



# West Lancashire District Flood Report

**Recommended Actions**

**February 2017**



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# 1. Background:

As a Lead Local Flood Authority, Lancashire County Council has a role in coordinating flood risk activities and ensuring the free flow of communication and collaborative works. In order to help achieve this, Lancashire County Council and relevant risk management authorities meet regularly to discuss local flooding issues and to identify opportunities for managing future flood risks. This has worked very well up to now and has allowed risk management authorities to work closely together to tackle often complex and challenging situations. However following the significant flooding that hit Lancashire in December 2015, it became evident that improvements could be made to the way in which these messages get communicated to affected communities.

As such, Lancashire County Council has now developed a series of district level reports which aim to provide affected communities with information about what relevant risk management authorities are doing in their areas to help manage the risk of flooding from a variety of sources. These reports will identify opportunities for further investigation and investment, and will provide concerned homeowners and businesses with information about what they can do to help protect their own properties from flooding in the future. These reports will be compiled and published by the Lead Local Flood Authority based on data that has been provided by relevant risk management authorities. These reports will be updated on a quarterly basis to allow affected communities to see progress and resolution of as many issues as possible, as quickly as possible.

## 2. Key Definitions

### The Risk Management Authorities

The risk management authorities are identified in the Flood and Water Management Act, 2010 (FMWA) as follows:

- a) The Environment Agency (EA),
- b) The lead local flood authority,
- c) A district council for an area for which there is no unitary authority,
- d) An internal drainage board,
- e) A water company, and
- f) A highway authority.

Each of these organisations has powers and duties under various legislation and regulations for the responsible management of natural water, flood risk and in some cases coastal erosion. The FMWA requires all the risk management authorities to cooperate with other relevant authorities in the exercise of their flood and coastal erosion risk management functions. In Lancashire, the RMAs support partnership working in the following ways:

- at operational levels by joint investigations and through the Making Space for Water meetings;
- at tactical level by sharing priorities and direction between organisational managers, and
- at strategic level by engaging with Councillors/Cabinet Members/Senior Managers.

Lancashire, Blackpool and Blackburn-with-Darwen are also represented on the North West Regional Flood and Coastal Committee where cross-boundary projects, resources and data are shared with Cumbria, Greater Manchester, Merseyside and Cheshire.

The village of Earby in Pendle District is a special case in that it lies within a river catchment that falls towards North Yorkshire, so its local EA services are supplied through the Yorkshire team. This gives the Lancashire partnership a direct connection to the Yorkshire Regional Flood & Coastal Committee. Earby also receives services from the Earby and Salterforth Internal Drainage Board (IDB), which replaces a number of the lead local flood authority functions. These functions are further explored in Section 3 of this report.

## The Risk Management Functions

The risk management authorities have responsibility for flood risk management functions as defined under Section 4 (2) of the FWMA:

- a) a function under this Part,
- b) a function under section 159 or 160 of the Water Resources Act 1991,
- c) a flood defence function within the meaning of section 221 of that Act,
- d) a function under the Land Drainage Act 1991,
- e) a function under section 100, 101, 110 or 339 of the Highways Act 1980, and
- f) any other function, under an enactment, specified for the purposes of this section by order made by the Minister.

## Riparian Landowners

The legal term 'riparian' is applied to landowners who own land adjoining or containing a river or watercourse. They have certain rights to use the water flowing across their land for their own purposes, and in regard to flood risk management they also have a number of responsibilities, including the following:

- to maintain the bed and banks of the watercourse, and also the trees and shrubs growing on the banks;
- to clear any debris, even if it did not originate from their land. This debris may be natural or man-made;
- to keep any structures within their ownership clear of debris. These structures include culverts, trash screens, weirs and mill gates.

If riparian landowners do not fulfil their responsibilities they may face enforcement action taken by the relevant risk management authority.

## Interconnections between responsibilities

Public sewers in Lancashire are principally the responsibility of United Utilities plc or Yorkshire Water plc. Copies of the record maps indicating the location of public sewers in Lancashire are held in the water companies' head offices. These companies also keep records of pumping stations and any water treatment works which form part of the public sewage system.

Private drainage systems are the responsibility of each owner whose property it drains. Where more than one property uses a private pipe, responsibility is normally shared proportionately. The private system comprises all the pipes up to the point of connection with a public sewer (this can include the entire system where connected to a septic tank, cesspool or soakaway). Formal records indicating the location of private drainage systems are not held by any RMA. The deeds of a property may include details.

The highway surface water drainage of all adopted public roads, other than trunk roads or motorways, is the responsibility of LCC as the local highway authority, including roadside drainage gullies and certain roadside ditches. Drainage from trunk roads and motorways is the responsibility of Highways

England (formerly the Highway Agency). Drainage of private unadopted roads is normally the responsibility of private property owners who make use of or adjoin the road.

Land drainage comprises systems of rivers, watercourses, ditches, culverts, pipes, lakes and ponds intended to drain water resulting from rainfall and flows from underground sources. Typically the primary responsibility for maintaining responsible flows in land drainage systems lies with the riparian owner or owners, with the LLFA, EA, IDB and local councils holding enforcement powers to use if the land owner/s default in their duties.

All drainage systems eventually discharge into the sea as the lowest possible point for water to collect. In Lancashire, this is at Morecambe Bay or the Irish Sea directly.

All drainage networks are formed from combinations of these systems to overcome historic demands of efficiency, simplicity and convenience. For example, a highway gully may well connect to a length of highway drainage pipe before connecting to a private ditch, or a public surface water sewer, or directly to a main river. The original reasoning for these arrangements may now be forgotten or inappropriate for current needs, but the physical interconnection of drainage systems means that it is often impossible to tell just from looking at flood water exactly where the barrier to flow arises and therefore exactly which organisation may need to take remedial action.

It is therefore vital for the RMAs to share information and collaborate during investigations, and for the investigations to be allocated to the appropriate organisation to lead. Where 'appropriateness' is not immediately clear, the LLFA will usually take the lead until better information is available.

## 3. Key Functions of the Risk Management Authorities

### The Environment Agency

The flood risk management responsibilities of the EA include the following:

- a) strategic overview for all forms of flooding;
- b) provision of a National Strategy for Flood and Coastal Erosion Risk Management (FCERM) to cover all forms of flooding;
- c) a power to request information from third parties in connection with flood risk management duties. Risk management authorities have a duty to co-operate with the EA in the provision of such information;
- d) a duty to co-operate with other relevant authorities in the exercise of flood risk management functions, which may include the sharing of information with other relevant authorities;
- e) a duty to have regard to Local Flood Risk Management Strategies;
- f) a duty to be subject to scrutiny from lead local flood authorities' democratic processes;
- g) responsibility for managing coastal flooding;
- h) responsibility for managing fluvial flooding from main rivers;
- i) responsibility for issuing environmental permits for work that might impact on main river flows;
- j) responsibility for maintaining its own flood risk management assets including pumps and flood basins;
- k) updated provisions for the regulation of reservoirs;
- l) permissive powers to carry out maintenance work on main rivers under Section 165 of the Water Resources Act 1991;
- m) the provision of flood forecasting and warning services;
- n) the provision of flood maps;
- o) the provision of flood related information and advice;
- p) investment in flood defences, supplemented through partnership funding where appropriate;

- q) a power to take enforcement action where flow in a main river has been impeded and may cause a flood risk.

## Lancashire County Council

LCC has a dual risk management role, in its capacity as both highway authority and LLFA. The County Council as the LLFA has a number of duties and powers, in addition to the duty to investigate flooding set out above. These include:

- a) a duty to develop, maintain, apply, monitor and consult on an LFRMS for its area (copy available from the LCC website [www.lancashire.gov.uk](http://www.lancashire.gov.uk));
- b) a duty to develop and maintain a register of structures or features which might impact on flood risk, including ownership and condition (the Flood Risk Asset Register is available on the LCC website [www.lancashire.gov.uk](http://www.lancashire.gov.uk));
- c) the management of the consenting process for works that are likely to affect the flow characteristics of ordinary watercourses (Land Drainage Consent – guidance available on the LCC website [www.lancashire.gov.uk](http://www.lancashire.gov.uk));
- d) a power to undertake works for managing flood risk from surface run-off or groundwater;
- e) a power to request information from third parties in connection with flood risk management duties. RMAs have a duty to co-operate with the LLFA in the provision of such information;
- f) a power to designate structures and features that affect flooding or coastal erosion.
- g) a power to take enforcement action where there is an obstruction to an ordinary watercourse that may cause a flood risk.

LCC as the local highway authority has a duty under the Highways Act 1980 to maintain highways that are maintainable at public expense. This includes responsibility for highway drainage, as well as for the condition and safety for users of all highway assets including roads, footways, bridges and culverts, street lighting and traffic signals.

As local highway authority, LCC has a duty to co-operate with other relevant authorities in the exercise of flood risk management functions, which may include the sharing of information with other relevant authorities

LCC also has private responsibilities for land drainage where it is a land owner.

## City and Borough Councils

The flood risk management responsibilities of City and Borough councils include the following:

- a) a power to designate structures and features that affect flooding or coastal erosion;
- b) a duty to exercise their flood risk management functions in a manner consistent with local and national strategies, and to have regard to those strategies in their other functions;
- c) a duty to be subject to scrutiny from LLFAs' democratic processes;
- d) a power to do works on ordinary watercourses
- e) a duty to co-operate with other relevant authorities in the exercise of flood risk management functions, which may include the sharing of information with other relevant authorities.

City and Borough Councils have a number of wider functions and roles that can be relevant to flood risk management and response. These include local planning, housing, environmental health and community engagement activity, as well as private responsibilities for land drainage where they are a land owner.

## Internal Drainage Boards

An Internal Drainage Board (IDB) is a local public authority established in areas of special drainage need in England and Wales. IDBs have permissive powers to manage water levels within their respective drainage districts. IDBs undertake works to reduce flood risk to people and property and manage water levels to meet local needs. The expenses of an IDB are predominantly funded by the local beneficiaries of the water level management work they provide. Each IDB sets a budget for its planned work in the forthcoming year and any investments it needs to make for future projects. More information about IDBs can be found from the Association of Drainage Authorities ([www.ada.org.uk](http://www.ada.org.uk)).

## Water Companies

The flood risk management responsibilities of water companies (in Lancashire: United Utilities plc and Yorkshire Water plc) include the following:

- a) a duty as sewage undertakers under Section 94 of the Water Industry Act 1991, to provide & maintain sewers for the drainage of buildings and associated paved areas within property boundaries;
- b) responsibility as sewerage undertakers for lateral drains and public sewers, the latter being defined as a conduit, normally a pipe that is vested in a Water and Sewerage Company, or predecessor, that drains two or more properties and conveys foul, surface water or combined sewage from one point to another point and discharges via a positive outfall;
- c) responsibility for any flooding which is directly caused by its assets – i.e. its water or sewerage pipes;
- d) a duty to be subject to scrutiny from local flood authorities' democratic processes;
- e) a requirement to exercise flood risk management functions in a manner consistent with the national strategy and guidance and have regard to the local strategies and guidance;
- f) a duty to co-operate with other relevant authorities in the exercise of flood risk management functions, which may include the sharing of information with other relevant authorities.

## Civil Contingencies Responsibilities

The RMAs listed above (with the exception of the IDBs) have additional responsibilities under the Civil Contingencies Act 2004, which provides the statutory basis for dealing with a response to flooding in emergency situations. These include flood preparedness planning and flood response.

## 4. Recommended Actions:

This report is a living document and we want to continue working with relevant risk management authorities and communities to help develop it further. You can help us to do this by providing any additional information or evidence that you may have, along with any further ideas and actions that you feel should be included. It may not be possible to take all ideas and actions forward, but they will all be appropriately considered by the relevant risk management authorities. Please let us know by emailing [highways@lancashire.gov.uk](mailto:highways@lancashire.gov.uk)

### County-wide Actions:

Who	What is needed and when?	What has been done and/or what will be done?
All RMAs	<p>In advance of forecast flood conditions, those risk management authorities with responsibility for flood risk-related assets, public infrastructure and/or flood defences should take preparatory action to minimise the risk of damage to their own property as well as the properties of others who rely on these assets for protection.</p>	<p>In advance of the December 2015 floods, those risk management authorities with responsibility for flood risk-related assets, public infrastructure and/or flood defences carried out a range of activities to minimise the risk of damage to their own property as well as the properties of others who rely on those assets for protection. This included (but is not limited to):</p> <ul style="list-style-type: none"> <li>• arranging for close monitoring of weather conditions;</li> <li>• bringing in extra staff resources to be available on the ground or within incident rooms, and out of normal working hours;</li> <li>• issuing flood warnings;</li> <li>• clearing road gullies and trash screens where possible;</li> <li>• activating flood basins in Garstang and Catterall;</li> <li>• activating pumps where possible;</li> <li>• deploying demountable flood barriers in Ribchester, St Michaels and Whalley;</li> <li>• establishing communications with partner organisations; and</li> <li>• activating other pre-planned actions.</li> </ul> <p>Following its investigation in to the December 2015 floods, the Lead Local Flood Authority concluded that all risk management authorities that had relevant flood risk functions before the December 2015 floods, exercised those functions in regard to the flood event - no such functions are still to be exercised. Examples of planned preparatory activities included (but are not limited to):</p> <p>Whilst risk management authorities remain committed to providing the best possible protection for homes and businesses, it is recognised that the frequency and intensity of rainfall events is changing; making them increasingly difficult to predict and prepare for. In fact, December 2015 saw the highest river flow levels ever recorded, the wettest December on record and also the wettest calendar month overall since records began in 1910. This resulted in a huge impact upon people, homes and businesses, with over 2,500 properties flooded in Lancashire alone. The changing nature of these rainfall events means that flooding can occur almost anywhere and with very little warning. As such, homeowners and businesses are being encouraged to consider property level flood resilience measures to reduce the risk of flood water entering their properties and to speed up the recovery if it does. Property level flood resilience measures can be installed as either a preparatory measure for properties at risk of flooding, or during the repair of buildings after they have been flooded. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">http://www.lancashire.gov.uk/flooding</a>.</p>



<p>All RMAs</p>	<p>Upon being notified of a flood event, those risk management authorities with relevant flood risk management functions should provide advice and support to local communities to help minimise the impact of the flooding and to help residents and businesses to get back on their feet.</p>	<p>The extreme and unprecedented storms and rainfall events of November and December 2015 caused flooding throughout December to over 2,500 properties in Lancashire. These floods also damaged private gardens, garages and out-buildings, business premises, agricultural property and many items of critical public infrastructure including roads, bridges and retaining walls, water treatment plants, power and communications installations, and essential community buildings such as schools, village and town halls.</p> <p>In order to help minimise the impact of the flooding across Lancashire, those risk management authorities with responsibilities under the Civil Contingencies Act 2004 acted under the direction of the Lancashire Resilience Forum (LRF) to provide practical support to the police, fire and rescue and NHS. This involved helping the emergency services contact vulnerable people to make sure they were safe; to help evacuate people from flooded areas; to close flooded roads and bridges; to put diversions in place and to clear blocked drains on the road. The Environment Agency also carried out pumping activities in critical areas, namely St Michaels, Rufford and Croston, and district council's provided sandbags where possible.</p> <p>Following its investigation in to the December 2015 floods, the Lead Local Flood Authority concluded that all risk management authorities that had relevant flood risk functions during the December 2015 floods, exercised those functions in regard to the flood event - no such functions are still to be exercised.</p> <p>Despite the best efforts of the emergency services and relevant risk management authorities, the impact of the December 2015 floods was significant. In order to help residents and businesses get back on their feet as quickly as possible, risk management authorities arranged and/or attended a number of 'drop-in' events that were held around the county during January and February 2016. These included:</p> <ul style="list-style-type: none"> <li><b>21 Jan 2016:</b> New Road Community Centre in Pendle.</li> <li><b>25 Jan 2016:</b> Parbold Village Hall in West Lancashire.</li> <li><b>26 Jan 2016:</b> Our Lady's Catholic College in Lancaster.</li> <li><b>27 Jan 2016:</b> The Grapes Public House in Wyre.</li> <li><b>28 Jan 2016:</b> Chorley Town Hall in Chorley.</li> <li><b>01 Feb 2016:</b> Fiveways Public House in West Lancashire.</li> <li><b>02 Feb 2016:</b> The Civic Centre in South Ribble.</li> <li><b>03 Feb 2016:</b> St Leonard's Primary School in Burnley.</li> <li><b>10 Feb 2016:</b> Whalley in Ribble Valley.</li> <li><b>10 Feb 2016:</b> Irwell Vale in Rossendale.</li> </ul> <p>The aim of these events was to provide information and support to residents and businesses, as well as to gather eye-witness reports to help improve the collective understanding of the main flood mechanisms. Affected residents were invited to discuss their issues with the relevant risk management authorities and were offered advice and support on flood recovery, flood warnings, property flood resilience measures and opportunities for accessing flood relief grants and other funding mechanisms. Where possible, relevant risk management authorities also attended many community led meetings to further explore local conditions and to identify ways of managing local flood risk. Residents were given support and advice regarding the formation of new Flood Action Groups and the development of community flood plans.</p> <p>Since December 2015, many hundreds more households have signed up to receive direct flood warnings from the Environment Agency and many new Flood Action Groups have formed to help residents and other community members to help each other, and to activate local Flood Plans. Lancashire County Council's own communications have been improved to give more useful and interactive information in advance of, during and after a flood event and the multi-agency response to major flood emergencies is in the process of adapting to take account of key lessons learned from December 2015 events.</p>
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<p>LCC LLFA</p>	<p>Following a flood event, the Lead Local Flood Authority should record details of the flood event and should establish a reliable flood timeline in order to assess whether it triggers an investigation under Section 19 of the Flood and Water Management Act, 2010. If an investigation is triggered, then this should be commenced at the earliest opportunity and the findings from the investigation should be published in a timely manner.</p>	<p>Together with other risk management authorities, Lancashire County Council has recorded and verified a significant amount of data relating to the December 2015 floods in Lancashire. This data has been used to establish a reliable flood timeline and to assess whether the event triggers an investigation under Section 19 of the Flood and Water Management Act, 2010 (known as Section 19 investigations). Despite the best efforts of all risk management authorities, some additional data identifying flooded property may yet come to light. This will need to be collected when opportunities arise and whilst other functions are being carried out.</p> <p>In assessing whether a Section 19 investigation is appropriate, the Lead Local Flood Authority considers the criteria outlined within the flood investigation policy which was published by Lancashire County Council in October 2014. This policy outlines the legal requirements to investigate flood incidents and provides details on the criteria applied in deciding whether or not an investigation is appropriate. A copy of this policy can be accessed via the following link: <a href="http://www.lancashire.gov.uk/media/392349/Flood-Investigation-Policy.pdf">http://www.lancashire.gov.uk/media/392349/Flood-Investigation-Policy.pdf</a></p> <p>Due to the geographical distribution and magnitude of the events, it was concluded that a detailed investigation for each affected community wouldn't be a practical use of resources. As such, it was decided that the most efficient approach was to initiate a countywide investigation that encompassed all of the communities known to have been affected during December 2015; including communities which would have otherwise failed to meet the criteria for a Section 19 investigation. In delivering its countywide investigation, the Lead Local Flood Authority adopted a two-staged approach to ensure that it met its legal obligations as a minimum, but to also ensure that affected communities were identified and that appropriate prioritised actions were put in place.</p> <p>Stage one investigated the two major storm events in December 2015 and identified all known communities that experienced flooding as a result of these events, focussing on statutory responsibilities and the duties of flood risk management authorities during the events. The findings of this investigation have now been published and can be accessed via the links below. It should be noted that the Lead Local Flood Authority's responsibility for investigation only extends as far as establishing which of the risk management authorities has a flood risk management function and whether they have, or will be, exercising that function. The publication of this report therefore discharges the Lead Local Flood Authority's responsibility under Section 19 of the Flood and Water Management Act, 2010.</p> <p>Report: <a href="http://council.lancashire.gov.uk/documents/s96528/Annex%201.pdf">http://council.lancashire.gov.uk/documents/s96528/Annex%201.pdf</a></p> <p>Appendix: <a href="http://council.lancashire.gov.uk/documents/s96529/Appendix%20A.pdf">http://council.lancashire.gov.uk/documents/s96529/Appendix%20A.pdf</a></p> <p>Stage two reports on the progress of all recommended actions which have been identified by relevant risk management authorities following the December 2015 floods. This allows communities to see progress and resolution of as many issues as possible within each of the individual communities listed in Appendix A. The 'stage two' reports will be compiled and published by the Lead Local Flood Authority based on data provided by relevant risk management authorities. Whilst the reports do not form part of the formal Section 19 process, they are recognised as a necessary follow-on from the Section 19 investigation and from the commitments made under the Lancashire and Blackpool Flood Risk Management Strategy. An updated version of the 'stage two' reports will be published by the Lead Local Flood Authority.</p>
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## District-wide Actions:

Who	What is needed?	What has been done and/or what will be done?	Status
LCC as LLFA	Review Surface Water Management Plan (Level 2) for West Lancashire District	LCC consultants have reviewed all known surface water flood risks in the District and propose areas for deeper investigation leading to investment in improvement schemes where these would be cost-effective.	Complete. Progress to be reported through other channels.

## Community Actions:

### MSFW85: Appley Bridge (Mill Bank Area)

1 property is known to have suffered from internal flooding at this location on 26th December 2015. Preliminary reports indicate that the primary source of the flooding was the Calico Brook Ordinary Watercourse which is believed to have exceeded its banks as a result of the trash screen being blocked with excess debris.

Who	What is needed?	What has been done and/or what will be done?	Status
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No assets have been identified within this community as 'in need of returning to full operation'.	Closed
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Working with the affected residents, improvement works to Calico Brook culvert headwall/trash screen configuration have been identified as offering scope to reduce risk. Short term measures are being investigated in order to provide benefits to the community. Longer term plans will be considered once modelling of Calico Brook has been completed by the EA. The process is underway to secure Defra funding to support investigation and works.	Open
All RMAs	Project required to improve management of Calico Brook through head wall/trash screen.	Since November 2016, the local EA team and West Lancs BC has been progressing a site-specific investigation of options to improve management of the trash screen on Calico Brook, upstream of Mill Lane & Mill Bank), however a detailed update is not yet available. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW55: Appley Bridge (North Drive Area)**

1 property is known to have suffered from internal flooding at this location on 26th December 2015.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a>	Closed
LCC as LLFA	Further investigation required to identify flood mechanisms & opportunities to reduce future risk.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW273: Aughton**

4 properties are known to have suffered from internal flooding at this location on 26th December 2015.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a>	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW121: Bescar**

5 properties are known to have suffered from internal flooding at this location on 26th December 2015.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	LCC Highways have completed jetting and cleaning of system and gullies in this location, Raised kerbs and ACO channel installed to reduce risk of water reaching houses.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a>	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW262: Bickerstaffe (Barrow Nook Area)**

5 properties are known to have suffered from internal flooding at this location on 26th December 2015.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open



**MSFW359: Bickerstaffe (High Lane Area)**

1 property is known to have suffered from internal flooding at this location on 26th December 2015.

Who	What is needed?	What has been done and/or what will be done?	Status
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW264: Bickerstaffe (Knoll Brook Area)**

3 properties are known to have suffered from internal flooding at this location on 26th December 2015.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

**MSFW247: Burscough (Crabtree Bridge Area)**

1 property reported internal flooding at this location on 26th December 2015. Additional information supplied by the Burscough Flood Group (working for Burscough Parish Council) provides extensive supplemental details which now forms part of the public record and which will be used to aid investigations and outcomes.

Who	What is needed?	What has been done and/or what will be done?	Status
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW249: Burscough (Crabtree level crossing)**

4 properties are known to have suffered from internal flooding at this location on 26th December 2015. Neighbours have since reported verbally that an additional property was affected. Additional information supplied by the Burscough Flood Group (working for Burscough Parish Council) provides extensive supplemental details which now forms part of the public record and which will be used to aid investigations and outcomes.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW250: Burscough (Junction Lane Area)**

5 properties are known to have suffered from internal flooding at this location on 26th December 2015. Additional information supplied by the Burscough Flood Group (working for Burscough Parish Council) provides extensive supplemental details which now forms part of the public record and which will be used to aid investigations and outcomes.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	<p>UU: Sewer related flooding - surveys currently being carried out to look at possible mitigation options. No timescale for completion at this time.</p> <p>EA: Investigations into sources of flooding in Burscough shows that in no instance is there main river involvement. There is between 10 and 25 metres difference between Boathouse Sluice and any flooded location in Burscough. Further EA investigations have also discounted ground water as a potential source of the flooding.</p>	Open
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	<p>Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a>.</p>	Closed
LCC as LLFA	To determine appropriate form of Burscough study, access Defra funding & deliver.	<p>Since the last technical update, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. It has since been concluded that further action will be required in response to this flood event. This includes a detailed study of surface water in Burscough to gain a better understanding of the local issues. This investigation will be programmed and delivered by the Lead Local Flood Authority – however, the scope of the investigation and target for delivery is yet to be determined. In the meantime, the Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a>. The Lead Local Flood Authority anticipates that further updates regarding this will</p>	Open

		be made available within the next update which is due to be published in June 2017.	
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## MSFW251: Burscough (Mill Lane Area)

11 properties are known to have suffered from internal flooding at this location on 26th December 2015. Additional information supplied by the Burscough Flood Group (working for Burscough Parish Council) provides extensive supplemental details which now forms part of the public record and which will be used to aid investigations and outcomes.

Who	What is needed?	What has been done and/or what will be done?	Status
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	UU: Improved sewer services completed to Mill Lane and all flats in Ainscough Mill.  EA: Investigations into sources of flooding in Burscough shows that in no instance is there main river involvement. There is between 10 and 25 metres difference between Boathouse Sluice and any flooded location in Burscough. Further EA investigations have also discounted ground water as a potential source of the flooding.	Closed
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	To determine appropriate form of Burscough study, access Defra funding & deliver.	Since the last technical update, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. It has since been concluded that further action will be required in response to this flood event. This includes a detailed study of surface water in Burscough to gain a better understanding of the local issues. This investigation will be programmed and delivered by the Lead Local Flood Authority – however, the scope of the investigation and target for delivery is yet to be determined. In the meantime, the Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further	Open

		advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> . The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	
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## **MSFW248: Burscough (Moss Lane Area)**

1 property is known to have suffered from internal flooding at this location on 26th December 2015. Additional information supplied by the Burscough Flood Group (working for Burscough Parish Council) provides extensive supplemental details which now forms part of the public record and which will be used to aid investigations and outcomes.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.  EA investigations have discounted ground water as a potential source of the flooding.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	To determine appropriate form of Burscough study, access Defra funding & deliver.	Since the last technical update, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. It has since been concluded that further action will be required in response to this flood event. This includes a detailed study of surface water in Burscough to gain a better understanding of the local issues. This investigation will be programmed and delivered by the Lead Local Flood Authority – however, the scope of the investigation and target for delivery is yet to be determined. In the meantime, the Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link:	Open

		<p><a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a>. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.</p>	
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## **MSFW357: Burscough (Warpers Moss Lane Area)**

1 property is known to have suffered from internal flooding at this location on 26th December 2015,. Additional information supplied by the Burscough Flood Group (working for Burscough Parish Council) provides extensive supplemental details which now forms part of the public record and which will be used to aid investigations and outcomes.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	LCC Highway have cleared gullies post event (January 2016)	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	To determine appropriate form of Burscough study, access Defra funding & deliver.	Since the last technical update, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. It has since been concluded that further action will be required in response to this flood event. This includes a detailed study of surface water in Burscough to gain a better understanding of the local issues. This investigation will be programmed and delivered by the Lead Local Flood Authority – however, the scope of the investigation and target for delivery is yet to be determined. In the meantime, the Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link:	Open

		<p><a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a>. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.</p>	
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## **MSFW119: Carr Cross**

2 properties are known to have suffered from internal flooding at this location on 26th December 2015.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	LCC Highways have cleaned gullies post event.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	LCC Highways have identified further work required (including high-pressure equipment and CCTV) to investigate drainage network and ensure it is running freely.	Open
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW209: Halsall (Dicconsons Lane Area)**

1 property is known to have suffered from internal flooding at this location on 26th December 2015.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW211: Halsall (Greenways Area)**

1 property is known to have suffered from internal flooding at this location on 26th December 2015.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

**MSFW210: Halsall (North Moor Lane Area)**

1 property is known to have suffered from internal flooding at this location on 26th December 2015.

Who	What is needed?	What has been done and/or what will be done?	Status
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open



## MSFW208: Halsall (Plex Lane Area)

1 property is known to have suffered from internal flooding at this location during December 2015.

Who	What is needed?	What has been done and/or what will be done?	Status
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW149: Hildale**

4 properties are known to have suffered from internal flooding at this location on 26th December 2015.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMA's	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	LCC Highways have repaired a culvert.	Complete
All RMA's	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	LCC Highways have identified that further investigation is required into the nature and condition of the local drainage system is required.	Open
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW157: Hoscar**

1 property (Hoscar train station) is known to have suffered from internal flooding at this location on 26th December 2015. Preliminary reports indicate that primary source of the flooding is the main river which is located adjacent to the station.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community, but further investigations are required to clarify location and extent of flooding in this location.	Open
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW122: Hurlston Green**

2 properties are known to have suffered from internal flooding at this location on 26th December 2015. Preliminary reports indicate that the primary source of flooding was surface water.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	LCC Highways have completed gully cleaning following event, no problems identified at this location.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW161: Lathom**

5 properties are known to have suffered from internal flooding at this location on 26th December 2015.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	LCC Highways cleaned gullies in February 16 on Lowry Hill Lane.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW160: Lathom (Carr Lane Area)**

3 properties are known to have suffered from internal flooding at this location on 26th December 2015.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	LCC Highways have carried out jetting and CCTV survey, blockage found and removed, and system is functioning as it should.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	LCC Highways and UU need to carry out further investigation into surface water, including reports of sewage in Carr Lane.	Open

## **MSFW158: Lathom (Cranes Lane Area)**

1 property is known to have suffered from internal flooding at this location on 26th December 2015. On investigation, this appears to be a surface water flooding issue.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	Site inspection commenced – awaiting feedback from residents.	Affected properties have been asked (February 2017) for contact details to enable detailed investigations to progress. Responses awaited.	Open

**MSFW159: Lathom (Hall Lane Area)**

4 properties are known to have suffered from internal flooding at this location on 26<sup>th</sup> December 2015. A review of the area has identified that the affected properties are located near to an Ordinary Watercourse, but it is not clear at this stage whether this was the primary source of the flooding.

Who	What is needed?	What has been done and/or what will be done?	Status
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	LCC Highway have jetted and cleared drainage system in the vicinity of Palace House Farm, and installed an additional manhole to aid in future maintenance of this system.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	To report back to the relevant risk management authorities on findings from recent site inspections and discussions with affected residents.	Meeting planned 14 March – to be reported in next technical update.	Open
LCC as LLFA	Site inspection commenced – awaiting feedback from residents.	Affected properties have been asked (February 2017) for contact details to enable detailed investigations to progress. Responses awaited.	Open



### **MSFW358: Lathom (Vale Lane Area)**

2 properties are known to have suffered from internal flooding at this location on 26th December 2015. A review of the area has identified that the affected properties are located within a flood zone 2, but it is not clear at this stage whether this was the primary source of the flooding.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	LCC Highways cleared gullies in January 2016.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	LCC Highways have met with residents and jointly identified a number of actions that are to be progressed: <ul style="list-style-type: none"> <li>• Tree to be removed from upstream of culvert;</li> <li>• Culvert headwall to be cleared of debris;</li> <li>• Camera survey to be undertaken and trace also requested to enable drainage layout to be recorded.</li> </ul>	Open

## MSFW360: Mawdesley

2 properties are known to have suffered from internal flooding at this location on 26th December 2015.

Who	What is needed?	What has been done and/or what will be done?	Status
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

**MSFW162: Newburgh (Tabby's Nook Area)**

9 properties are known to have suffered from internal flooding at this location on 26th December 2015.

Who	What is needed?	What has been done and/or what will be done?	Status
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW163: Newburgh (Course Lane Area)**

9 properties are known to have suffered from internal flooding at this location on 26th December 2015. Preliminary reports indicate that the primary source of the flooding was Tabby's Nook Ordinary Watercourse which overtopped its banks.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW154: Ormskirk (Aughton Park Area)**

1 property is known to have suffered from internal flooding at this location on 26th December 2015.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	LCC Highways has carried out root cutting and jetting of the system on Parrs Lane running towards Prescott Road both prior to and after the event, and installed new manholes to improve access and aid cleaning/root cutting.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW156: Ormskirk**

76 properties are known to have suffered from internal flooding at this location on 26th December 2015. Preliminary reports indicate that the primary source of the flooding was from Sandy / Hurlston Brook which overtopped its banks during the event. Reports also indicate that many surface water drains were unable to discharge into Sandy / Hurlston Brook during high levels.

More detailed investigation has identified that this description includes a number of separate locations - this record will be sub-divided into the different locations for future reports.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
EA	Flood Warning Area	The EA are in the process of developing a flood warning area for the Hurlston / Sandy Brook catchment within Ormskirk. This is scheduled for completion in Spring 2017.	Open
LCC as LLFA	Hurlston Brook Study underway since 2014.	The study is being carried out by LCC's consultants, looking at the flooding mechanisms connected to the Hurlston Brook and identifying viable options for reducing flood risk along its length. Study on target to conclude March 2017, leading to option appraisal and future bids to Defra for scheme funds.	Open

**MSFW155: Ormskirk (Blindman's Lane/Southport Road Area)**

1 property is known to have suffered from internal flooding at this location on 26th December 2015. Indications are that this is primarily surface water flooding from overland flows down Blindmans Lane across Southport Road. Also a ditch adjacent to Marsh Lane may have contributed as flows will not have been able to discharge to the main river from this system.

Who	What is needed?	What has been done and/or what will be done?	Status
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	LCC Highways have identified that gullies at the end of Blindmans Lane connect into a highway drain which runs along Southport Road. This drain has been surveyed and gullies cleaned in March 2016.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	LCC Highways to replace a drain in Southport Road. Funding now secured in LCC Capital Programme. Also to consider whether benefit in continuing investigation into all mechanisms of flooding and remedial actions.	Open
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW150: Parbold**

122 properties are known to have suffered from internal flooding at this location on 26 December 2015. The properties affected were primarily residential, however some commercial properties and a nursing home were affected. Preliminary reports indicate that the primary source of the flooding is thought to be surface water run off from the Dock Brook Ordinary Watercourse which overtopped its banks. Reports also indicate flooding from the River Douglas.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	LCC Highways has completed gully cleaning following flooding event. Debris screen has been maintained (rear of No.41 Westview).Connectivity surveys have been undertaken in the vicinity of Dock Brook and in and around Brandreth Drive estate. Responsibility for some surface water drainage outlets identified and actions taken to improve these.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	<p>Bid to Defra for drainage investigation leading to viable flood risk reduction works has been successful (currently 2021) subject to detailed scoping study.</p> <p>Maintenance of flap valves remains unresolved to date due to complex land ownership.</p> <p>Residents Flood Action Group has been established. RMA's engaged with the group and assisting with flood resilience measures and flood action plans etc. Report written by this group has been distributed to the RMAs and its comments and proposed actions are being considered. RMAs continue to liaise with the community group to keep them informed of any updates.</p> <p>Further investigations by EA and West Lancs BC are underway – detailed report expected following next Making Space for Water meeting, 14 March.</p>	Open



**MSFW112: Pimbo**

1 property is known to have suffered from internal flooding at this location on 26th December 2015.

Who	What is needed?	What has been done and/or what will be done?	Status
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a>	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW54: Roby Mill**

2 properties are known to have suffered from internal flooding at this location on 26th December 2015. Following investigations it is now considered that the primary mechanism related to watercourse obstructions in a defective culvert.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk-related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant Risk Management Authorities and/or riparian landowners	LCC Highways: Initial response and investigation identified defective culvert and drainage system which have now been replaced and repaired.	Closed
All RMAs	Following a flood event, all Risk Management Authorities should work together to identify common methods for managing flood risk in the affected communities and identify opportunities for any quick wins, detailed investigations or studies that may be required in response to the flood event.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a>	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW126: Rufford (Fettlers Wharf)**

1 property is known to have suffered from internal flooding at this location on 26th December 2015. A review of the area has identified that the affected property lies within a flood zone 3, but it is not clear at this stage whether this was the primary source of the flooding but a breached river embankment is a likely contributory factor.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	EA have repaired a breach to the embankment of River Douglas.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a>	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW124: Rufford (Holmeswood Area)**

1 property is known to have suffered from internal flooding at this location on 26th December 2015.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a>	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

**MSFW120: Scarisbrick**

4 properties are known to have suffered from internal flooding at this location on 26th December 2015, however there is currently only limited information available regarding the cause and source of this event. See also MSFW356 South Lodge.

Who	What is needed?	What has been done and/or what will be done?	Status
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	LCC Highways cleared gullies February 2016.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a>	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW118: Scarisbrick (New Lane Area)**

1 property is known to have suffered from internal flooding at this location on 26th December 2015.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	LCC Highways have completed gully cleaning post event - no problems reported	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a>	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

**MSFW356: Scarisbrick (South Lodge Area)**

1 property is known to have suffered from internal flooding at this location on 26th December 2015.

Who	What is needed?	What has been done and/or what will be done?	Status
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	LCC Highways cleared gullies January 2016 and reported running.	Open
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	LCC Highways to carry out further clearing of drainage system and to consider value of further investigation to identify if further action needs to be taken.	Open

**MSFW113: Skelmersdale (Tanhouse Area)**

1 property is known to have suffered from internal flooding at this location on 26th December 2015.

Who	What is needed?	What has been done and/or what will be done?	Status
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	LCC Highways checked and cleaned all gullies in this location and desilted manhole and system in January 2016.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a>	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open



**MSFW114: Skelmersdale (Town Centre)**

1 property is known to have suffered from internal flooding at this location on 26th December 2015.

Who	What is needed?	What has been done and/or what will be done?	Status
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a>	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW104: Tarleton (Blackgate Road Area)**

1 property is known to have suffered from internal flooding at this location on 26th December 2015.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, all Risk Management Authorities should work together to identify common methods for managing flood risk in the affected communities and identify opportunities for any quick wins, detailed investigations or studies that may be required in response to the flood event.	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Closed
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a>	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

**MSFW105: Tarleton (Carr Lane Area)**

1 property is known to have suffered from internal flooding at this location on 26th December 2015.

Who	What is needed?	What has been done and/or what will be done?	Status
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a>	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW117: Tarlscough**

3 properties are known to have suffered from internal flooding at this location on 26th December 2015.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	LCC Highways has completed gully cleaning post event.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	LCC Highways has ordered additional cleaning to drainage systems.	Open
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW272: Town Green**

3 properties are known to have suffered from internal flooding at this location during December 2015.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## **MSFW111: Upholland**

1 property is known to have suffered from internal flooding at this location on 26th December 2015.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	West Lancs BC supporting householder with individual property level protection.  LCC Highways awaiting results of CCTV investigation of drainage systems.	Open

**MSFW263: Westhead (Dicks Lane Area)**

3 properties are known to have suffered from internal flooding at this location on 26th December 2015.

Who	What is needed?	What has been done and/or what will be done?	Status
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

**MSFW153: Westhead (Wigan Road Area)**

9 properties are known to have suffered from internal flooding at this location on 26th December 2015. More detailed investigation has identified that this description includes a number of separate locations - this record will be sub-divided into the different locations for future reports.

Who	What is needed?	What has been done and/or what will be done?	Status
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open



## **MSFW86: Appley Bridge (Appley Lane South)**

6 properties are known to have suffered from internal flooding at this location on 26th December 2015. Preliminary reports indicate that the primary source of the flooding was from the River Douglas which overtopped its banks.

<b>Who</b>	<b>What is needed?</b>	<b>What has been done and/or what will be done?</b>	<b>Status</b>
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

**MSFW28: Wrightington (Courage Low Lane Area)**

1 property is known to have suffered from internal flooding at this location during 26<sup>th</sup> December 2015.

Who	What is needed?	What has been done and/or what will be done?	Status
All RMAs	Following a flood event, any flood risk-related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant Risk Management Authorities and/or riparian landowners	LCC Highways: Gully cleaning completed post event.	Closed
All RMAs	Following a flood event, all Risk Management Authorities should work together to identify common methods for managing flood risk in the affected communities and identify opportunities for any quick wins, detailed investigations or studies that may be required in response to the flood event.	LCC Highways: Repair to gully and hardened grips required at Moss Lane	Open

**MSFW281: Wrightington Bar**

1 property is known to have suffered from internal flooding at this location on 26th December 2015.

Who	What is needed?	What has been done and/or what will be done?	Status
All RMAs	Following a flood event, any flood risk related assets, public infrastructure and/or flood defences which are likely to have been significantly impacted by the flooding, should be inspected and returned to full operation by the relevant risk management authorities and riparian landowner(s).	Following the December 2015 flood event, all relevant risk management authorities carried out a preliminary review of any flood risk related assets, public infrastructure and/or flood defences which were likely to have been significantly impacted by the flooding. No such assets have been identified within this community.	Complete
All RMAs	Following a flood event, all risk management authorities should work together to identify common methods for managing flood risk in the affected communities. They should also work together to identify opportunities for quick wins; site specific investigations; studies and/or major investment projects which may be required in response to the flood event. Where there is scope for future works, this should be commenced at the earliest opportunity.	Since the December 2015 flood event, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that this has had on the community. The Lead Local Flood Authority encourages any concerned residents to consider installing property level flood resilience measures in order to further reduce the risk of flood water entering their property in the future. Further advice regarding this can be found via the following link: <a href="http://www.lancashire.gov.uk/flooding">www.lancashire.gov.uk/flooding</a> .	Closed
LCC as LLFA	Further investigation required.	Since November 2016, all relevant risk management authorities have met to discuss the primary flood mechanisms and the impacts that the flooding has had on this community. However, it has been concluded that further discussions will be required in order to identify whether any follow-up action is required at this location. Further discussions are expected to take place at the next partnership meeting, which has been scheduled for 14 March. Following these discussions, relevant risk management authorities will then be better placed to determine whether any follow-up action is required at this location. The Lead Local Flood Authority anticipates that further updates regarding this will be made available within the next update which is due to be published in June 2017.	Open

## Useful links

**Lancashire and Blackpool Flood Risk Management strategy:**

<http://www.lancashire.gov.uk/council/strategies-policies-plans/environmental/lancashire-and-blackpool-flood-risk-management-strategy.aspx>

**Lancashire County Council Flood Investigation Policy:**

<http://www.lancashire.gov.uk/media/392349/Flood-Investigation-Policy.pdf>

**Lancashire County Council Ordinary Watercourse Consenting & Enforcement Policy:**

<http://www.lancashire.gov.uk/media/392352/Flood-Risk-Management-Consenting-and-Enforcement-Policy.pdf>