legal and professional privilege could be maintained in legal proceedings
6. Information which reveals that the authority proposes (a) to give under any enactment a notice under or by virtue of which requirements are imposed on a person; or (b) to make an order or direction under any enactment
7. Information relating to any action taken or to be taken in connection with the prevention, investigation or prosecution of crime

If you would like to make representations about any decision to be conducted in private at a meeting, please email:

Paul Mountford, Executive Democratic Services Officer  
[paul.mountford@cheshireeast.gov.uk](mailto:paul.mountford@cheshireeast.gov.uk)

Such representations must be received at least 10 clear working days before the date of the Cabinet or Portfolio Holder meeting concerned.

Where it has not been possible to meet the 28 clear day rule for publication of notice of a key decision or intention to meet in private, the relevant notices will be published as soon as possible in accordance with the requirements of the Constitution.

The law and the Council's Constitution provide for urgent key decisions to be made. Any decision made in this way will be published in the same way.

Forward Plan

<b>Key Decision and Private Non-Key Decision</b>	<b>Decisions to be Taken</b>	<b>Decision Maker</b>	<b>Expected Date of Decision</b>	<b>Proposed Consultation</b>	<b>How to make representation to the decision made</b>	<b>Private/ Confidential and paragraph number</b>
CE 18/19-60 The Minerals and Waste Development Plan	To seek approval to consult on the first draft of the Minerals and Waste Development Plan.	Portfolio Holder for Planning	September 2020		David Malcolm	N/A
CE 19/20-55 Houses in Multiple Occupation Supplementary Planning Document	To seek approval to consult on the first draft supplementary planning document for houses in multiple occupation.	Portfolio Holder for Planning	September 2020		Jeremy Owens	

<b>Key Decision</b>	<b>Decisions to be Taken</b>	<b>Decision Maker</b>	<b>Expected Date of Decision</b>	<b>Proposed Consultation</b>	<b>How to make representation to the decision made</b>	<b>Private/ Confidential and paragraph number</b>
CE 19/20-31 Proposed Expansion of Wilmslow High School	Subject to the School Organisation Sub-Committee approving the proposed expansion of Wilmslow High School at a meeting to be held on 6 <sup>th</sup> April 2020, Cabinet will be asked to authorise the Executive Director People to enter into a construction contract to facilitate the provision of additional places at Wilmslow High School.	Cabinet	8 Sep 2020		Val Simons	N/A
CE 19/20-52 Regional Adoption Agency Integrated Services Agreement	To approve that the Council enter into an integrated service agreement and associated support agreement with its partners.	Cabinet	8 Sep 2020			N/A
CE 19/20-57 Draft Brooks Lane (Middlewich) Masterplan SPD	To seek approval to adopt the Brooks Lane (Middlewich) Masterplan SPD following consultation in January to March 2020.	Cabinet	8 Sep 2020		Jeremy Owens	N/A



Key Decision	Decisions to be Taken	Decision Maker	Expected Date of Decision	Proposed Consultation	How to make representation to the decision made	Private/ Confidential and paragraph number
CE 20/21-1 Digital Cheshire	To continue and extend the Connecting Cheshire rollout of broadband technologies and digital business support via Digital 2020 and a £6.3m programme (to be known as 'Digital Cheshire'), by approving that the Council enter into an ERDF grant agreement with MHCLG to accept approximately £3m of grant funding; delegating authority to enter into a contract with a supplier for main delivery (over £1m); and authorising officers to take all necessary actions to implement the new programme.	Cabinet	8 Sep 2020		Peter Skates	N/A

<b>Key Decision</b>	<b>Decisions to be Taken</b>	<b>Decision Maker</b>	<b>Expected Date of Decision</b>	<b>Proposed Consultation</b>	<b>How to make representation to the decision made</b>	<b>Private/ Confidential and paragraph number</b>
CE 20/21- 4 Microsoft Licence Agreements	Authorise officers to take all necessary actions to implement the proposal to consolidate all current Microsoft licenses into one overarching agreement to secure license discounts for the organisation.	Cabinet	8 Sep 2020		Gareth Pawlett, ICT Manager	
CE 20/21-7 Financial Update (Covid-19)	To note the financial effects of the Covid-19 pandemic on the Council, as regards additional expenditure and loss of income, and to consider the potential options for managing residual financial implications within the Council's Medium Term Financial Strategy.  A similar report may be presented to each following Cabinet meeting up to and including 4 <sup>th</sup> May 2021.	Cabinet	8 Sep 2020		Alex Thompson, Director of Financial and Customer Services	N/A
CE 19/20-21 Site Allocations and Development Policies Document	To decide the next steps in progressing the Site Allocations and Development Policies Document to public examination.	Cabinet	6 Oct 2020		Jeremy Owens	N/A

<b>Key Decision</b>	<b>Decisions to be Taken</b>	<b>Decision Maker</b>	<b>Expected Date of Decision</b>	<b>Proposed Consultation</b>	<b>How to make representation to the decision made</b>	<b>Private/ Confidential and paragraph number</b>
CE 19/20-58 Flood and Water Management Act 2010 Section 19 Flood Investigation - Poynton 2019	To authorise officers to take all necessary actions to implement the findings, actions and recommendations of the formal Flood Investigation Report.	Cabinet	6 Oct 2020			N/A



Key Decision	Decisions to be Taken	Decision Maker	Expected Date of Decision	Proposed Consultation	How to make representation to the decision made	Private/ Confidential and paragraph number
CE 19/20-59 Youth Zone Partnership for Crewe	To authorise officers, in consultation with the Cabinet Member for Children and Families, to take forward the establishment of a formal Partnership with the National Charity Onside to develop a Youth Zone for young people based in Crewe. The Council will make an agreed capital contribution to the Partnership and Council land /buildings will be earmarked, developed and leased to the Partnership to provide the Youth Zone facilities.	Cabinet	6 Oct 2020		Alison Stathers-Tracey, Director of Early Help and Prevention	N/A

<b>Key Decision</b>	<b>Decisions to be Taken</b>	<b>Decision Maker</b>	<b>Expected Date of Decision</b>	<b>Proposed Consultation</b>	<b>How to make representation to the decision made</b>	<b>Private/ Confidential and paragraph number</b>
CE 20/21-5 Tenancy Strategy 2020	To seek approval to consult on the draft Tenancy Strategy for a period of 12 weeks; and to delegate authority to the Director of Growth and Enterprise in consultation with the Portfolio Holder for Environment and Regeneration to consider the results of the consultation and to approve the final version of the strategy.	Cabinet	6 Oct 2020		Karen Carsberg, Strategic Housing and Intelligence Manager	N/A

<b>Key Decision</b>	<b>Decisions to be Taken</b>	<b>Decision Maker</b>	<b>Expected Date of Decision</b>	<b>Proposed Consultation</b>	<b>How to make representation to the decision made</b>	<b>Private/ Confidential and paragraph number</b>
CE 20/21-10 Social Value Policy	The review and refresh of the Council's Social Value Policy. The new policy will be underpinned by a new set of supportive resources to facilitate the implementation of the policy and the delivery of effective social value and corporate social responsibility.	Cabinet	6 Oct 2020		Shelley Brough	N/A
CE 20/21-12 Case Management Procurement	To seek approval to enter into a contract for an Adults and Children's Case Management ICT System at an estimated cost of £1.2m over a 4-year contract.	Cabinet	6 Oct 2020			N/A
CE 19/20-42 Congleton Leisure Centre Redevelopment Project	To seek authority to enter into the construction contract with Rock Merchanted (T/A Pulse Fitness) for the redevelopment of Congleton Leisure Centre.	Portfolio Holder for Communities	October 2020		Paul Bayley	Fully exempt - para 3

<b>Key Decision</b>	<b>Decisions to be Taken</b>	<b>Decision Maker</b>	<b>Expected Date of Decision</b>	<b>Proposed Consultation</b>	<b>How to make representation to the decision made</b>	<b>Private/ Confidential and paragraph number</b>
CE 19/20-53 - Future High Streets Fund Grant Support for Crewe Town Centre Regeneration	To determine whether to accept a government grant to support a range of measures to support the regeneration of Crewe town centre; to approve a supplementary capital estimate to facilitate expenditure utilising this grant; and to authorise officers to take all necessary actions to implement the proposal.	Cabinet	10 Nov 2020		Jez Goodman	N/A



<b>Key Decision</b>	<b>Decisions to be Taken</b>	<b>Decision Maker</b>	<b>Expected Date of Decision</b>	<b>Proposed Consultation</b>	<b>How to make representation to the decision made</b>	<b>Private/ Confidential and paragraph number</b>
CE 20/21-6 Development of a Gypsy and Traveller Transit Site	To approve the progression of the project, subject to planning approval, to enable the scheme to be developed in line with the capital budget outlined within the report; and to authorise the Executive Director of Place, in consultation with the Portfolio Holder for Environment and Regeneration and the Portfolio Holder for Communities, to enter into a construction contract with the preferred bidder and make related decisions to deliver the Cledford Hall project.	Cabinet	10 Nov 2020		Karen Carsberg, Strategic Housing and Intelligence Manager	N/A

Key Decision	Decisions to be Taken	Decision Maker	Expected Date of Decision	Proposed Consultation	How to make representation to the decision made	Private/ Confidential and paragraph number
CE 20/21-3 Flowerpot Junction Improvement Scheme	To approve procurement of works to improve Flowerpot Junction, utilising the NPIF allocation from DfT and local funding contributions from s106 contributions and council match funding. Authorise the preparation and making of a CPO relating to land required for the junction improvements where this cannot be acquired through negotiation, and delegate authority to the Director of Infrastructure and Highways, in consultation with the Portfolio Holder for Strategic Transport to finalise the scheme details and enter into an agreement with the Council's appointed Highways Term Services to deliver the scheme.	Cabinet	10 Nov 2020			N/A

<b>Key Decision</b>	<b>Decisions to be Taken</b>	<b>Decision Maker</b>	<b>Expected Date of Decision</b>	<b>Proposed Consultation</b>	<b>How to make representation to the decision made</b>	<b>Private/ Confidential and paragraph number</b>
CE 20/21-9 Household Waste Recycling Centre New Contract Service Provision	The household waste recycling centre contract is due for renewal in 2023 and the open procurement process will start in 2021. The report will present a review of the current contract and options available for how the service could be run in the future.	Cabinet	10 Nov 2020		Ralph Kemp, Corporate Manager for Commissioning	N/A
CE 20/21-11 Procurement of Facilities Management Service and the Council's Energy Supply	To approve the re-procurement of facilities management services, to include maintenance, statutory compliance and energy supply management and to authorise officers to take all necessary actions to implement the proposal.	Cabinet	1 Dec 2020		Denise Griffiths	N/A
CE 19/20-49 Council Tax Base 2021-22	For Cabinet to consider the Council Tax Base for Cheshire East and identify any changes to the calculation of the tax base for 2021-22 with a view to recommending the amount calculated to Council.	Council	16 Dec 2020		Paul Manning	N/A

<b>Key Decision</b>	<b>Decisions to be Taken</b>	<b>Decision Maker</b>	<b>Expected Date of Decision</b>	<b>Proposed Consultation</b>	<b>How to make representation to the decision made</b>	<b>Private/ Confidential and paragraph number</b>
CE 20/21-8 Carbon Action Plan Key Decisions	To authorise Officers to take all necessary actions relating to land allocation and procurements for initial projects contributing to sustainable energy generation and green sequestration.	Cabinet	2 Feb 2021		Ralph Kemp, Corporate Manager for Commissioning	N/A
CE 19/20-50 Medium Term Financial Strategy 2021-25	To approve the Medium Term Financial Strategy 2021-25 incorporating the Council's priorities, budget, policy proposals and capital programme. The report will include the capital, treasury management, investment and reserves strategies.	Council	17 Feb 2021			N/A



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## **Environment and Regeneration Overview and Scrutiny Committee**

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**Date of Meeting:** 21 September 2020

**Report Title:** Work Programme

**Portfolio Holder:** Councillor C Browne – Deputy Leader

Councillor T Fox – Portfolio Holder for Planning

Councillor N Mannion – Portfolio Holder for Environment and Regeneration

Councillor B Roberts – Portfolio Holder for Highways and Waste

Councillor M Warren – Portfolio Holder for Communities

**Senior Officer:** Executive Director of Corporate Services

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### **1. Report Summary**

- 1.1. To review items in the work programme listed in the schedule attached, together with any other items suggested by committee members.

### **2. Recommendation**

- 2.1. That the work programme be reviewed.

### **3. Reasons for Recommendation**

- 3.1 It is good practice to review the work programme and update accordingly

### **4. Other Options Considered**

- 4.1. There are no further options to consider.

### **5. Background**

- 5.1 The schedule attached has been updated following the last meeting of the committee.
- 5.2 Members are asked to review the schedule attached to this report, and if appropriate, add new items or delete items that no longer require any scrutiny activity. When selecting potential topics, Members should have regard to the Council's new three year plan and also to the general criteria listed below, which

should be applied to all potential items when considering whether any Scrutiny activity is appropriate.

5.3 The following questions should be asked in respect of each potential work programme item:

- Does the issue fall within a corporate priority;
- Is the issue of key interest to the public;
- Does the matter relate to a poor or declining performing service for which there is no obvious explanation;
- Is there a pattern of budgetary overspends;
- Is it a matter raised by external audit management letters and or audit reports?
- Is there a high level of dissatisfaction with the service;

5.4 If during the assessment process any of the following emerge, then the topic should be rejected:

- The topic is already being addressed elsewhere
- The matter is subjudice
- Scrutiny cannot add value or is unlikely to be able to conclude an investigation within the specified timescale

## **6. Implications**

### **6.1. Legal Implications**

6.1.1. There are no legal implications at this stage.

### **6.2. Finance Implications**

6.2.1. There are no financial implications at this stage

### **6.3. Equality Implications**

6.3.1. There are no equalities implications at this stage.

### **6.4. Human Resources Implications**

6.4.1. There are no human resources implications at this stage.

### **6.5. Risk Management Implications**

6.5.1. There are no risk management implications at this stage.

**6.6. Rural Communities Implications**

6.6.1. There are no implications for rural communities.

**6.7. Implications for Children & Young People**

6.7.1. There are no implications for children and young people at this stage.

**6.8. Public Health Implications**

6.8.1. There are no direct implications for public health.

**7. Ward Members Affected**

7.1. All.

**8. Access to Information**

8.1. The background papers can be inspected by contacting the report author.

**9. Contact Information**

9.1. Any questions relating to this report should be directed to the following officer:

Name: Katie Small

Job Title: Scrutiny Officer

Email: [katie.small@cheshireeast.gov.uk](mailto:katie.small@cheshireeast.gov.uk)



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Date: <b>21.9.20</b> Time: 10.00am Venue: Committee suite, Westfields	Date: <b>19.10.20</b> Time: 10.00am Venue: Committee suite, Westfields	Date: <b>16.11.20</b> Time: 10.00am Venue: Committee suite, Westfields	Date: <b>14.12.20</b> Time: 10.00am Venue: Committee suite, Westfields	Date: <b>18.1.21</b> Time: 10.00am Venue: Committee suite, Westfields	Date: <b>15.3.21</b> Time: 10.00am Venue: Committee suite, Westfields
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<b><u>Item</u></b>	<b><u>Purpose</u></b>	<b><u>Lead Officer</u></b>	<b><u>Portfolio</u></b>	<b><u>Suggested by</u></b>	<b><u>Scrutiny role</u></b>	<b><u>Corporate priorities</u></b>	<b><u>Date</u></b>
Highway Drainage and Flood Risk Management (including a Flood Investigation-Poynton 2019)	To receive a report and presentation on: <ul style="list-style-type: none"> <li>•highway drainage including the process for cleaning gullies;</li> <li>•statutory report in relation to the requirements of Section 19 of the Flood and Water Management Act 2010, relating to the 2019 flooding in Poynton; and</li> <li>•the Council's annual flood risk management arrangements.</li> </ul>	Executive Director of Place and Deputy Chief Executive	Highways and Waste  Environment & Regeneration	Executive Director of Place and Deputy Chief Executive  Statutory Duty	Performance Monitoring	Cheshire is a Green and sustainable Place.	21.09.20

<b><u>Item</u></b>	<b><u>Purpose</u></b>	<b><u>Lead Officer</u></b>	<b><u>Portfolio</u></b>	<b><u>Suggested by</u></b>	<b><u>Scrutiny role</u></b>	<b><u>Corporate priorities</u></b>	<b><u>Date</u></b>
Crewe Centre Regeneration	To receive a report and presentation on the regeneration plans for Crewe including the Crewe Hub Station and Town Centre regeneration	Executive Director of Place and Deputy Chief Executive	Environment & Regeneration	Executive Director of Place Deputy Chief Executive	Pre-decision Scrutiny	Cheshire is a Green and sustainable Place.	19.10.20
Town Delivery Plans and Recovery Plan / Car Parking Proposals	To receive a presentation on the proposed consultation and process for Town Delivery Plans and Recovery Plan  To scrutinise the consultation/engagement plan for the proposed changes to Car Parking	Director of Growth and Enterprise / Head of Strategic Transport	Environment & Regeneration  Highways and Waste	Committee	Overview	A responsible, effective and efficient organisation.	19.10.20
Air Quality Annual Status Report	To scrutinise the Air Quality Annual Status Report.	Executive Director of Place and Deputy Chief Executive	Environment & Regeneration	Executive Director of Place Deputy Chief Executive	Scrutiny	Cheshire is a Green and sustainable Place.	19.10.20

<b><u>Item</u></b>	<b><u>Purpose</u></b>	<b><u>Lead Officer</u></b>	<b><u>Portfolio</u></b>	<b><u>Suggested by</u></b>	<b><u>Scrutiny role</u></b>	<b><u>Corporate priorities</u></b>	<b><u>Date</u></b>
Budget 2021/22 Consultation	To consider the Pre-Budget 2021/22 Consultation proposals relating to the committee's remit area.	Section 151 Officer	Communities Environment & Regeneration Deputy Leader Highways and Waste Planning	Committee	Pre-Decision Scrutiny  Budget Scrutiny	<ul style="list-style-type: none"><li>•Cheshire East has a strong and resilient economy.</li><li>•Cheshire East is a green and sustainable place</li><li>•A responsible, effective and efficient organisation.</li></ul>	Nov
Vulnerable and Older Persons Housing Strategy 2020-2024	To receive an update on the outcomes of the consultation to be carried out on the draft strategy.	Executive Director of Place and Deputy Chief Executive	Environment & Regeneration	Executive Director of Place and Deputy Chief Executive	Pre-decision Scrutiny	People live well and for longer.	18.01.21
Tenancy Strategy	To scrutinise the Draft Tenancy Strateg once consultation has been completed and before a decision is made	Executive Director of Place and Deputy Chief Executive	Environment & Regeneration	Executive Director of Place and Deputy Chief Executive	Pre-decision Scrutiny	A responsible, effective and efficient organisation.	18.01.21 TBC



<b><u>Item</u></b>	<b><u>Purpose</u></b>	<b><u>Lead Officer</u></b>	<b><u>Portfolio</u></b>	<b><u>Suggested by</u></b>	<b><u>Scrutiny role</u></b>	<b><u>Corporate priorities</u></b>	<b><u>Date</u></b>
Procurement and delivery of a Housing Development Framework	To review proposals relating to the implementation of the strategy following procurement	Executive Director of Place and Deputy Chief Executive	Environment & Regeneration	The Committee	Pre-decision Scrutiny	Cheshire is a Green and sustainable Place.	TBD

**Possible Future Items/briefings notes**

Waste Strategy and Household Recycling-Date TBC

Bus Strategy-Date TBC

Charging Structure in relation to Flexi-Link Service-Date TBC