

Tameside MBC

Flood & Water Management Act 2010

Section 19 Investigation Report

Micklehurst Road, Mossley Flood Event

Autumn 2017



June 2018

Cover; Micklehurst Road, Mossley

Document History and Status

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Glossary – 1 Acronyms / Initials

AGMA	Association of Greater Manchester Authorities
EA	Environment Agency
GiA	Flood Defence Grant in Aid
GIS	Geographic Information System
HE	Highways England
LLFA	Lead Local Flood Authority
RMA	Risk Management Authority
TMBC	Tameside Metropolitan Council
UU	United Utilities (the local sewerage undertaker)

Glossary – 2 General

Assets	Structures, or a system of structures used to provide drainage infrastructure and / or manage flood risk
Catchment	An area that supplies a river with water (rainwater, snow, etc.) – the area of land where the rainfall drains to a single watercourse
Culvert	A covered channel or pipe to direct the flow of water
Flood	The temporary covering by water of land not normally covered with water
Flood Defence Grant in Aid	Funding made available (subject to approved) by the Environment Agency for reducing flood risk
Groundwater	Water that is in the ground, this is usually referring to water in the saturated zone below the water table
Groundwater Flooding	Flooding which occurs as a result of groundwater rising above the surface.
Hyrad	HY drological RAD ar - An advanced weather radar display system, providing real-time receipt of radar and other hydro-meteorological images
Inlet Structure	Purpose built structures to allow the flow of a watercourse to enter a piped system. Examples below:



Lead Local Flood Authority	An upper tier local authority with particular responsibilities under the Flood and Water Management Act 2010
Main River	A watercourse shown as such on the 'Main River' Map, and for which the Environment Agency has certain responsibilities and powers
Ordinary Watercourse	A watercourse that does not form part of a main river

Public Sewer	A sewer which is the responsibility of a sewerage undertaker. Within the Tameside area, this is United Utilities
Recovery	The process of rebuilding, restoring and rehabilitating the community after an incident such as a flood
Reservoir	A natural or artificial lake where water is collected and stored until needed. Some reservoirs in areas such as Tameside were initially built for industry and are no longer serving their original purpose but may have other benefits such as amenity or nature conservation
Return Period	An estimate of the average interval of time between a rainfall event of a certain intensity or size.
Risk	The significance of a potential event in terms of likelihood and consequences
Risk Management Authorities	Organisations that have a key role in flood and coastal erosion risk management as defined by the Flood and Water Management Act (2010). These are the Environment Agency, lead local flood authorities, district councils where there is no unitary authority, internal drainage boards, water companies, and highways authorities.
River (Fluvial) Flooding	Occurs when the water level in a channel overwhelms the capacity of the channel
Sewer Flooding	Flooding caused by wastewater discharge from sewers
Surface Water (Pluvial) Flooding	Flooding from rainwater (including snow and other precipitation) which has not entered a watercourse, drainage system or public sewer
Watercourse	Rivers, streams and all ditches, drains, cuts, culverts, dikes, sluices, sewers (other than public sewers within the meaning of the Water Industry Act 1991) and passages, through which water flows

1.0 Introduction

1.1 Summary of Events

On 11th September 2017, a flood event occurred at Micklehurst Road, Mossley in the Metropolitan Borough of Tameside, Greater Manchester. Flooding occurred as the flow of the Micklehurst Brook Culvert was disrupted affecting a number of properties and the highway.

1.2 Purpose and Scope of this Report

This flood event affected a number of properties and is classed as a 'significant' event under Tameside Metropolitan Borough Council (TMBC) Local Flood Risk Management Strategy and therefore a detailed investigation has been carried out.

The aim of this report is to identify properties and investigate the source / cause and impact.

1.3 Legislative Background

Section 19 Investigations – Flood and Water Management Act 2010

The Act places a number of duties on Lead Local Flood Authorities (LLFAs) in relation to local flood risk management, one of which is to record and investigate flooding incidents within their area.

Section 19 states –

- 1) *On becoming aware of a flood in its area, a lead local flood authority must, to the extent that it considers 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 investigations, and*
 - b) *Notify any relevant risk management authorities*

1.4 Risk Management Authorities (RMAs)

The following organisations are defined as Risk Management Authorities (RMAs) under the Act and have the following flood risk management functions:

Flood Source	Environment Agency	Lead Local Flood Authority (Tameside MBC)	Water Company (United Utilities)	Highway Authority (Highways England – Motorways & Trunk Roads)
Main River*	X			
Ordinary Watercourse*		X		
Highway Surface Water		X		X
Surface Water from other sources		X		X
Groundwater Flooding		X		
Water Supply Infrastructure			X	

** Main rivers have been designated as such by the Environment Agency and tend to be major rivers or rivers with a high flood risk. Ordinary watercourses; any other streams not classed as Main River.*

Partnership meetings are arranged and attended by AGMA, EA, UU and TMBC on a bi-monthly basis to discuss specific issues and ongoing matters relating to flood risk across the borough.

1.4.1 Environment Agency (EA)

The Environment Agency 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 on main rivers and the coast, regulating reservoir safety and working in partnership with the Meteorological (Met) Office to provide flood forecasts and warnings.

For details and guidance on what to do before during and after the floods see –

<https://www.gov.uk/government/publications/flooding-what-to-do-before-during-and-after-a-flood>

1.4.2 Thameside Metropolitan Borough Council (TMBC)

TMBC has a joint risk management role both in the capacity of highways authority and as Lead Local Flood Authority (LLFA). As a highway authority, TMBC has a duty under the Highways Act 1980 to manage highways that are maintainable at public expense, including highway drainage. As LLFA, TMBC has a number of duties and powers as laid out in the Act including the duty to investigate flooding.

TMBC also take an overseeing role to ensure that RMAs and landowners are fulfilling their responsibilities.

1.4.3 Water Companies

Water companies are responsible for public sewers as defined under The Water Industry Act 1991 and Private Sewers Legislation 2011. They are also responsible for the storage and supply of fresh water to residents and businesses.

1.4.4 Highways England

Highways England has responsibility as highways authority for motorways and trunk roads throughout Thameside.

1.4.5 Riparian Owners and Residents

Riparian landowners are owners of land adjoining or containing a watercourse. They have certain rights/responsibilities, including the maintenance of watercourses and assets within their ownership to ensure flood risks are not increased upstream, through or downstream of their land.

A free detailed guide can be accessed from:

<https://www.gov.uk/government/publications/riverside-ownership-rights-and-responsibilities>

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

Further information can be found at –

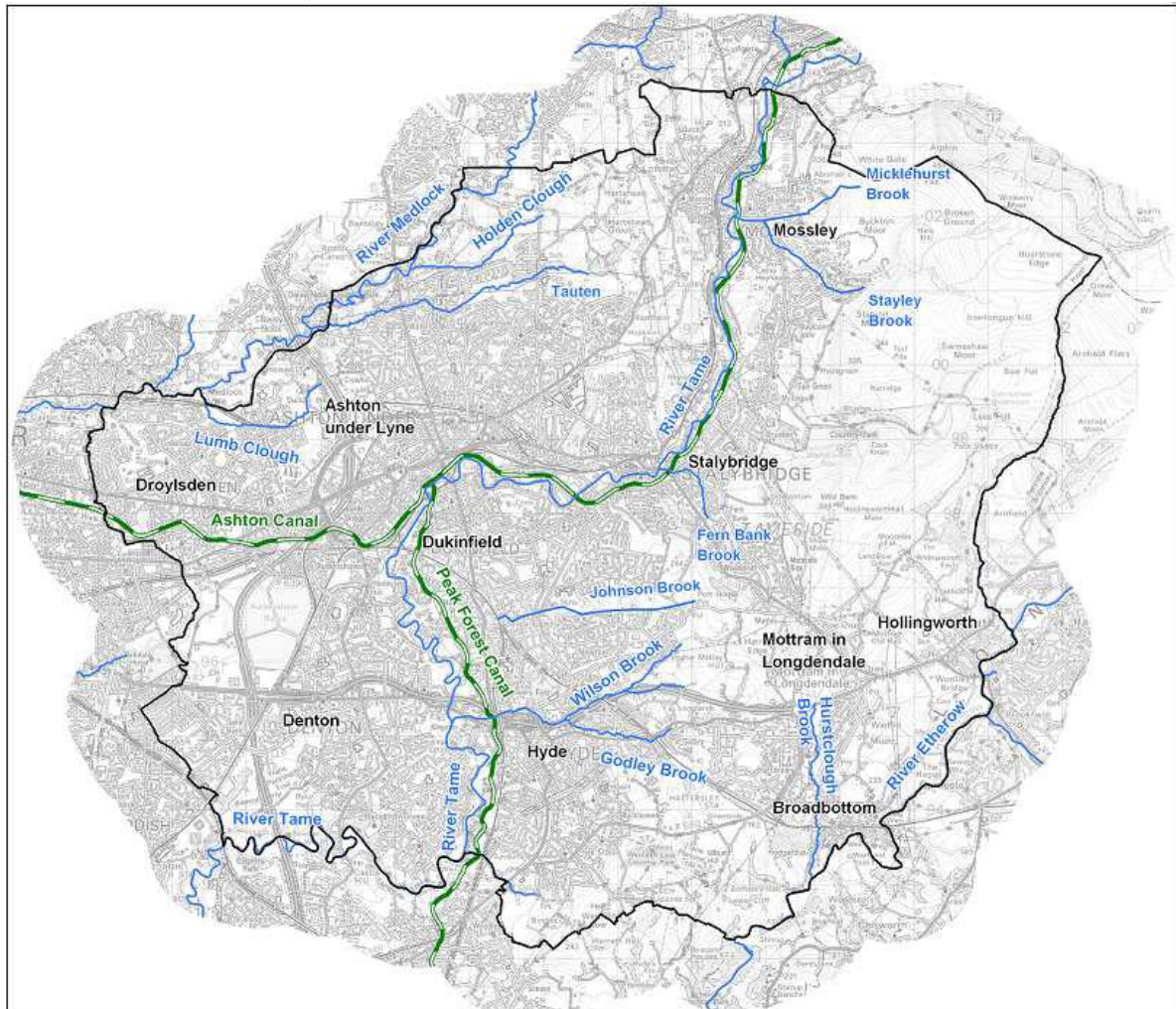
<https://www.gov.uk/government/organisations/environment-agency>

2.0 Overview of Flooding Event

2.1 Mossley

Mossley is situated in the east of the borough and is characterised by a number of water courses that link the surrounding moorland to the River Tame and Huddersfield Narrow Canal. Formerly a major textile area, the town is now mainly a residential area with a number of recently constructed housing developments having been completed.

Plan 1 -Tameside MBC, Towns and Water Courses



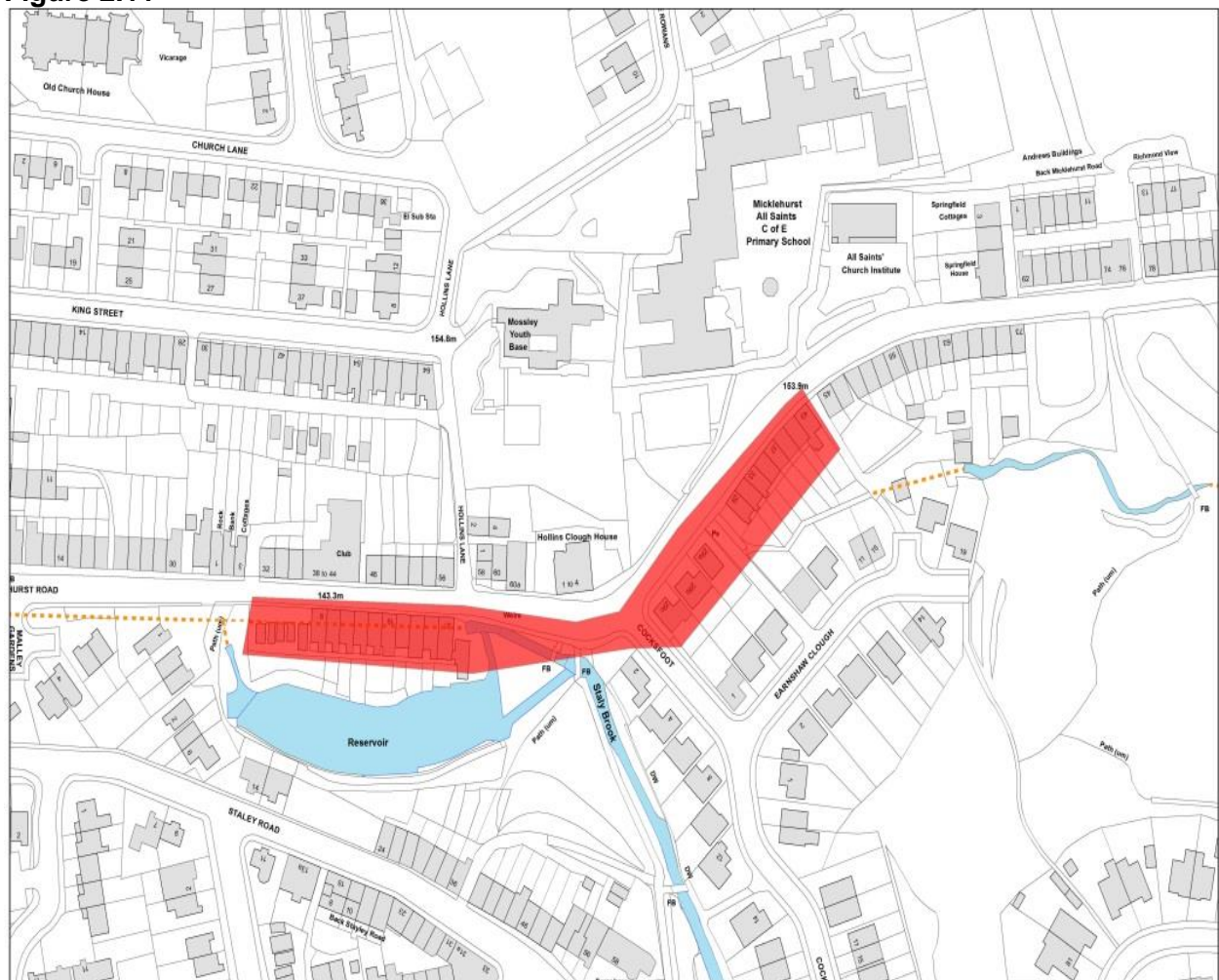
2.2 Property Impacts

Following extensive rainfall, a culvert collapse occurred on the 11th September 2017 at the side / rear of 29 Micklehurst Road, Mossley. The events constituted flooding in and around a number of properties and the highway. The impact of the flood event also affected the culvert downstream creating a void beneath a hardstanding area. To minimise risk, a temporary road closure was in force between numbers 9 and 43 Micklehurst Road.

The event put pressure on local infrastructure and required a significant response from the local emergency services, the EA and TMBC.

Figure 2.11 identifies the general area affected on the 11th September 2017.

Figure 2.11



This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of the Mosley's Stationery Office. © Crown copyright. Unauthorised reproduction or storage in any form may lead to prosecution or civil proceedings. LA10002007/2005.



2.2.1 Properties affected on 11th September 2017

	Number of properties internally flooded	Number of properties externally flooded	Number of properties internally and externally flooded
Micklehurst Road, Mossley	10	27	5

A second flood event occurred on 5th October 2017. A section of culvert in the rear garden of 33 Micklehurst Road became blocked and surcharged. Localised action was taken to contain the surcharge. Further investigation revealed that the stone culvert was blocked with assorted debris and that the culvert structure was unstable.

Over the next approximate four months, two new access chambers were constructed by Tameside MBC Engineers and a new 10m length of culvert installed.

2.3 Conditions during September / October 2017

2.3.1 Overview

The following information has been used to help provide an overall picture of the conditions that led to the flooding event at Micklehurst Road, Mossley in September 2017.

Environment Agency (EA) Water Situation Reports - The EA issues monthly water situation reports for England, which provide an overview of various hydrological information including rainfall, soil moisture and river flows for the month.

2.3.2 Monthly water situation report England Summary – September 2017

September rainfall was well above the monthly long term average at 133%. Monthly rainfall totals were normal or higher for the time of year across all hydrological areas. Soil moisture deficit decreased during September across much of England and at the end of the month, soils were wetter than average across most areas. Monthly mean river flows increased compared to August at just over half of indicator sites and were classed as normal or higher for the time of year at all but five sites. Groundwater levels continued to recede at all but six indicator sites during September but end of month levels were normal or higher for the time of year at just over half of the indicator sites. Reservoir stocks decreased at nearly two-thirds of reported reservoirs or reservoir groups, but stocks remain normal or higher for the time of year at just over three-quarters of sites. Overall reservoir storage for England remained unchanged at the end of September at 79% of total capacity.

2.3.3 Rainfall

September monthly rainfall totals were highest across parts of north-west and south-west England at 150 to 230mm.

Rainfall totals were above the September long term average (LTA) across more than four-fifths of hydrological areas.

At a regional scale, September rainfall totals were above average 147% in both north-east and north-west England. September rainfall was classed as notably high in north-west England and above normal elsewhere. The monthly rainfall total for England was 133% of the 1961-90 LTA for September (136% of the 1981-2010 LTA).

Micklehurst Road, 12 September 2017



2.3.4 Environment Agency Rainfall - Introduction

The Environment Agency has approximately 1,000 real time rain gauges which are connected by telemetry. Measurements of the amount of precipitation (mm) are captured in **Tipping Bucket Rain gauges (TBR)**. The data reported gives accumulated totals for each 15 min period. The data is typically transferred once or twice per day.

The Rainfall API provides access to these rainfall measurements, and to information on the monitoring stations providing those measurements. It is compatible with (and integrated into) the Application Programme Interface (API) for water level/flow readings.

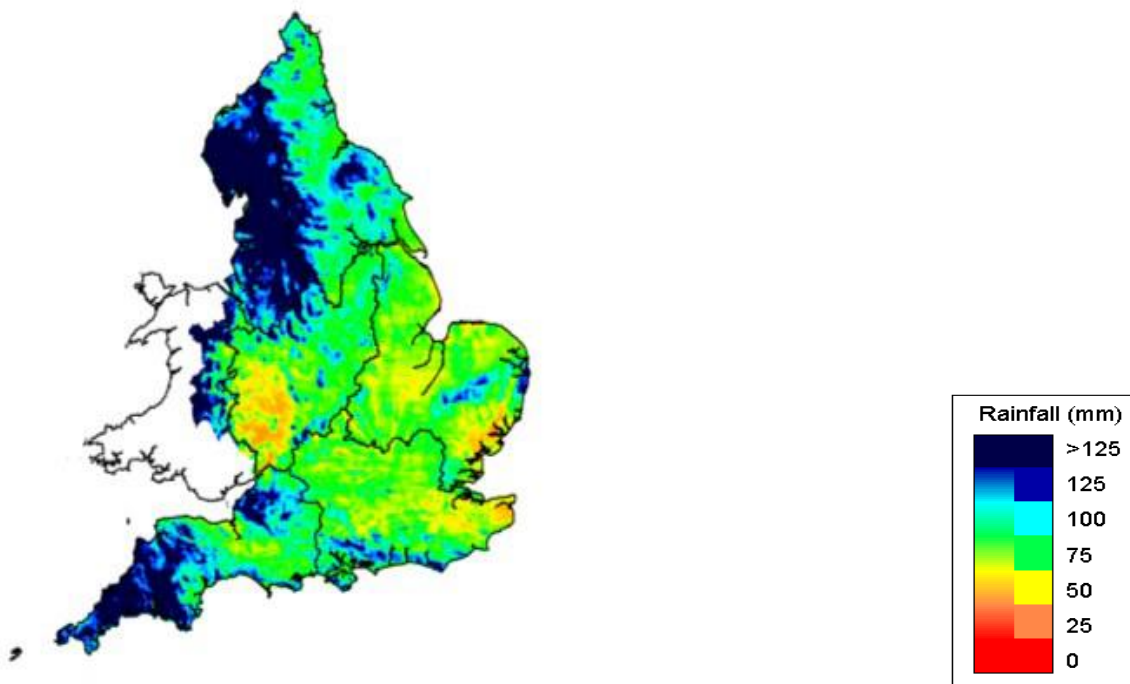
Note that for information protection reasons the rainfall monitoring stations do not have names and their geographic location has been reduced to a 100m grid.

These APIs are provided as open data under the [Open Government Licence](#) with no requirement for registration.

Mossley Station 559586 api details

- Station ID: 559586
- Lat, long: 53.53, -2.01
- Grid ref: SD992042
- EA region: North West

Rainfall data for September 2017



CEH Hydrological Summary reports – The Centre for Ecology and Hydrology (CEH) issues reports for the United Kingdom, which, similar to the EA Water Situation Reports, provide analysis of various hydrological records for the month.

General Overview from CEH

September 2017 was a predominantly unsettled month with Atlantic low pressure systems bringing persistent and sometimes heavy rainfall, particularly to the west. It was particularly wet in Northern Ireland and western Britain, with large swathes registering more than 150% of average. Soil Moisture Deficits (SMDs) generally decreased during September and soils mostly remained wetter than average for the time of year. River flows were generally in the normal range or above across the UK, with some western catchments registering more than twice the September average. Reservoir stocks generally increased relative to average and were substantially above average in some impoundments in northern England and Northern Ireland.

3.0 Repair / Restoration Works

3.1 Summary

On 11th / 12th September 2017, emergency services, EA and TMBC staff attend to ascertain the cause of flooding, close the road, clear gratings and assess the overall impact.

EA operatives cleared debris from the grating at the confluence of Staley and Micklehurst Brooks. TMBC staff attended the grating to the rear of 63/65 Micklehurst Road.

Tameside MBC Engineers undertook excavations (approximately two metres deep) on a suspected blockage adjacent to 29 Micklehurst Road. Once exposed, it provided evidence of a full collapse. Debris found included various items such as tyres, bricks, garden accessories and a pallet. At the point of collapse, the culvert had a deviation in the line which contributed to constraints of the culvert putting hydraulic pressure on the structural walls.

Whilst rectifying the issues found at number 29, a further problem became apparent at the rear of number 33 - surcharging of water and a further collapse. The damage extended to over three metres in length. It was deemed un-repairable and new construction was required to restore the integrity of water flow.

Restoration of the culvert to the rear of number 33 consisted of removal of debris and the old culvert and installing a new 1,200mm diameter pipe High Density Polyethylene (HDPE) twin wall culvert, approximately nine metres in length. Two new 1,800mm diameter access chambers were also installed.

The upstream lengths of Staley and Micklehurst Brooks were inspected and whilst general debris was noted, this was not inconsistent with this type of catchment.

New HDPE Culvert during construction



The culvert restoration works were completed in February 2018.

Garden and land restoration was to be completed from February 2018. However, after a challenging winter in terms of snow and frosts, and continued high rainfall, garden restoration works were postponed until April 2018 and works are now expected to be completed by the end of May 2018.

During these works, re-profiling of an over ground channel was undertaken. This channel directs any surcharge flows in the area between the rear gardens of properties on Micklehurst Road and Earnshaw Clough. This flow is returned to the culvert at the rear of number 33 Micklehurst Road – see plan below;

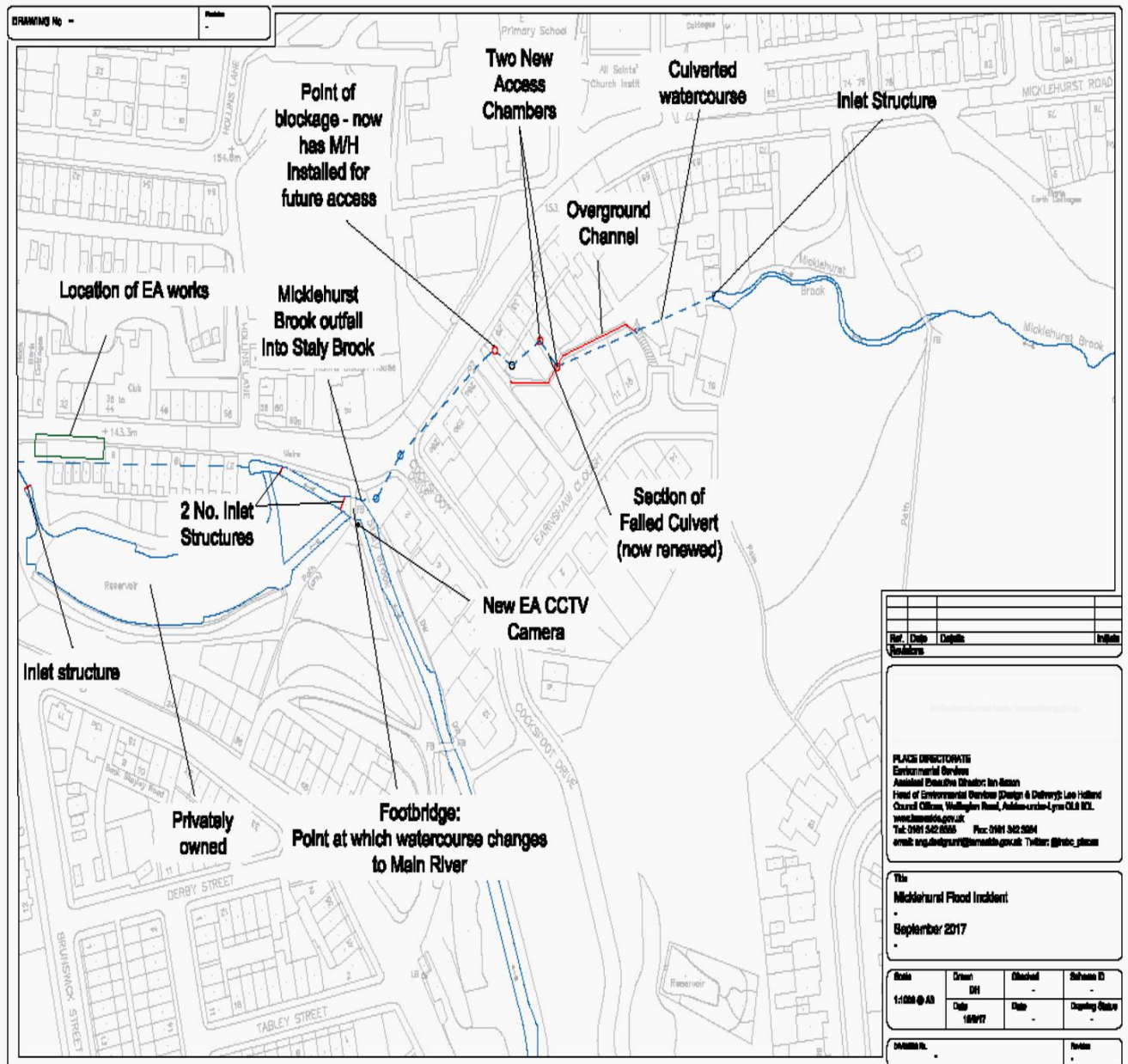
As with most watercourses, the responsibility for maintenance and repair rests with the land owners under riparian law. However, to date, works have been funded through a 'Grant in Aid (GiA) bid by TMBC and the EA.

The Environment Agency also identified works to the Micklehurst Brook – Main River (from the confluence of Staley and Micklehurst Brooks towards the River Tame). This initially focused on the condition of the brook culvert in the vicinity of garages opposite 34 Micklehurst Road. However following further investigation works, additional sections of Micklehurst Brook culvert will be restored to expected standard towards the River Tame.

Works are expected to be completed and the Micklehurst Road reopened (subject to any other issues being found) by autumn 2018.

The EA has now installed a closed circuit television (CCTV) to remotely monitor the level of debris on the grating at the confluence of Staley and Micklehurst Brooks so that they may arrange for proactive maintenance visits to this location.

Plan 2 – Detail of Features at Micklehurst Road, Mossley



3.1 Opportunities for Improvements

As part of the recent works undertaken by TMBC, the section of culvert from the rear of 33 Micklehurst Road to the grating at the rear of 63/65 Micklehurst Road has been assessed.

A CCTV survey was carried out but this proved to be of limited value as larger rocks and stones were encountered very close to the access points and little further progress could be made. Water flow was noted to be good but clearly not to capacity. Also any movement of these rocks / stones could result in the flow being restricted.

It is recommended that further work is undertaken to review this section of culvert and an indicative estimate of costs drawn up. This estimate should also include the cost of replacing the old grating at the rear of numbers 63 / 65 Micklehurst Road with a modern inlet structure.

These works would fall to the landowners under riparian law. But funding opportunities should be sought to help fund some or all of the costs of these works.

More generally, opportunities in the upland catchment e.g. 'Slow the Flow', should be investigated for this and other catchments in the borough.

4.0 Information and Communications.

Tameside MBC (TMBC) in association with the Environment Agency (EA) undertook to keep residents of Micklehurst Road and the wider community as informed as possible with regards to information, actions, timescales etc.

Accordingly, a number of newsletters were produced and distributed during the course of restoration works.

Examples can be viewed in Appendix 1.

Also a number of local community meetings were held at the Mossley Youth Base near Micklehurst Road. These events were well attended, with residents receiving updates and asking questions of Councillors, the local MP, EA and TMBC engineers and managers.

5.0 Risk Management Authority (RMA) recommended actions

Risk Management Authority	Recommended Actions
TMBC (Highways)	Continue to maintain efficient operation of non-trunk road highway drains
TMBC (LLFA)	<p>Determine if designation of existing inlet structure is appropriate. Continue to work with EA.</p> <p>Seek to establish if there are any possible future funding opportunities for upgrading the culvert between 35 – 65 Micklehurst Road and modernising and re-profiling the inlet structure.</p>
TMBC (Planning)	Ensure all existing and any new planning applications are fully flood risk assessed and no works commence before full planning approval is confirmed.
Environment Agency	Continue to ensure that 'Main River' watercourses are suitable maintained and existing infrastructure repaired.
TMBC (LLFA) & Environment Agency	Upland Catchment – flow management opportunities (e.g. Slow the Flow)
United Utilities	Continue to maintain efficient operation of surface water and combined sewers

6.0 Conclusion

This report has been produced to document the findings of the Section 19 Investigation into the September 2017 flood in Tameside. The main aims are to identify affected communities, determine why they were affected and to recommend actions to each RMA. Since the event, there have been a number of meetings between technical officers from TMBC and the residents affected.

TMBC has also met with United Utilities, the Environment Agency, and representatives of the Association of Greater Manchester Authorities (AGMA). These meetings have added to the understanding of the event and its consequences with a view to help determine the scale and scope, and funding options to help increase resilience against any future weather extremes.

The intensive rainfall that occurred on the 11th September 2017 in the uplands on Saddleworth Moor and Buckton Moor had a major impact downstream. The event constituted flooding in a number of properties and the highway.

The key elements for the September 2017 event are considered to be –

- Significant rainfall within a short period of time in east Tameside and the local topography in the vicinity of Saddleworth Moor and Buckton Moor
- Debris either being washed into or existing debris being disturbed in the Micklehurst Brook culvert.
- The age, construction and line of the culvert i.e. number of abrupt changes of direction.

Based on the analysis of the flooding events made in this report, a number of actions have been recommended to each Risk Management Authority. The delivery of these actions will be dependent on the availability of funding and other RMA priorities.

7.0 Commitment

Whilst the elimination of future flood events and impacts cannot be guaranteed, Tameside MBC and other risk management authorities remain fully committed to ensuring that risks are minimised and resilience is enhanced wherever possible.

Regular RMA Partnership Meetings will be held to review progress and support individual and collective actions with respect to issues identified.



Micklehurst Road, Mossley Flooding Newsletter

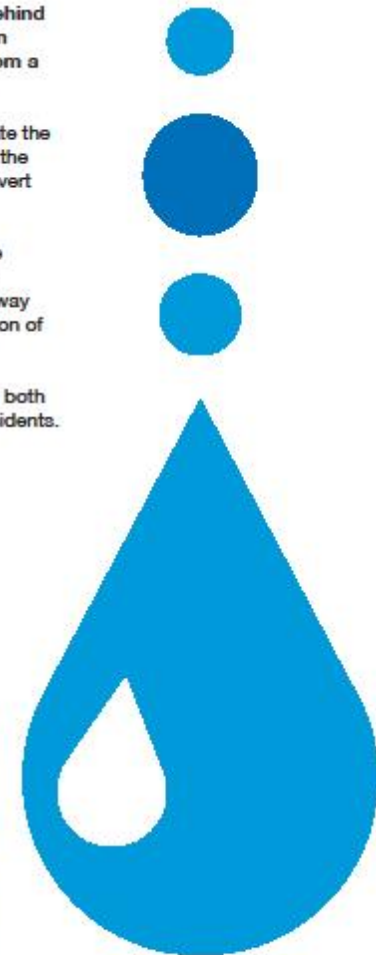
September 2017

On Monday 11th September 2017, the Micklehurst Brook culvert located behind 29 Micklehurst Road became blocked. This was caused by heavy rainfall on the day and a collapsed culvert. This resulted in water being discharged from a manhole on Micklehurst Road and entering a number of properties.

Tameside Council and the Environment Agency sent teams to the area to alleviate the flooding and provide support and reassurance to residents. The teams diverted the flow of water by forming a sandbag bund and put in a place a flood barrier to divert water away from properties and back into the river.

400 sandbags were distributed to residents in properties directly affected by the flooding and the affected road was closed. To clear the blocked culvert, a high volume pump was deployed which cleared the debris and removed the water away from the collapsed area and back into the water course. Work to replace a section of the culvert that is damaged is ongoing.

A number of properties in the area have suffered internal flooding and staff from both Tameside Council and the Environment Agency remain in contact with these residents.



Project Update

On Friday 15th September, a structural engineer from the Environment Agency visited the site and carried out an inspection of the main river culvert on Staley Brook.

A further inspection will be carried out week commencing 25th September to help us determine the course of action we need to take to remedy the problem.

Tameside Council and the Environment Agency are looking at possible sources of funding for further improvement works in the area.



Next Steps

The Environment Agency and Tameside Council are working together to address the immediate, medium and long-term issues and concerns affecting residents of Micklehurst Road and the surrounding area. The Micklehurst Road will remain closed until further notice to enable specialist teams to survey the area and ensure the area remains safe for residents.

How will we keep you updated?

Throughout the duration of the works to the culvert and river we will keep residents informed.

Contacting the team

If you have any concerns or wish to discuss any of the works being undertaken on this project, then please contact:

Tameside Council
email: tmbcplaces@tameside.gov.uk

Environment Agency
email: FloodResilienceGMMC@environment-agency.gov.uk

Useful Numbers

To report flooding or a blockage please contact the Environmental Agency 24hrs incident hotline: **0800 807060**

For help and information during a flood call Floodline on **0345 988 1188**

Tameside Council operates an emergency out of hours service, you can call **0161 342 2222** for assistance. Please remember that this number is for emergencies only.

Other useful contacts in an emergency can be found on the Council's website:

www.tameside.gov.uk/emergencyplanning/numbers

Further information and advice on flooding can be found on the following websites:

www.gov.uk/prepare-for-flooding

www.tameside.gov.uk/resilience/floodadvice

Micklehurst Road, Mossley Flooding Newsletter

December 2017

Following the flooding in early September 2017 we – Tameside Council and the Environment Agency – committed to keeping you updated on the situation and associated project works.

We have been keeping you informed in a number of ways including face to face discussions with residents directly affected by the flooding, regular door knocking to check in with local residents, letters to owners of properties with specific issues and the all residents newsletter.

As we explained in previous newsletters the situation is complex and challenging. The drainage in this area is made up of a number of different watercourses – some of which are open and others in underground culverts – and needed a lot of survey work to ensure we had a full understanding before starting any work.

These initial investigations have been completed and the works phase has begun.

Both organisations want to thank residents for their patience and support and we continue to work together on repairs to the culverts.

If you have any questions please do not hesitate to contact us (details at the end of the newsletter)

Project Update

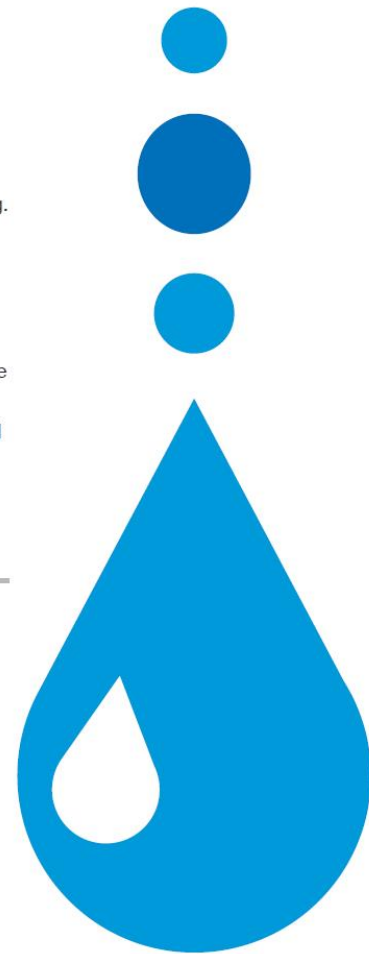
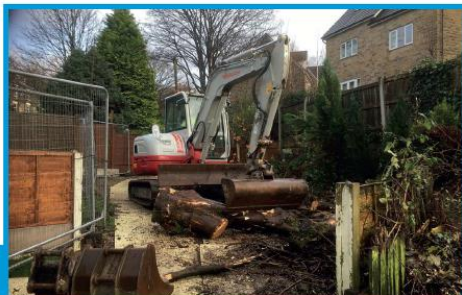
Repair work on the culvert

Works are due to start in the New Year and should last for approximately 4 months.

Galliford Black & Veatch have been contracted to carry out the repair works.

Micklehurst Road will be closed from Hollins Lane to Egmont Street but front of house parking will still be available.

The area in front of garages where there is a large void will remain fenced off while the void is excavated and filled.



Pumps will be in operation from 8am to 6pm to pump out water, which will cause some noise disturbance, and pipes will be laid along the side of the road.

Galliford Black & Veatch will endeavour to undertake works to ensure minimum disturbance, disruption and inconvenience but apologise in advance for any issues caused.



Due to the nature of the works there will be some parking loss at times, access constraints and disturbance but we will endeavour to keep this to a minimum.

Work carried out on Micklehurst Road

Two large sycamore trees whose roots were affecting the culvert have been removed from one garden on Micklehurst Road, along with fence panels. Debris has also been cleared out of the culvert.

Part of the culvert that was washed out will be replaced with 1.2metres diameter of plastic pipe, while two new manhole covers will give better access. One will be installed with an open grid to allow overland flood flow to re-enter the culvert and reduce the risk of flooding. This work is due to be completed by 22 December with fence panels replaced and the affected garden reinstated after the Christmas break.

Residents have helped by clearing away debris from around the site.

Protecting yourself and your property in a flood

It is not possible to eliminate the risk of flooding entirely.

Areas such as Micklehurst Road are susceptible to flash flooding due to fast run off from the moors through steep sided valleys – compounded by the increasing frequency of extreme weather events. But you can take measures to reduce the risk of water getting in to your home or business and reduce its impact if it does get in. Residents are also advised to keep an eye on the watercourse and advise the relevant authorities if necessary.

Public Meeting

A Public meeting will be held at **Mossley Youth Base, The Rowans, Mossley, Ashton-under-Lyne OL5 9DR** on **Thursday 25th January 2018** at 7pm

Further information and advice on preparing for and dealing with flooding can be found on the following websites:

Environment Agency
www.gov.uk/prepare-for-flooding

National Flood Forum
www.nationalfloodforum.org.uk/

Tameside Council
www.tameside.gov.uk/resilience/floodadvice

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Project Update

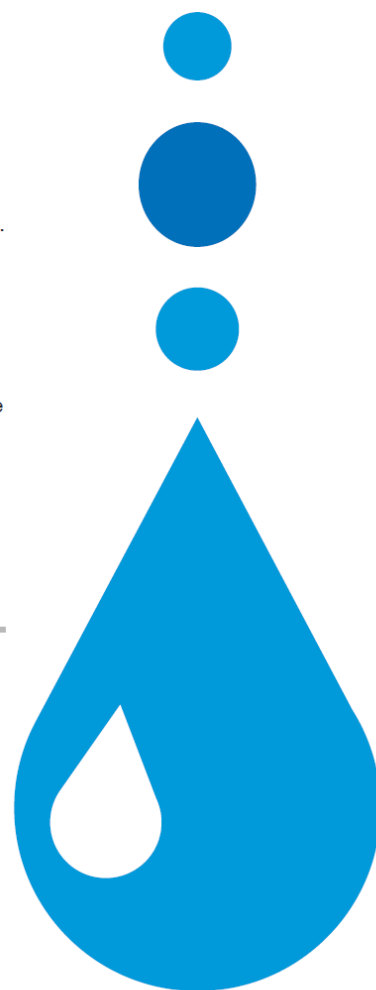
Repair work on the culvert

Galliford Black & Veatch have been contracted to carry out the repair works, which should last for approximately four months.

Due to a delay in procurement of site cabins the site compound setup has been in place since January 12th. Meanwhile preparation works including trial holes and exposing a buried manhole have been in progress since January 2nd.

Pumping operations will commence on Monday 22nd January, which will affect residents parking within the section of Micklehurst Road, between Hollins Lane to Egmont Street, which is currently closed off. Pumps will be in operation from 8am to 6pm to pump out water, which will cause some noise disturbance. The area in front of garages where there is a large void remains fenced off while the void is excavated and filled.

Galliford Black & Veatch will endeavour to undertake works to ensure minimum disturbance, disruption and inconvenience but apologise in advance for any issues caused.



Work carried out on Micklehurst Road

The culvert repair at the rear of one property has now been completed and we now need to start the process of reinstating the gardens, which will take about four weeks to complete. Unfortunately, the current wet weather may delay the start of these works until February/March to allow the repairs to be completed successfully. Previously two large sycamore trees whose roots were affecting the culvert were removed from the garden and debris was cleared out of the culvert.



Protecting yourself and your property in a flood

It is not possible to eliminate the risk of flooding entirely.

Areas such as Micklehurst Road are susceptible to flash flooding due to fast run off from the moors through steep sided valleys – compounded by the increasing frequency of extreme weather events. But you can take measures to reduce the risk of water getting in to your home or business and reduce its impact if it does get in. Residents are also advised to keep an eye on the watercourse and advise the relevant authorities if necessary.

A CCTV camera will be installed by the end of January to allow ongoing monitoring of the trash screens on Staley Brook.

Public Meeting

A public meeting organised for Thursday 25th January has been cancelled due to unforeseen circumstances and rescheduled for **Thursday 8th February**.

It will start with a public meeting at 6pm featuring a presentation on the works followed by a drop-in meeting between 7 and 8pm with staff from Tameside Council and the Environment Agency present to answer individual questions and discuss concerns.

The event takes place at **Mossley Youth Base, The Rowans, Mossley, Ashton-under-Lyne, OL5 9NL**

Further information and advice on preparing for and dealing with flooding can be found on the following websites:

Environment Agency
www.gov.uk/prepare-for-flooding

National Flood Forum
www.nationalfloodforum.org.uk/

Tameside Council
www.tameside.gov.uk/resilience/floodadvice

Useful Numbers

To report flooding or a blockage please contact the Environment Agency 24hrs incident hotline:
0800 807060

For help and information during a flood call Floodline on
0345 988 1188

Tameside Council operates an emergency out of hours service, you can call **0161 342 2222** for assistance. **Please remember that this number is for emergencies only.**

Other useful contacts in an emergency can be found on the Council's website: www.tameside.gov.uk/emergencyplanning/numbers

Contacting the team

If you have any concerns or wish to discuss any of the works being undertaken on this project, then please contact:

Tameside Council
email: tmbcplaces@tameside.gov.uk

Environment Agency
email: FloodResilienceGMMC@environment-agency.gov.uk